

REFERENCIAS

- Abera Abera-Kanyamuhungu, A. M. A. Hasyim, C. S. Gold, and G. G. Van Driesche. 2006. Field surveys in Indonesia for natural enemies of the banana weevil, *Cosmopolites sordidus* (Germar). *Biological Control* 37: 16-24.
- Ables, J. R. 1979. Methods for the field release of insect parasites and predators. *Transactions American Society Agricultural Engineers USDA* 22: 59-62.
- Abraham, Y. J., D. Moore, and G. Godwin. 1990. Rearing and aspects of biology of *Cephalonomia stephanoderis* and *Prorops nasuta* (Hymenoptera: Bethyridae), parasitoids of the coffee berry borer, *Hypothenemus hampei* (Coleoptera: Scolytidae). *Bulletin of Entomological Research* 80: 121-128.
- Adair, R. J. and J. K. Scott. 1993. Biology and host specificity of *Ageniosa electoralis* (Coleoptera: Chrysomelidae), a prospective biological control agent for *Chrysanthemoides monilifera* (Asteraceae). *Biological Control* 3: 191-198.
- Adair, R. J. and J. K. Scott. 1997. Distribution, life history, and host specificity of *Chrysolina picturata* and *Chrysolina* sp. B (Coleoptera: Chrysomelidae), two biological control agents for *Chrysanthemoides monilifera* (Compositae). *Bulletin of Entomological Research* 87: 331-341.
- Adair, R. J. and R. H. Holtkamp. 1999. Development of a pesticide exclusion technique for assessing the impact of biological control agents for *Chrysanthemoides monilifera*. *Biocontrol Science and Technology* 9: 383-390.
- Adams, B. J., A. Fodor, H. S. Koppenhöfer, E. Stackebrandt, S. P. Stock, and M. G. Klein. 2006. Biodiversity and systematics of nematode-bacterium entomopathogens. *Biological Control* 37: 32-49.
- Adisu, B., P. Starý, B. Freier, and C. Büttner. 2002. *Aphidius colemani* Vier. (Hymenoptera: Braconidae, Aphidiinae) detected in cereal fields in Germany. *Anzeiger für Schädlingskunde* 75: 89-94.
- Adlung, K. 1966. A critical evaluation of the European research on use of red wood ants (*Formica rufa* group) for the protection of forests against harmful insects. *Zeitschrift für Angewandte Entomologie* 57: 167-189.
- Agoua, H., D. Quillevere, C. Back, P. Poudiougou, P. Guillet, D. G. Zerbo, J. E. E. Henderick, A. Seketeli, and S. Sowah. 1991. Evaluation of means of control against black flies in the setting of the OCP programme (Onchocerciasis Control Programme), pp. 49-63. *Annales de la Societe Belge de MedecineTropicale* 71 (supplement 1): 49-63.
- Agrawal, A. A. 1997. Do leaf domatia mediate a plant-mite mutualism? An experimental test of the effects on predators and herbivores. *Ecological Entomology* 22: 371-376.
- Agrawal, A. A., R. Karban and R. G. Colfer. 2000. How leaf domatia and induced plant resistance affect herbivores, natural enemies, and plant performance. *Oikos* 89: 70-80.

- Agustí, N., T. R. Unruh, and S. C. Welter. 2003. Detecting *Cacopsylla pyricola* (Hemiptera: Psyllidae) in predator guts using COI mitochondrial markers. *Bulletin of Entomological Research* 93: 179-185.
- Aizawa, K. 1987. Strain improvement of insect pathogens, pp. 3-11. *In: Maramorosch, K. (ed.). Biotechnology in Invertebrate Pathology and Cell Culture*. Academic Press, San Diego, California, USA.
- Aizawa, K. 1990. Registration requirements and safety considerations for microbial pest control agents in Japan, pp. 31-39. *In: Laird, M. L. A. Lace and E. W. Davidson (eds.). Safety of Microbial Insecticides*. CRC Press, Inc. Boca Raton, Florida, USA.
- Akhurst, R. J. 1990. Safety to nontarget invertebrates of nematodes of economically important pests, pp. 233-240. *In: Laird, M. L. A. Lace and E. W. Davidson (eds.). Safety of Microbial Insecticides*. CRC Press, Inc. Boca Raton, Florida, USA.
- Alam, M. M., F. D. Bennett, and K. P. Carl. 1971. Biological control of *Diatraea saccharalis* (F.) in Barbados by *Apanteles flavipes* Cam. and *Lixophaga diatraeae* T. T. *Entomophaga* 16: 151-158.
- Albert, R., K. R. Dannemann, and S. A. Hassan. 2001. Twenty five years of biological control of the corn stem borer: looking back and forward to successful use of *Trichogramma* parasites in Germany. *Mais* 29(33): 106-109. (in German)
- Aldrich, J. R., J. P. Kochansky and C. B. Abrams. 1984. Attractant for a beneficial insect and its parasitoids: pheromone of the predatory spined soldier bug, *Podisus maculiventris* (Hemiptera: Pentatomidae). *Environmental Entomology* 13: 1031-1036.
- Ali, A. D. and T. E. Reagan. 1985. Vegetation manipulation impact on predator and prey populations in Louisiana sugarcane ecosystems. *Journal of Economic Entomology* 78: 1409-1414.
- AliNiasee, M. T. and B. A. Croft. 1999. Biological control in deciduous fruit crops, pp. 743-759. *In: Bellows, T. S. Jr. and T. W. Fisher (eds.). Handbook of Biological Control*. Academic Press, San Diego, California, USA.
- Allard, G. B., C. A. Chase, J. B. Heale, J. E. Isaac and C. Prior. 1990. Field evaluation of *Metarhizium anisopliae* (Deuteromycotina: Hyphomycetes) as a mycoinsecticide for control of sugarcane froghopper, *Aeneolamia varia saccharina* (Hemiptera: Cercopidae). *Journal of Invertebrate Pathology* 55: 41-46.
- Allee, W. C. 1931. *Animal Aggregations: a Study in General Sociology*. University of Chicago Press, Chicago, Illinois, USA.
- Allee, W. C., A. E. Emerson, O. Park, T. Park, and K. P. Schmidt. 1949. *Principles of Animal Ecology*. W. B. Saunders Co., Philadelphia, Pennsylvania, USA.
- Alleyne, M. and R. N. Wiedenmann. 2001. Encapsulation and hemocyte numbers in three lepidopteran stemborers parasitized by *Cotesia flavipes*-complex endoparasitoids. *Entomologia Experimentalis et Applicata* 100: 279-293.
- Altieri, M. A. and W. H. Whitcomb. 1979. The potential use of weeds in the manipulation of beneficial insects. *Hortscience* 14: 12-18.
- Altieri, M.A. and C. I. Nicholls. 1999. Classical biological control in Latin America. past, present, and future, pp. 975-991. *In: Bellows, T.S. and T.W. Fisher. 1999. Handbook of Biological Control*. Academic Press. San Diego, California. USA.

- Aluja, M., J. Rull, J. Sivinski, A.L. Norrbom, R.A. Wharton, R. Macías O, F. Diaz F., and M. Lopez. 2003. Fruit flies of the genus *Anastrepha* (Diptera: Tephritidae) and associated native parasitoids (Hymenoptera) in the tropical rainforest biosphere reserve of Montes Azules, Chiapas, Mexico. *Environmental Entomology* 32: 1377-1385.
- Alvarez, J. M. and M. A. Hoy. 2002. Evaluation of the ribosomal ITS2 DNA sequences in separating closely related populations of the parasitoid *Ageniaspis* (Hymenoptera: Encyrtidae). *Annals of the Entomological Society of America* 95: 250-256.
- Alyokin, A. and G. Sewell. 2004. Changes in a lady beetle community following the establishment of three alien species. *Biological Invasions* 6: 463-471.
- Anable, M. E., M. P. McClaran, and G. B. Ruyle. 1992. Spread of introduced Lehmann lovegrass *Eragrostis lehmanniana* Nees. in southern Arizona, USA. *Biological Conservation* 61: 181-188.
- Andersen, M. C., M. Ewald, and J. Northcott. 2005. Risk analysis and management decisions for weed biological control agents: Ecological theory and modeling results. *Biological Control* 35: 330-337.
- Anderson, I. 1995. Runaway rabbit virus kills millions. *New Scientist* 152: 4.
- Anderson, I. 1997. Alarm greets contraceptive virus. *New Scientist* 154: 4.
- Anderson, J. L. and R. Whitlatch. 2003. Testimony before the 108th US Congress, Fisheries, Wildlife, and Oceans Subcommittee on "Chesapeake Bay Oyster Introduction Efforts." United States Congressional Record, Washington, DC.
- Anderson, L. W. J. 2005. California's reaction to *Caulerpa taxifolia*: a model for invasive species rapid response. *Biological Invasions* 7: 1003-1016.
- Anderson, R. M. 1979. Parasite pathogenicity and the depression of host equilibria. *Nature* 279: 150-152.
- Anderson, R. M. 1982. Theoretical basis for the use of pathogens as biological control agents. *Parasitology* 84: 3-33.
- Anderson, R. M. and R. M. May. 1978. Regulation and stability of host-parasite population interactions I. Regulatory processes. *Journal of Animal Ecology* 47: 219-247.
- Anderson, R. M. and R. M. May. 1980. Infectious diseases and population cycles of forest insects. *Science* 210: 658-661.
- Anderson, R. M. and R. M. May. 1981. The population dynamics of microparasites and their invertebrate hosts. *Philosophical Transactions of the Royal Society of London, Series B* 291: 451-524.
- Andow, D. A. 1986. Plant diversification and insect population control in agroecosystems, pp. 277-286. In: Pimentel, D. (ed.). *Some Aspects of Integrated Pest Management*. Cornell University Press, Ithaca, New York, USA.
- Andow, D. A. 1988. Management of weeds for insect manipulation in agroecosystems, pp. 265-301. In: Altieri, M. A. and M. Liebman (eds.). *Weed Management in Agroecosystems: Ecological Approaches*. CRC Press, Inc., Boca Raton, Florida, USA.
- Andow, D. A. 1991a. Yield loss to arthropods in vegetationally diverse agroecosystems. *Environmental Entomology* 20: 1228-1235.

- Andow, D. A. 1991b. Control of arthropods using crop diversity, pp. 257-284. *In*: Pimentel, D. P. (ed.). *CRC Handbook of Pest Management in Agriculture (2nd ed)*, Volume 1. CRC Press, Inc., Boca Raton, Florida, USA.
- Andres, L. A. 1976. The economics of biological control of weeds. *Aquatic Biology* 3: 111-113.
- Andres, L. A., C. J. Davis, P. Harris, and A. J. Wapshere. 1976. Biological control of weeds, pp. 481-497. *In*: Huffaker, C.B. and P.S. Messenger (eds.). *Theory and Practice of Biological Control*. Academic Press, New York.
- Andrewartha, H. G. and L. C. Birch. 1954. *The Distribution and Abundance of Animals*. University of Chicago Press, Chicago, Illinois, USA.
- Angalet, G. W., J. M. Tropp, and A. N. Eggert. 1979. *Coccinella septempunctata* L. in the continental United States: recolonization and notes on its ecology. *Environmental Entomology* 8: 896-901.
- Angulo, E. and B. Cooke. 2002. First synthesize new viruses then regulate their release? The case of the wild rabbit. *Molecular Ecology* 11: 2703-2709.
- Ankley, G. T., J. E. Tietge, D. L. DeFoe, K. M. Jensen, G. W. Holcombe, E. J. Durhan, and S. A. Diamond. 1998. Effects of ultraviolet light and methoprene on survival and development of *Rana pipiens*. *Environmental Toxicology and Chemistry* 17: 2530-2542.
- Anon. 1988. The fruit flies: one more victory. *Citrograph* 73(5): 85.
- Anon. 1992. *Expert Consultation on Guidelines for Introduction of Biological Control Agents*. FAO Rome, Italy, 17-19 September, 1991.
- Anon. 1997a. Code of conduct for the import and release of exotic biological control agents. *Biocontrol News and Information* 18 (4): 119N-124N.
- Anon. 1997b. Rabbit virus vectors named. *Science* 278: 229.
- Anon. 2000. NAPPO Regional Standards for Phytosanitary Measures (RSPM) #12. Guidelines for petition for release of exotic entomophagous agents for the biological control of pests. The Secretariat of the North American Plant Protection Organization. Ottaawa, Ontario, Canada
- Anon. 2001. NAPPO Regional Standards for Phytosanitary Measures (RSPM) #7. Guidelines for petition for release of exotic phytophagous agents for the biological control of weeds. The Secretariat of the North American Plant Protection Organization. Ottaawa, Ontario, Canada
- Anon. 2004. Invasive species: how to identify emerald ash borer. *Journal of Forestry* 102: 4-5.
- Antía-Londoño, O. P., F. Posada-florez, A. E. Busillo-Pardey and M. T. González-García. 1992. Produccion en finca del hongo *Beauveria bassiana* para el control de la broca del café. No. 182. Pub. by Cenicafe, Chinchiná, Caldas, Colombia, Octubre, 1992 (in Spanish).
- Antolin, M. F. 1989. Genetic considerations in the study of attack behavior of parasitoids, with reference to *Muscidifurax raptor* (Hymenoptera: Pteromalidae). *Florida Entomologist* 72: 15-32.
- Antolin, M. F., D. S. Guertin, and J. J. Petersen. 1996. The origin of gregarious *Muscidifurax* (Hymenoptera: Pteromalidae) in North America: an analysis using molecular markers. *Biological Control* 6: 766-82.

- Arnett, A. E. and S. M. Louda. 2002. Re-test of *Rhinocyllus conicus* host specificity, and the prediction of ecological risk in biological control. *Biological Conservation* 106: 251-257.
- Arnett, R. H. 1968. *The Beetles of the United States (a Manual for Identification)*. The American Entomological Institute, 5950 Warren Road, Ann Arbor, Michigan, USA.
- Arnett, R. H., Jr. 1985. *American Insects*. Van Nostrand Reinhold Co., New York.
- Aronson, A. I. and Y. Shai. 2001. Why *Bacillus thuringiensis* insecticidal toxins are so effective: unique features of their mode of action. *FEMS Microbiology Letters* 195 (1): 1-8.
- Arredondo, B.H.C. 1998. Historia y desarrollo del control biológico en México, pp. 175-201. En: A. Lizárraga T., U. Barreto C. y J. Kollands (Eds.). Nuevos aportes del control biológico en la agricultura sostenible. Red de Acción en alternativas al uso de agroquímicos (RAAA). Lima, Perú.
- Arthington, A. H. and L. N. Lloyd. 1989. Introduced poeciliids in Australia and New Zealand, pp. 333-348. In: Meffe, G. K. and F. F. Snelson, Jr. (eds.). *Ecology and Evolution of Livebearing Fishes (Poeciliidae)*. Prentice Hall, Englewood Cliffs, New Jersey, USA.
- Arthurs, S. P., L. A. Lacey, and R. Fritts, Jr. 2005. Optimizing use of codling moth granulovirus: effects of application rate and spraying frequency on control of codling moth larvae in Pacific Northwest apple orchards. *Journal of Economic Entomology* 98: 1459-1468.
- Ash, G. J., E. J. Cother, and J. Tarleton. 2004. Variation in lanceleaved waterplantain (*Alisma lanceolatum*) in southeastern Australia. *Weed Science* 52: 413-417.
- Ashfaq, M., L. Braun, D. Hegedus, and M. Erlandson. 2004. Estimating parasitism levels in *Lygus* spp. (Hemiptera: Miridae) field populations using standard and molecular techniques. *Biocontrol Science and Technology* 14: 731-735.
- Ashraf, M., B. Fatima, T. Hussain, and N. Ahmad. 1999. Biological control: an essential component of IPM programme for sugarcane borers. In: Anon. *Symposium on Biological Control in the Tropics*, MARDI Training Centre, Serdang, Selangor, Malaysia, March 18-19, 1999.
- Askew, R. R. 1971. *Parasitic Insects*. American Elsevier Pub. Co., New York.
- Askew, R. R. and M. R. Shaw. 1986. Parasitoid communities: their size, structure, and development, pp. 225-264. In: Waage, J. and D. Greathead (eds.). *Insect Parasitoids*. Academic Press, London.
- Atkinson, I. A. E. 1985. The spread of commensal species of *Rattus* to oceanic islands and their effects on island avifaunas, pp. 35-81. In: Moors, P. J. (ed.). *Conservation of Island Birds: Case Studies for the Management of Threatened Island Species*. Proceedings of a symposium held at the XVIII ICBP World Conference in Cambridge, England, 1982. ICBP Technical Publication No. 3.
- Atkinson, K. 1997. New Zealand grapples with possum virus. *Search* 28: 260.
- Atlegrim, O. 1989. Exclusion of birds from bilberry stands: impact on insect larval density and damage to the bilberry. *Oecologia* 79: 136-139.
- Auer, C. 1968. Erst Ergebnisse einfacher stochastischer modelluntersuchungen uber die ursachen der populationsbewegung des grauen larchenwicklers *Zeiraphera diniana*, Gn. (= *Z. griseana* Hb.) im Oberengadin, 1949/66. *Zeitschrift fur Angewandte Entomologie* 62: 202-235.

- Augustinos, A. A., E. E. Stratikopoulos, A. Zacharopoulou, and K. D. Mathiopoulos. 2002. Polymorphic microsatellite markers in the olive fly, *Bactrocera oleae*. *Molecular Ecology Notes* 2: 278-280.
- Aukema, B. H., D. I. Dahlsten, and K. F. Raffa. 2000. Improved population monitoring of bark beetles and predators by incorporating disparate behavioral responses to semiochemicals. *Environmental Entomology* 29: 618-629.
- Austin, A. D., N. F. Johnson, and M. Downton. 2005. Systematics, evolution, and biology of scelionid and platygastriid wasps. *Annual Review of Entomology* 50: 553-582.
- Avilla, J., R. Albajes, O. Alomar, C. Castaño, and R. Gabarra. 2004. Biological control of whiteflies on vegetable crops, pp. 171-184. In: Heinz, K. M., G. G. Van Driesche, and M. P. Parrilla (eds.). *Biocontrol in Protected Culture*. Ball Publishing, Batavia, Illinois, USA
- Avise, J. C. 2000. *Phylogeography: The History and Formation of Species*, Harvard University Press. Cambridge, Massachusetts, USA.
- Avise, J. C. 2004. *Molecular Markers, Natural History, and Evolution*, Sinauer Associates, Sunderland, Massachusetts, USA.
- Axtell, R. C. 1981. Use of predators and parasites in filth fly IPM programs in poultry housing, pp. 26-43. In: Anon. *Status of Biological Control of Filth Flies*. Proceedings of a Workshop, February 4-5, 1981. University of Florida, Gainesville, Florida. Pub. SEA, United States Department of Agriculture.
- Baars, J-R. and S. Naser. 1999. Past and present initiatives on the biological control of *Lantana camara* (Verbenaceae) in South Africa, pp. 21-33. In: Olckers, T., and M. P. Hill (eds.). *Biological Control of Weeds in South Africa (1990-1998)*. African Entomology Memoir No. 1. Entomological Society of Southern Africa, Hatfield, South Africa.
- Babcock, C. S. and J. M. Heraty. 2000. Molecular markers distinguishing *Encarsia formosa* and *Encarsia luteola* (Hymenoptera: Aphelinidae). *Annals of the Entomological Society of America* 93: 738-744.
- Babendreier, D., F. Bigler, and U. Kuhlmann. 2005. Methods used to assess non-target effects of invertebrate biological control agents of arthropod pests. *BioControl* 50: 821-870.
- Bach, C. E. 1991. Direct and indirect interactions between ants (*Pheidole megacephala*), scales (*Coccus viridis*) and plants (*Pluchea indica*). *Oecologia* 87: 233-239.
- Baggen, L. R. and G. M. Gurr. 1998. The influence of food on *Copidosoma koehleri* (Hymenoptera: Encyrtidae), and the use of flowering plants as a habitat management tool to enhance biological control of potato moth, *Phthorimaea operculella* (Lepidoptera: Gelechiidae). *Biological Control* 11: 9-17.
- Baggen, L. R., G. M. Gurr, and A. Meats. 2000. Field observations on selective food plants in habitat manipulation for biological control of potato moth by *Copidosoma koehleri* Blanchard (Hymenoptera: Encyrtidae). In: Anon. *Hymenoptera: Evolution, Biodiversity, and Biological Control*. CSIRO Publishing, Collingwood, Victoria, Australia.
- Bai, B. and M. Mackauer. 1991. Recognition of heterospecific parasitism: competition between aphidiid (*Aphidius ervi*) and aphelinid (*Aphelinus asychis*) parasitoids of aphids (Hymenoptera: Aphidiidae, Aphelinidae). *Journal of Insect Behavior* 4: 333-345.

- Bais, H. P., R. Vepachedu, S. Gilroy, R. M. Callaway, and J. M. Vivanco. 2003. Allelopathy and exotic plant invasion: from molecules and genes to species interactions. *Science* 301: 1377-1380.
- Baker, D. A., H. D. Loxdale, and O. R. Edwards. 2003. Genetic variation and founder effects in the parasitoid wasp, *Diaeretiella rapae* (M'intosh) (Hymenoptera: Braconidae: Aphidiidae), affecting its potential as a biological control agent. *Molecular Ecology* 12: 3303-3311.
- Baker, G. 2000. Release of fly spells disaster for snails. *Farming Ahead* 105: 49. Baker, P. S. 1992. Opportunities for biocontrol of insects and mites in Latin America, pp. 47-53. In: Coulson J.R. and M.C. Zapater (eds.). *Opportunities for implementation of BioControl in Latin America*. IOBC. Buenos Aires, Argentina.
- Baker R. H. A. 2002. Predicting the limits to the potential distribution of alien crop pests, pp. 207-241. In: Hallman, G. J. and C. P. Schwalbe (eds.). *Invasive Arthropods in Agriculture. Problems and Solutions*. Science Publishers, Inc., Enfield, New Hampshire, USA,
- Baker, R., R. Cannon, P. Bartlett, and I. Barker. 2005. Novel strategies for assessing and managing the risks posed by invasive alien species to global crop production and biodiversity. *Annals of Applied Biology* 146: 177-191.
- Balch, R. E. and F. T. Bird, 1944. A disease of the European spruce sawfly, *Gilpinia hercyniae* (Htg.) and its place in natural control. *Science in Agriculture* 25: 65-80.
- Balciunas, J. K. and L. Smith. 2006. Prerelease efficacy assessment, in quarantine, of a tephritid gall fly considered as a biological control agent for Cape-ivy (*Delairea odorata*). *Biological Control* 39: 516-524.
- Balciunas, J. K. and D. W. Burrows. 1993. The rapid suppression of the growth of *Melaleuca quinquenervia* saplings in Australia by insects. *Journal of Aquatic Plant Management* 31: 265-270.
- Balciunas, J. K., D.W. Burrows, and M. F. Purcell. 1994a. Insects to control melaleuca. I: Status of research in Australia. *Aquatics* 16: 10-13.
- Balciunas, J. K., D.W. Burrows, and M.F. Purcell. 1994b. Field and laboratory host ranges of the Australian weevil, *Oxyops vitiosa* (Coleoptera: Curculionidae), a potential biological control agent for the paperbark tree, *Melaleuca quinquenervia*. *Biological Control* 4: 351-360.
- Balciunas, J. K., D. W. Burrows, and M. F. Purcell. 1996. Comparison of the physiological and realized host-ranges of a biological control agent from Australia for the control of the aquatic weed *Hydrilla verticillata*. *Biological Control* 7: 148-158
- Bale, J. S., and K. F. A. Walters. 2001. Overwintering biology as a guide to the establishment potential of non-native arthropods in the U.K., pp. 343-354. In: Atkinson, D. and M. Thorn-dyke (eds). *Animal Developmental Ecology*. BIOS Science Publishers Ltd., Oxford, United Kingdom.
- Baliraine, F. N., M. Bonizzoni, C. R. Guglielmino, E. O. Osir, S. A. Lux, F. J. Mulaa, L. M. Gomulski, L. Zheng, S. Quilici, G. Gasperi, and A. R. Malacrida. 2004. Population genetics of the potentially invasive African fruit fly species, *Ceratitis rosa* and *Ceratitis fasciventris* (Diptera: Tephritidae). *Molecular Ecology* 13: 683-695.
- Balirwa, J. S., C. A. Chapman, L. J. Chapman, I. G. Cowx, K. Geheb, L. Kaufman, R. H. Lowe-McConnell, O. Seehausen, J. H. Wanink, R. L. Welcomme, and F. Witte. 2003. Biodiversity

- and fishery sustainability in the Lake Victoria basin: an unexpected marriage? *BioScience* 53: 703-715.
- Balkhoven, J., and K. van Zuidam. 2002. Biological control of henpep aphid is possible, but expensive. *Fruittelt (Den Haag)* 92 (12): 10-11. (in Dutch)
- Baltensweiler, W. and A. Fischlin. 1988. The larch budmoth in the Alps, pp 331-351. In: Berryman, A. A. (ed.). *Dynamics of Forest Insect Populations: Patterns, Causes, Implications*. Plenum Press, New York and London.
- Bangsund, D. A., F. L. Leistriz, and J. A. Leitch. 1999. Assessing economic impacts of biological control of weeds: the case of leafy spurge in the northern Great Plains of the United States. *Journal of Environmental Management* 56: 35-43.
- Banks, C. J. and E. D. M. Macaulay. 1967. Effects of *Aphis fabae* Scop. and its attendant ants and insect predators on yields of field beans (*Vicia faba* L.). *Annals of Applied Biology* 60: 445-453.
- Barber, M. R. and R. A. Fayrer-Hosken. 2000. Possible mechanisms of mammalian immunoreception. *Journal of Reproductive Immunology* 46: 103-124.
- Barbosa, P., 1998. *Conservation Biological Control*. Academic Press, San Diego, California, USA.
- Barker, S. C. G. R. Singleton, and D. M. Spratt. 1991. Can the nematode *Capillaria hepatica* regulate abundance in wild house mice? Results of enclosure experiments in southeastern Australia. *Parasitology* 103: 439-449.
- Barlow, N. D. 1994. Predicting the effect of a novel vertebrate biocontrol agent: a model for viral-vectored immunoreception of New Zealand possums. *Journal of Applied Ecology* 31: 454-62.
- Barlow, N. D. 1997. Modeling immunoreception in disseminating systems. *Reproduction, Fertility and Development* 9: 51-60.
- Barlow, N. D. 2000. The ecological challenge of immunoreception: editor's introduction. *Journal of Applied Ecology* 37: 897-902.
- Barlow, N. D., H. Moller, and J. R. Beggs. 1996. A model for the effect of *Sphexophaga vesparum vesparum* as a biological control agent of the common wasp in New Zealand. *Journal of Applied Ecology* 33: 31-44.
- Barlow, N. D., M. C. Barron, and J. Parkes. 2002. Rabbit haemorrhagic disease in New Zealand: field test of a disease-host model. *Wildlife Research* 29: 649-653.
- Barlow, N. D., J. M. Kean, and S. L. Goldson. 2003. Biological control lessons: modeling successes and failures in New Zealand, pp. 105-107. In: Van Driesche (ed.). *1st International Symposium on Biological Control of Arthropods*, January 14-18, 2002. Honolulu, Hawaii, USA. FHTET-03-05. USDA Forest Service, Morgantown, West Virginia, USA.
- Barnes, H. F. 1929. Gall midges as enemies of aphids. *Bulletin of Entomological Research* 20: 433-442.
- Barron, M. c., N. D. Barlow, and S. D. Wratten. 2003. Non-target parasitism of the endemic New Zealand red admiral butterfly (*Bassaris gonerilla*) by the introduced biological control agent *Pteromalus puparum*. *Biological Control* 27: 329-335.

- Barratt, B. I. P. 2004. *Microctonus* parasitoids and New Zealand weevils: comparing laboratory estimates of host ranges to realized host ranges, pp. 103-120. *In: Van Driesche, R. G. and R. Reardon (eds.). Assessing Host Ranges for Parasitoids and Predators Used for Classical Biological Control: A Guide to Best Practice.* FHTET-2004-03. U. S. Department of Agriculture, Forest Service, Morgantown, West Virginia, USA.
- Barratt, B. I. P., A. A. Evans, C. M. Ferguson, G. M. Barker, M. R. McNeill, and C. B. Phillips. 1997. Laboratory nontarget host range of the introduced parasitoids *Microctonus aethiopoidea* and *M. hyperodae* (Hymenoptera: Braconidae) compared with field parasitism in New Zealand. *Environmental Entomology* 26: 694-702.
- Barratt, B. I. P., B. Blossy, and H. M. T. Hokkanen. 2006. Post-release evaluation of non-target effects of biological control agents, pp. 166-186. *In: Bigler, F., D. Babendreier and U. Kuhlmann (eds.). Environmental Impact of Invertebrates for Biological Control of Arthropods.* Cabi Publishing, Wallingford, United Kingdom.
- Bartlett, B. R. 1963. The contact toxicity of some pesticide residues to hymenopterous parasites and coccinellid predators. *Journal of Economic Entomology* 56: 694-698.
- Bartlett, B. R. 1964a. Patterns in the host-feeding habit of adult parasitic Hymenoptera. *Annals of the Entomological Society of America* 57: 344-350.
- Bartlett, B. R. 1964b. The toxicity of some pesticide residues to adult *Amblyseius hibisci*, with a compilation of the effects of pesticides upon phytoseiid mites. *Journal of Economic Entomology* 57: 559-563.
- Bartlett, B. R. 1966. Toxicity and acceptance of some pesticides fed to parasitic Hymenoptera and predatory coccinellids. *Journal of Economic Entomology* 59: 1142-1149.
- Bartlett, B. R. 1978. Margarodidae, pp. 132-136. *In: Clausen, C. P. (ed.). Introduced Parasites and Predators of Arthropod Pests and Weeds: A World Review.* USDA Agriculture Handbook No. 480. Washington, D. C.
- Bartlett, B. R. and R. van den Bosch. 1964. Foreign exploration for beneficial organisms, pp. 283-304. *In: DeBach, P. and E. I. Schlinger (eds.). Biological Control of Insect Pests and Weeds.* E.I. Reinhold Publishing Corporation, New York.
- Bartlett, M. C. and S. T. Jaronski, 1988. Mass production of entomogenous fungi for biological control of insects, pp. 61-85. *In: Burge, M. N. (ed.). Fungi in Biological Control Systems.* Manchester Press, Manchester, United Kingdom.
- Bartoli, P. and C. F. Boudouresque. 1997. Transmission failure of parasites (Digenea) in sites colonized by the recently introduced invasive alga *Caulerpa taxifolia*. *Marine Ecology, Progress Series* 154: 253-260.
- Barton Browne, L. and T. M. Withers. 2002. Time-dependent changes in the host-acceptance threshold of insects: implications for host specificity testing of candidate biological control agents. *Biocontrol Science and Technology* 12: 677-693.
- Baruch, Z., R. R. Pattison, and G. Goldstein. 2000. Responses to light and water availability of four invasive Melastomataceae in the Hawaiian islands. *International Journal of Plant Sciences* 161: 107-118.
- Bateman, R. P. 1992. Controlled droplet application of mycoinsecticides: an environmentally friendly way to control locusts. *Antenna* 16 (1): 6-13.

- Bateman, R. 2004. Constraints and enabling technologies for mycopesticide development. *Outlooks on Pest Management* 15: 64-69.
- Bateman, R. and A. Chapple. 2001. The spray application of mycopesticide formulations, pp. 289-309. *In: Butt, T. M. , C. Jackson, and N. Magan (eds.). Fungi as Biocontrol Agents: Progress, Problems, and Potential.* CABI Bioscience, Silwood Park, Ascot, Berkshire, United Kingdom.
- Bateman, R. P., M. Carey, D. Moore, and C. Prior. 1993. The enhanced infectivity of *Metarhizium flavoviride* in oil formulations to desert locusts at low humidities. *Annals of Applied Biology* 122: 145-152.
- Bathon, H. 2003. Invasive natural enemy species, a problem for biological plant protection. *DgaaE Nachrichten* 17 (1): 8.
- Batra, S. W. T., D. Schroeder, P. E. Boldt, and W. Mendl. 1986. Insects associated with purple loosestrife (*Lythrum salicaria* L.) in Europe. *Proceedings of the Entomological Society of Washington* 88: 748-759.
- Baumann, L. and P. Baumann. 1989. Expression in *Bacillus subtilis* of the 51- and 42-kilodalton mosquitocidal toxin genes of *Bacillus sphaericus*. *Applied Environmental Microbiology* 55: 252-253.
- Baumann, L., A. H. Broadwell, and P. Baumann. 1988. Sequence analysis of the mosquitocidal toxin genes encoding 51.4- and 41.9-kilodalton proteins from *Bacillus sphaericus* 2362 and 2297. *Journal of Bacteriology* 170: 2045-2050.
- Baumann, P., L. Baumann, R. D. Bowditch, and A. H. Broadwell. 1987. Cloning of the gene for the larvicidal toxin of *Bacillus sphaericus* 2362: Evidence for a family of related sequences. *Journal of Bacteriology* 169: 4061-4067.
- Baumann, P., M. A. Clark, L. Baumann, and A. H. Broadwell. 1991. *Bacillus sphaericus* as a mosquito pathogen: properties of the organism and its toxins. *Microbiology Reviews* 55: 425-436.
- Bax, N. 1999. Eradicating a dreissenid from Australia. *Dreissenia* 10: 1-5.
- Bay, E. C., C. O. Berg, H. C. Chapman, and E. F. Legner. 1976. Biological control of medical and veterinary pests, pp. 457-479. *In: Huffaker, C. B. and P. S. Messenger (eds.). Theory and Practice of Biological Control.* Academic Press, New York.
- Beard, R. L. 1940. Parasite castration of *Anasa tristis* DeG. By *Trichopoda pennipes* Fab., and its effect on reproduction. *Journal of Economic Entomology* 33: 269-272.
- Becerra, J. X. 1997. Insects on plants: Macroevolutionary chemical trends in host use. *Science* 276: 253-256.
- Bechinski, E. J. and L. P. Pedigo. 1981. Ecology of predaceous arthropods in Iowa soybean agroecosystems. *Environmental Entomology* 10: 771-778.
- Beckage, N. E. 1985. Endocrine interactions between endoparasitic insects and their hosts. *Annual Review of Entomology* 30: 371-413.
- Beckage, N. E. and D. B. Gelman. 2004. Wasp parasitoid disruption of host development: implications for new biologically based strategies for insect control. *Annual Review of Entomology* 49: 299-330.

- Becker, E., S. F. Shamoun, and W. E. Hintz. 2005. Efficacy and environmental fate of *Chondrostereum purpureum* used as a biological control for red alder (*Alnus rubra*). *Biological Control* 33: 269-277.
- Beckman, R. 1988. Mice on the farm. *Rural Research* 138: 23-27.
- Bedding, R. A. 1984. Nematode parasites of Hymenoptera, pp. 755-795. In: Nickle, W. R. (ed.). *Plant and Insect Nematodes*. Marcel Dekker, Inc. New York.
- Bedding, R. A. 1993. Biological control of *Sirex noctilio* using the nematode *Deladenus siricidola*, pp. 11-20. In: Bedding, R., R. Akhurst, and H. Kaya (eds.). *Nematodes and the Biological Control of Insect Pests*. CSIRO Publications, Melbourne, Australia.
- Beddington, J. R. 1975. Mutual interference between parasites or predators and its effect on searching efficiency. *Journal of Animal Ecology* 44: 331-340.
- Beddington, J. R., C. A. Free, and J. H. Lawton. 1978. Characteristics of successful natural enemies in models of biological control of insects. *Nature* 273: 513-519.
- Bedford, G. O. 1986. Biological control of the rhinoceros beetle (*Oryctes rhinoceros*) in the South Pacific by baculovirus. *Agriculture, Ecosystems and the Environment* 15: 141-147.
- Beebee, T. J. C. and G. Rowe. 2004. *An Introduction to Molecular Ecology*, Oxford University Press. Oxford, United Kingdom.
- Beegle, C. C. and T. Yamamoto. 1992. Invitation paper (C. P. Alexander Fund): history of *Bacillus thuringiensis* Berliner research and development. *The Canadian Entomologist* 124: 587-616.
- Beirne, B. P. 1975. Biological control attempts by introductions against pest insects in the field in Canada. *The Canadian Entomologist* 107: 225-236.
- Beirne, B. P. 1984. Biological control of the European fruit lecanium, *Lecanium tiliae* (Homoptera: Coccidae), in British Columbia. *Journal of the Entomological Society of British Columbia* 81: 28.
- Beirne, B. P. 1985. Avoidable obstacles to colonization in classical biological control of insects. *Canadian Journal of Zoology* 63: 743-747.
- Bell, H. A., A. E. Kirkbride-Smith, G. C. Marris, and J. P. Edwards. 2004. Teratocytes of the solitary endoparasitoid *Meteorus gyrator* (Hymenoptera: Braconidae): morphology, numbers and possible functions. *Physiological Entomology* 29: 335-343.
- Bell, M. R. 1991. *In vivo* production of a nuclear polyhedrosis virus utilizing tobacco budworm and a multicellular larval rearing container. *Journal of Entomological Science* 26: 69-75.
- Bell, W. J. 1990. Searching behavior patterns in insects. *Annual Review of Entomology* 35: 447-467.
- Bellotti, A. C., N. Mesa, M. Serrano, J. M. Guerrero, and C. J. Herrera. 1987. Taxonomic inventory and survey activity for natural enemies of cassava green mites in the Americas. *Insect Science and its Application* 8: 845-849.
- Bellows, T. S., Jr. 1993. Introduction of natural enemies for suppression of arthropod pests, pp. 82-89. In: Lumsden, R. and J. Vaughn (eds.). *Pest Management: Biologically Based Technologies*. American Chemical Society. Washington, D.C., USA.
- Bellows, T. S., Jr. and M. H. Birley. 1981. Estimating developmental and mortality rates and stage recruitment from insect stage frequency data. *Researches on Population Ecology* 23: 232-244.

- Bellows, T. S., Jr. and E. F. Legner. 1993. Foreign exploration, pp. 25-41. *In*: Van Driesche, R. G. and T. S. Bellows, Jr. (eds.). *Steps in Classical Arthropod Biological Control*. Thomas Say Publications in Entomology, Entomological Society of America, Lanham, Maryland, USA.
- Bellows, T. S., Jr. and J. G. Morse 1993. Toxicity of pesticides used in citrus to *Aphytis melinus* DeBach (Hymenoptera: Aphelinidae) and *Rhizobius lophanthae* (Blaid.) (Coleoptera: Coccinellidae). *The Canadian Entomologist* 125: 987-994.
- Bellows, T. S., Jr. and R. G. Van Driesche. 1999. Life table construction and analysis for evaluating biological control agents, pp. 199-223. *In*: Bellows, T. S., Jr. and T. W. Fisher (eds.). *Handbook of Biological Control*. Academic Press, San Diego, California, USA.
- Bellows, T. S., Jr., M. Ortiz, J. C. Owens, and E. W. Huddleston. 1982. A model for analyzing insect stage-frequency data when mortality varies with time. *Researches on Population Ecology* 24: 142-156.
- Bellows, T.S., Jr., J. G. Morse, D. G. Hadjidemetriou, and Y. Iwata. 1985. Residual toxicity of four insecticides used for control of citrus thrips (Thysanoptera: Thripidae) on three beneficial species in a citrus agroecosystem. *Journal of Economic Entomology* 78: 681-686.
- Bellows, T. S., Jr., J. G. Morse, L. K. Gaston, and J. B. Bailey. 1988. The fate of two systemic insecticides and their impact on two phytophagous and a beneficial arthropod in a citrus agroecosystem. *Journal of Economic Entomology* 81: 899-904.
- Bellows, T. S., Jr. R. G. Van Driesche, and J. S. Elkinton. 1989. Extensions to Southwood and Jepson's graphical method of estimating numbers entering a stage for calculating mortality due to parasitism. *Researches on Population Ecology* 31: 169-184.
- Bellows, T. S., T. D. Paine, K. Arakawa, C. Meisenbacher, P. Leddy, and J. Kabashima. 1990. Biological control sought for ash whitefly. *California Agriculture* 44: 1-5.
- Bellows, T. S., Jr. T. D. Paine, J. R. Gould, L. G. Bezark, J.C. Ball, W. Bentley, R. Coviello, J. Downer, P. Elam., D. Flaherty, P. Gouveia, K. Koehler, R. Molinar, N. O'Connell, E. Perry, and G. Vogel. 1992a. Biological control of ash whitefly: a success in progress. *California Agriculture* 46(1): 24, 27-28.
- Bellows, T. S., Jr., R. G. Van Driesche, and J. S. Elkinton. 1992b. Life-table construction and analysis in the evaluation of natural enemies. *Annual Review of Entomology* 37: 587-614.
- Bennett, F. D. 1971. Current status of biological control of the small moth borers of sugarcane, *Diatraea* spp. (Lep.: Pyralidae). *Entomophaga* 16: 111-124.
- Bennett, F. D. and H. Zwolfer. 1968. Exploration for natural enemies of the water hyacinth in northern South America and Trinidad. *Hyacinth Control Journal* 7: 44-52.
- Bennett, F. D., P. Cochereau, D. Rosen, and B. J. Wood. 1976. Biological control of pests of tropical fruits and nuts, pp. 359-395. *In*: Huffaker, C. B. and P. S. Messenger (eds.). *Theory and Practice of Biological Control*. Academic Press, New York.
- Bennison, J. A. 1992. Biological control of aphids on cucumbers, use of open rearing systems or "banker plants" to aid establishment of *Aphidius matricariae* and *Aphidoletes aphidimyza*. *Mededelingen van de Faculteit Landouwwetenschappen, Universiteit Gent* 57: 457-466.
- Benson, J., R. G. Van Driesche, A. Pasquale, and J. Elkinton. 2003. Introduced braconid parasitoids and range reduction of a native butterfly in New England. *Biological Control* 28: 197-213.

- Benz, G. 1974. Negative Ruckkoppelung durch Raum- und Nahrungskonkurrenz sowie zyklische Veränderung der Nahrungsgrundlage als Regelprinzip in der Populationsdynamik des Grauen Larchenwicklers, *Zeiraphera diniana* (Guenée) (Lep. Tortricidae). *Zeitschrift für Angewandte Entomologie* 76:196-228.
- Benz, G. 1987. Environment, pp. 177-214. In: Fuxa, J. R. and Y. Tanada (eds.). *Epizootiology of Insect Diseases*. John Wiley and Sons, New York.
- Ben-Ze'ev, I., R. G. Kenneth, and S. Bitton. 1981. The Entomophthorales of Israel and their arthropod hosts. *Phytoparasitica* 9: 43-50.
- Berdegue, M., J. T. Trumble, J. D. Hare, and R. A. Redak. 1996. Is it enemy-free space? The evidence for terrestrial insects and freshwater arthropods. *Ecological Entomology* 21: 203-217.
- Berg, G. N., P. Williams, R. A. Bedding, and R. J. Akhurst. 1987. A commercial method of application of entomopathogenic nematodes to pasture for controlling subterranean insect pests. *Plant Protection Quarterly* 2 (4): 174-177.
- Berliner, E. 1915. Ueber die schlaffsucht der *Ephestia kubniella* und *Bac. thuringiensis* n. sp. *Zeitschrift für Angewandte Entomologie* 2: 21-56.
- Bernal, J. S., R. F. Luck, and J. G. Morse. 1999. Augmentative release trials with *Metaphycus* spp. (Hymenoptera: Encyrtidae) against citricola scale (Homoptera: Coccidae) in California's San Joaquin Valley. *Journal of Economic Entomology* 92: 1099-1107.
- Bernays, E. A. and R. F. Chapman. 1994. *Host-plant Selection by Phytophagous Insects*. Chapman and Hall, New York.
- Berry, R. E., J. Liu, and E. Groth. 1997. Efficacy and persistence of *Heterorhabditis marelatus* (Rhabditida: Heterorhabditidae) against root weevils (Coleoptera: Curculionidae) in strawberry. *Environmental Entomology* 26: 465-470.
- Bertschinger, H., P. Cowan, D. Kay, I. Liu, and J. Parkes. 2000. Mammal biocontrol: the hunt continues. *Biocontrol News and Information* 21: 89N-93N.
- Betz, F. S. 1986. Registration of baculoviruses as pesticides, pp. 203-222. In: Granados, R. R. and B. A. Federici (eds.). *The Biology of Baculoviruses: Volume II. Practical Application for Insect Control*. CRC Press, Inc. Boca Raton, Florida, USA.
- Betz, F. S., S. F. Forsyth, and W. E. Stewart. 1990. Registration requirements and safety considerations for microbial pest control agents in North America, pp. 3-10. In: Laird, M., L. A. Lacey, and E. W. Davidson (eds.). *Safety of Microbial Insecticides*. CRC Press, Inc., Boca Raton, Florida, USA.
- Bewick, T. A., L. K. Binning, W. R. Stevenson, and J. Stewart. 1987. A mycoherbicide for control of swamp dodder (*Cuscuta gronovii* Willd.) Cuscutaceae, pp. 93-104. In: Anon. *Proceedings of the 4th International Symposium on Parasitic Flowering Plants*. Marburg, Germany.
- Bhumiratana, A. 1990. Local production of *Bacillus sphaericus*, pp. 272-283. In: de Barjac, H. and D. J. Sutherland (eds.). *Bacterial Control of Mosquitoes and Black Flies: Biochemistry, Genetics, and Application of Bacillus thuringiensis israelensis and Bacillus sphaericus*. Rutgers University Press, New Brunswick, New Jersey, USA.
- Bickel, D. J. and M. C. Hernandez. 2004. Neotropical *Thrypticus* (Diptera: Dolichopodidae) reared from water hyacinth, *Eichhornia crassipes*, and other Pontederiaceae. *Annals of the Entomological Society of America* 97: 437-449.

- Bigler, F. 1994. Quality control in *Trichogramma* production, pp. 93-144. *In*: Wajnberg, E. and S. A. Hassan (eds.). *Biological Control with Egg Parasitoids*. Commonwealth Agricultural Bureaux, Wallingford, United Kingdom.
- Bigler, F. 1997. Use and registration of macroorganisms for biological control crop protection. *Bulletin OEPP* 27 (1): 95-102.
- Bigler, F. and E. Kölliker-Ott. 2006. Balancing environmental risks and benefits: a basic approach, pp. 273-286. *In*: Bigler, F., D. Babendreir and U. Kuhlmann (eds.). *Environmental Impact of Invertebrates for Biological Control of Arthropods*. Cabi Publishing, Wallingford, United Kingdom.
- Bigler, F., J. S. Bale, M. J. W. Cock, H. Dreyer, R. Greatrex, U. Kuhlmann, A. J. M. Loomans, and J. C. van Lenteren. 2005. Guidelines on information requirements for import and release of invertebrate biological control agents in European countries. *Biocontrol News and Information* 26 (4): 115N-123N.
- Bigler, F., D. Babendreir and U. Kuhlmann (eds.). 2006. *Environmental Impact of Invertebrates for Biological Control of Arthropods*. Cabi Publishing, Wallingford, United Kingdom.
- Biron, D.G., B. S. Landry, J. P. Nénon, D. Coderre, and G. Boivin. 2000. Geographic origin of an introduced pest species, *Delia radicum* (Diptera: Anthomyiidae), determined by RAPD analysis and egg micromorphology. *Bulletin of Entomological Research* 90: 23-32.
- Bishop, L. and S. E. Riechert. 1990. Spider colonization of agroecosystems: mode and source. *Environmental Entomology* 19: 1738-1745.
- Björkman, C., R. Bommarco, K. Eklund, and S. Höglund. 2004. Harvesting disrupts biological control of herbivores in a short-rotation coppice system. *Ecological Applications* 14: 1624-1633.
- Bjørnson, S. and C. Schütte. 2003. Pathogens of mass-produced natural enemies and pollinators, pp. 133-165. *In*: van Lenteren, J. C. 2003. *Quality Control and Production of Biological Control Agents: Theory and Testing Procedures*. CABI Publishing, Wallingford, United Kingdom.
- Blissard, G. W. and G. F. Rohrmann. 1990. Baculovirus diversity and molecular biology. *Annual Review of Entomology* 35: 127-155.
- Bloomer, J. P. and M. N. Bester. 1992. Control of feral cats on sub-Antarctic Marion Island, Indian Ocean. *Biological Conservation* 60: 211-219.
- Blossey, B. 2002. Purple loosestrife, pp. 149-157. *In* Van Driesche, R. G., B. Blossey, M. Hoddle, S. Lyon, and R. Reardon (eds.). *Biological Control of Invasive Plants in the Eastern United States*. USDA Forest Service, FHTET-2002004, Morgantown, West Virginia, USA.
- Blossey, B. and R. Notzold. 1995. Evolution of increased competitive ability in invasive nonindigenous plants: a hypothesis. *Journal of Ecology* 83: 887-889.
- Blossey, B. and M. Schat. 1997. Performance of *Galerucella californiensis* (Coleoptera: Chrysomelidae) on different North American populations of purple loosestrife. *Environmental Entomology* 26: 439-445.
- Blossey, B. and J. Kamil. 1996. What determines the increased competitive ability of invasive nonindigenous plants? pp. 3-9. *In*: Moran, V. C. and J. H. Hoffmann (eds.). *Proceedings of the 9th International Symposium on Biological Control of Weeds*. Stellenbosch, South Africa, 19-26, January 1996. University of Cape Town, Rondebosch, South Africa.

- Blossey, B., R. A. Malecki, D. Schroeder, and L. Skinner. 1996. A biological control programme using insects against purple loosestrife, *Lythrum salicaria*, in North America, pp. 351-355. In: Moran, V. C. and J. H. Hoffmann (eds.). *Proceedings of the IX International Symposium on Biological Control of Weeds, 19-26 January, 1996, Stellenbosch, South Africa*. University of Cape Town, Cape Town, South Africa.
- Blossey, B., R. Casagrande, L. Tewksbury, D. A. Landis, R. N. Wiedenmann, and D. R. Ellis. 2001a. Nontarget feeding of leaf-beetles introduced to control purple loosestrife (*Lythrum salicaria* L.). *Natural Areas Journal* 21: 368-377.
- Blossey, B., L. C. Skinner, and J. Taylor. 2001b. Impact and management of purple loosestrife (*Lythrum salicaria*) in North America. *Biodiversity and Conservation* 10: 1787-1807.
- Blumberg, D. 1997. Parasitoid encapsulation as a defense mechanism in the Coccoidea (Homoptera) and its importance in biological control. *Biological Control* 8: 225-236.
- Blumberg, D. and R. F. Luck. 1990. Differences in the rates of superparasitism between two strains of *Comperiella bifasciata* (Howard) (Hymenoptera: Encyrtidae) parasitizing California red scale (Homoptera: Diaprididae): an adaptation to circumvent encapsulation? *Annals of the Entomological Society of America* 83: 591-597.
- Blümel, S. and R. Womastek. 1997. Authorization requirements for organisms as plant protection products in Austria. *Bulletin OEPP* 27 (1): 127-131.
- Blumenthal, D. 2005. Interrelated causes of plant invasion. *Science* 310: 243-244.
- Boatin, B. A. and F. O. Richards, Jr. 2006. Control of human parasitic diseases. *Advances in Parasitology* 61: 349-394.
- Boettner, G. H., J. S. Elkinton, and C. Boettner. 2000. Effects of a biological control introduction on three nontarget native species of saturniid moths. *Conservation Biology* 14: 1798-1806.
- Boga, J. A., J. M. M. Alonso, R. Casais, and F. Parra. 1997. A single dose immunization with rabbit haemorrhagic disease virus major capsid protein produced in *Saccharomyces cerevisiae* induces protection. *Journal of General Virology* 78: 2315-2318.
- Bohonak, A. J., N. Davies, F. X. Villablanca, and G. K. Roderick. 2001. Invasion genetics of New World medflies: Testing alternative colonization scenarios. *Biological Invasions* 3: 103-111.
- Boisvert, M. and J. Boisvert. 2000. Effects of *Bacillus thuringiensis* var. *israelensis* on target and nontarget organisms: a review of laboratory and field experiments. *Biocontrol Science and Technology* 10: 517-561.
- Bokonon-Ganta, A. H. and P. Neuenschwander. 1995. Impact of the biological control agent *Gyransoidea tebygi* Noyes (Hymenoptera: Encyrtidae) on the mango mealybug, *Rastrococcus invadens* Williams (Homoptera: Pseudococcidae), in Benin. *Biocontrol Science and Technology* 5: 95-107.
- Bokonon-Ganta, A. H., H. de Groote, and P. Neuenschwander. 2002. Socio-economic impact of biological control of mango mealybug in Benin. *Agriculture, Ecosystems and Environment* 93: 367-378.
- Boldt, P. E. and J. J. Drea. 1980. Packaging and shipping beneficial insects for biological control. *FAO Plant Protection Bulletin* 28 (2): 64-71.
- Boller, E. 1972. Behavioral aspects of mass-rearing of insects. *Entomophaga* 17: 9-25.

- Boller, E. F., E. Janser, and C. Potter. 1984. Testing of the side-effects of herbicides used in viticulture on the common spider mite *Tetranychus urticae* and the predaceous mite *Typhlodromus pyri* under laboratory and semi-field conditions. *Zeitschrift für Pflanzenkrankheiten und Pflanzenschutz* 91: 561-568.
- Bomford, M. and Q. Hart. 2004. Non-indigenous vertebrates in Australia, pp. 25-44. *In*: Pimentel, D. (ed.). *Biological Invasions: Economic and Environmental Costs of Alien Plant, Animal, and Microbe Species*. CRC Press, Boca Raton, Florida, USA.
- Bon, M. C., C. Hurard, J. Gaskin, and A. M. Risterucci. 2005. Polymorphic microsatellite markers in polyploid *Lepidium draba* L. ssp *draba* (Brassicaceae) and cross-species amplification in closely related taxa. *Molecular Ecology Notes* 5: 68-70.
- Bonning, B. c. and B. D. Hammock. 1996. Development of recombinant baculoviruses for insect control. *Annual Review of Entomology* 41: 191-210.
- Borgemeister, C., F. Djossou, C. Adda, H. Schneider, B. Djomamou, P. Degbey, B. Azoma, and R. H. Markham. 1997. Establishment, spread, and impact of *Teretriosa nigrescens* (Coleoptera: Histeridae), an exotic predator of the larger grain borer (Coleoptera: Bostrichidae) in southwestern Benin. *Environmental Entomology* 26: 1405-1415.
- Borghuis, A., J. D. Pinto, G. R. Platner, and R. Stouthamer. 2004. Partial cytochrome oxidase II sequences distinguish the sibling species *Trichogramma minutum* Riley and *Trichogramma platneri* Nagarkatti. *Biological Control* 30: 90-94.
- Bossdorf, O., H. Auge, L. Lafuma, W. E. Rogers, E. Siemann, and D. Prati. 2005. Phenotypic and genetic differentiation between native and introduced plant populations. *Oecologia* 144: 1-11.
- Botelho, P. S. M., J. R. P. Parra, J. F. das Chagas Neto, and C. P. B. Oliveira. 1999. Association of the egg parasitoid *Trichogramma galloi* Zucchi (Hymenoptera: Trichogrammatidae) with the larval parasitoid *Cotesia flavipes* (Cam.) (Hymenoptera: Braconidae) to control the sugarcane borer *Diatraea saccharalis* (Fabr.) (Lepidoptera: Crambidae). *Anais da Sociedade Entomologica do Brasil* 28: 491-496. (in Portuguese).
- Bottrell, D. G. and P. Barbosa. 1998. Manipulating natural enemies by plant variety selection and modification: a realistic strategy? *Annual Review of Entomology* 43: 347-367.
- Boudouresque, C. F. and M. Verlaque. 2002. Biological pollution in the Mediterranean Sea: invasive versus introduced macrophytes. *Marine Pollution Bulletin* 44: 32-38.
- Bourchier, R. S. and S. M. Smith. 1998. Interactions between large-scale inundative releases of *Trichogramma minutum* (Hymenoptera: Trichogrammatidae) and naturally occurring spruce budworm (Lepidoptera: Tortricidae) parasitoids. *Environmental Entomology* 27: 1273-1279.
- Box, G. E. P. and G. M. Jenkins. 1976. *Time Series Analysis: Forecasting and Control*. Holden Day, Oakland, California, USA.
- Boyette, C. D., P. C. Quimby Jr., W. J. Connick Jr., D. J. Daigle, and F. E. Fulgham. 1991. Progress in the production, formulation, and application of mycoherbicides, pp. 209-222. *In*: TeBeest, D. O. (ed.). *Microbial Control of Weeds*. Chapman and Hall, New York.
- Boykin, L. S. and M. V. Campbell. 1982. Rate of population increase of the two-spotted spider mite (Acari: Tetranychidae) on peanut leaves treated with pesticides. *Journal of Economic Entomology* 75: 966-971.

- Bradley, M. P., L. A. Hinds, and P. H. Bird. 1997. A bait delivered immunocontraceptive vaccine for the European fox (*Vulpes vulpes*) by the year 2002? *Reproduction, Fertility and Development* 9: 111-116.
- Brady, B. L. 1981. Fungi as parasites of insects and mites. *Biocontrol News and Information* 2: 281-296.
- Brar, K. S., M. Shenhmar, D. R. C. Bakheta, S. Doomra, D. K. Sharma, M. S. Duhra, and M. L. Singla. 1996. Bioefficacy of *Trichogramma chilonis* Ishii (Hymenoptera: Trichogrammatidae) for the control of *Chilo auricilius* Dudgeon on sugarcane in Punjab. *Plant Protection Bulletin (Faridabad)* 48 (1/4): 9-10.
- Brar, K. S., B. S. Sekhon, J. Singh, M. Shenhmar, and Joginder Singh. 2002. Biocontrol-based management of cotton bollworms in the Punjab. *Journal of Biological Control* 16: 121-124.
- Braun, A. R., J. M. Guerrero, A. C. Bellotti, and L. T. Wilson. 1987a. Relative toxicity of permethrin to *Mononychellus progresivus* Doreste and *Tetranychus urticae* Koch (Acari: Tetranychidae) and their predators *Amblyseius limonicus* Garman and McGregor (Acari: Phytoseiidae) and *Oligota minuta* Cameron (Coleoptera: Staphylinidae): bioassays and field validation. *Environmental Entomology* 16: 545-550.
- Braun, A. R., J. M. Guerrero, A. C. Bellotti, and L. T. Wilson. 1987b. Evaluation of possible non-lethal side effects of permethrin used in predator exclusion experiments to evaluate *Amblyseius limonicus* (Acari: Phytoseiidae) in biological control of cassava mites (Acari: Tetranychidae). *Environmental Entomology* 16: 1012-1018.
- Braun, A. R., A. C. Bellotti, J. M. Guerrero, and L. T. Wilson. 1989. Effect of predator exclusion on cassava infested with tetranychid mites (Acari: Tetranychidae). *Environmental Entomology* 18: 711-714.
- Bravenboer, L. 1960. De chemische en biologische bestrijding van de Spintmijt *Tetranychus urticae* Koch. *Publikatie Proefstn Groenten-en Fruiteelt onder Glas te Naaldwijk* no. 75: 85.
- Bravenboer, L., and G. Dosse. 1962. *Phytoseiulus riegeli* Dosse als predator einiger schadmilben aus der *Tetranychus urticae* gruppe. *Entomologia Experimentalis et Applicata* 5: 291-304.
- Brede, E. G. and T. J. C. Beebe. 2005. Polymerase chain reaction primers for microsatellite loci in the semi-aquatic grasshopper, *Cornops aquaticum*. *Molecular Ecology Notes* 5: 914-916.
- Brent, K. J. 1987. Fungicide resistance in crops – its practical significance and management, pp. 137-151. In: Brent, K. J. and R. K. Atkin (eds.). *Rational Pesticide Use, Proceedings of the 9th Long Ashton Symposium*. Cambridge University Press, Cambridge, United Kingdom.
- Brewer, R. H. 1971. The influence of the parasite *Comperiella bifasciata* How. on populations of two species of armoured scales, *Aonidiella aurantii* (Maskell) and *A. citrina* (Coq.), in South Australia. *Australian Journal of Zoology* 19: 53-63.
- Bribosia, E. D. Bylemans, M. Mignon, and G. Van Impe. 2005. In-field production of parasitoids of *Dysaphis plantaginea* by using the rowan aphid *Dysaphis sorbi* as substitute host. *BioControl* 50: 601-610.
- Briese, D. T. 1989a. Natural enemies of carduine thistles in New South Wales. *Journal of the Australian Entomological Society* 28: 125-126

- Briese, D. T. 1989b. Host-specificity and virus-vector potential of *Aphis chloris* (Hemiptera: Aphididae), a biological control agents for St. John's wort in Australia. *Entomophaga* 34: 247-264.
- Briese, D. T. 1996. Potential impact of the stem-boring weevil *Lixus cardui* on the growth and reproductive capacity of *Onopordum* thistles. *Biocontrol Science and Technology* 6: 251-261.
- Briese, D. T. 1999. Open field host-specificity tests: is "natural" good enough for risk assessment? pp. 44-59. In Withers, T. M., L. Barton Browne and J. Stanley (eds.). *Host Specificity Testing in Australasia: Towards Improved Assays for Biological Control*. Queensland Department of Natural Resources, Coorparoo, DC, Queensland, Australia.
- Briese, D.T. 2003. The centrifugal phylogenetic method used to select plants for host-specificity testing of weed biological control agents: Can and should it be modernized? pp. 23-33 In: Spafford Jacob, H. and D. T. Briese (eds.). *Improving the Selection, Testing, and Evaluation of Weed Biological Control Agents*. CRC for Australian Weed Management, Glen Osmond, Australia.
- Briese, D. T. 2005. Translating host-specificity test results into the real world: the need to harmonize the yin and yang of current test procedures. *Biological Control* 35: 208-214.
- Briese, D. T. 2006a. Can an *a priori* strategy be developed for biological control? The case of *Onopordum* spp. thistles in Australia. *Australian Journal of Entomology* 45: 306-322.
- Briese, D. T. 2006b. Host specificity testing of weed biological control agents: initial attempts to modernize the centrifugal phylogenetic method, pp. 32-39. In: Hoddle, M. S., and M. Johnson (eds.). *The Fifth California Conference on Biological Control, July 25-27, Riverside, California*. University of California, Riverside, California, USA.
- Briese, D. T., and J. M. Cullen. 2001. The use and usefulness of mites in biological control of weeds, pp. 453-463. In Halliday, R. B., D. E. Walter, H. C. Proctor, R. A. Norton, and M. J. Colloff (eds.). *Acarology: Proceedings of the 10th International Congress*. CSIRO, Melbourne, Australia.
- Briese, D. T. and R. J. Milner. 1986. Effect of the microsporidian *Pleistophora schubergi* on *Anaitis efformata* (Lepidoptera: Geometridae) and its elimination from a laboratory colony. *Journal of Invertebrate Pathology* 48: 107-116.
- Briese, D. T. and A. Walker. 2002. A new perspective on the selection of test plants for evaluating the host-specificity of weed biological agents: the case of *Deuterocampta quadrijuga*, a potential insect control agent of *Heliotropium amplexicaule*. *Biological Control* 25: 273-287.
- Briese, D. T., A. W. Sheppard, H. Zwölfer, and P. E. Boldt. 1994. Structure of the phytophagous insect fauna of *Onopordum* thistles in the northern Mediterranean basin. *Biological Journal of the Linnean Society* 53: 231-253.
- Briese, D. T., A. W. Sheppard, and J. M. Reifenberg. 1995. Open-field host-specificity testing for potential biological control agents of *Onopordum* thistles. *Biological Control* 5: 158-166.
- Briese, D. T., W. J. Pettit, and A. D. Walker. 1996. Multiplying cages: a strategy for the rapid redistribution of agents with slow rates of increase, pp. 243-247. In: V. C. Moran and J. H. Hoffmann (eds.). *Proceedings of the IX International Symposium on Biological Control of Weeds*, 19-26 Jan. 1996, Stellenbosch, South Africa. University of Cape Town, South Africa.

- Briese, D. T., T. Thomann, and J. Vitou. 2002a. Impact of the rosette crown weevil *Trichosirocalus briesei* on the growth and reproduction of *Onopordum* thistles. *Journal of Applied Ecology* 39: 688-698.
- Briese, D. T., W. J. Pettit, A. Swirepik, and A. Walker. 2002b. A strategy for the biological control of *Onopordum* spp. thistles in south-eastern Australia. *Biocontrol Science and Technology* 12: 121-136.
- Briese, D. T., M. Zapater, A. Andorno, and G. Perez-Camargo. 2002c. A two-phase open-field test to evaluate the host-specificity of candidate biological control agents for *Heliotropium amplexicaule*. *Biological Control* 25: 259-272.
- Briese, D. T., W. J. Pettit, and A. Walker. 2004. Evaluation of the biological control agent, *Lixus cardui*, on *Onopordum* thistles: experimental studies on agent demography and impact. *Biological Control* 31:165-171.
- Briggs, C. J. and Godfray, H. C. J. 1995. The dynamics of insect-pathogen interactions in stage structured populations. *American Naturalist*. 145: 855-887.
- Briggs, C. J. and Godfray, H. C. J. 1996. The dynamics of insect-pathogen interactions in seasonal environments. *Theoretical Population Biology*. 50:149-177.
- Britton, K. O., D. Orr, and Jianghua Sun. 2002. Kudzu, pp. 325-330. In: Van Driesche, R. G., B. Blossey, M. Hoddle, S., Lyon, and R. Reardon (eds.). *Biological Control of Invasive Plants in the Eastern United States*. USDA Forest Service, FHTET-2002-04, Morgantown, West Virginia, USA.
- Brower, A. V. Z. and R. Desalle. 1994. Practical and theoretical considerations for choice of a DNA sequence region in insect molecular systematics, with a short review of published studies using nuclear gene regions. *Annals of the Entomological Society of America* 87: 702-716.
- Brower, J. H. and J. W. Press. 1988. Interactions between the egg parasite *Trichogramma pretiosum* (Hymenoptera: Trichogrammatidae) and a predator, *Xylocoris flavipes* (Hemiptera: Anthocoridae) of the almond moth *Cadra cautella* (Lepidoptera: Pyralidae). *Journal of Entomological Science* 23: 342-349.
- Brown, C. J., B. Blossey, J. C. Maerz, and S. J. Joule. 2006. Invasive plant and experimental venue affect tadpole performance. *Biological Invasions* 8: 327-338.
- Brown, D. W. and R. A. Goyer. 1982. Effects of a predator complex on lepidopterous defoliators of soybean. *Environmental Entomology* 11: 385-389.
- Brown, K. C. 1989. The design of experiments to assess the effects of pesticides on beneficial arthropods in orchards: replication versus plot size, pp. 71-80. In: Jepson, P. C. (ed.). *Pesticides and Non-Target Invertebrates*. Intercept, Wimborne, Dorset, United Kingdom.
- Brown, M. D., T. M. Watson, J. Carter, D. M. Purdie, and B. H. Kay. 2004. Toxicity of VectoLex (*Bacillus sphaericus*) products to selected Australian mosquito and nontarget species. *Journal of Economic Entomology* 97: 51-58.
- Brown, M. W. and S. S. Miller. 1998. Coccinellidae (Coleoptera) in apple orchards of eastern West Virginia and the impact of invasion by *Harmonia axyridis*. *Entomological News* 109 (2): 143-151.

- Browne, L. B. and T. M. Withers. 2002. Time-dependent changes in the host-acceptance threshold of insects: implications for host specificity testing of candidate biological control agents. *Biocontrol Science and Technology* 12: 677-693.
- Broza, M., M. Brownbridge, and B. Sneh. 1991. Monitoring secondary outbreaks of the African armyworm in Kenya using pheromone traps for timing *Bacillus thuringiensis* application. *Crop Protection* 10: 229-233.
- Bruce, J. S., L. E. Twigg, and G. S. Gray. 2004. The epidemiology of rabbit haemorrhagic disease and its impact on rabbit populations in south-western Australia. *Wildlife Research* 31: 31-49.
- Bruns, H. 1960. The economic importance of birds in forests. *Bird Study* 7: 193-208.
- Bruzzese, E. 1995. Present status of biological control of European blackberry (*Rubus fruticosus* aggregate) in Australia. In: Delfosse, E. S. and Scott, R. R. (Eds.) Biological Control of Weeds: Proceedings of the VIII International Symposium on Biological Control of Weeds, 2-7 February 1992, Canterbury, New Zealand. Melbourne; DSIR/CSIRO, pp. 297-99.
- Buckingham, G. R. 1996. Biological control of alligatorweed, *Alternanthera philoxeroides*, the world's first aquatic weed success story. *Castanea* 61: 231-243.
- Buckingham, G. R. 1998. Proposed field release of the Australian sawfly *Lophyrotoma zonalis* Rohwer (Hymenoptera: Pergidae) for control of the Australian melaleuca or paperbark tree, *Melaleuca quinquenervia* (Cav.) S. T. Blake (Myrtales: Myrtaceae). Petition to the Interagency Technical Advisory Group on Biological Control of Weeds, unpublished.
- Buckingham, G. R. 2001. Quarantine host range studies with *Lophyrotoma zonalis*, an Australian sawfly of interest for biological control of melaleuca, *Melaleuca quinquenervia*, in Florida. *BioControl* 46: 363-386.
- Buckingham, G. R. and S. Passoa. 1985. Flight muscle and egg development in waterhyacinth weevils, pp. 497-510. In: Delfosse, E. S. (ed.). *Proceedings of the VIth International Symposium on Biological Control of Weeds, Vancouver, Canada, 19-25 August 1984*. Agriculture Canada, Ottawa, Canada.
- Buckingham, G. R., E. A. Okrah, and M. C. Thomas. 1989. Laboratory host range tests with *Hydrellia pakistanae* (Diptera: Ephydriidae), an agent for biological control of *Hydrilla verticillata* (Hydrocharitaceae). *Environmental Entomology* 18: 164-171.
- Buddle, B. M., G. W. de Lisle, K. McColl, B. J. Collins, C. Morrissy, and H. A. Westbury. 1997. Response of the North Island brown kiwi, *Apteryx australis mantelli* and the lesser short-tailed bat, *Mystacina tuberculata* to a measured dose of rabbit haemorrhagic disease virus. *New Zealand Veterinary Journal* 45: 109-113.
- Buitenhuis, R. and J. L. Shipp. 2005. Efficacy of entomopathogenic nematode *Steinernema feltiae* (Rhabditida: Steinernematidae) as influenced by *Frankliniella occidentalis* (Thysanoptera: Thripidae) developmental stage and host plant stage. *Journal of Economic Entomology* 98: 1480-1485.
- Bullock, D. J., S. G. North, M. E. Dulloo, and M. Thorsen. 2002. The impact of rabbit and goat eradication on the ecology of Round Island, Mauritius, pp. 60-70. In: Veitch, C. R. and M. N. Clout (eds.). *Turning the Tide: the Eradication of Invasive Species*. IUCN SSC Invasive Species Specialist Group. IUCN, Gland, Switzerland and Cambridge, United Kingdom. On line at <http://www.hear.org/articles/turningthetide/turningthetide.pdf>

- Bullock, R. C., R. R. Pelosi, and E. E. Keller. 1999. Management of citrus root weevils (Coleoptera: Curculionidae) on Florida citrus with soil-applied entomopathogenic nematodes (Nematoda: Rhabditida). *Florida Entomologist* 82: 1-7.
- Burbutis, P. P., N. Erwin, and L. R. Ertle. 1981. Reintroduction and establishment of *Lydella thompsoni* and notes on other parasites of the European corn borer in Delaware. *Environmental Entomology* 10: 779-781.
- Burge, M. N. (ed.). 1988. *Fungi in Biological Control Systems*. Manchester University Press, Manchester, United Kingdom.
- Burger, J., K. Viscido, and M. Gochfeld. 1995. Eggshell thickness in marine birds in the New York bight – p 1970s to 1990s. *Archives of Environmental Contamination and Toxicology* 29: 187-191.
- Burger, J. M. S., Y. Huang, L. Hemerik, J. C. van Lenteren, and L. E. M. Vet. 2006. Flexible use of patch-leaving mechanisms in a parasitoid wasp. *Journal of Insect Behavior* 19: 155-170.
- Burges, H. D. (ed.). 1981a. *Microbial Control of Pests and Plant Diseases*. Academic Press, New York.
- Burges, H. D. 1981b. Safety, safety testing and quality control of microbial pesticides, pp. 738-769. In: Burges, H. D. (ed.). *Microbial Control of Pests and Plant Diseases*. Academic Press, London.
- Burges, H. D., G. Croizier, and J. Huber. 1980. A review of safety tests on baculoviruses. *Entomophaga* 25: 329-340.
- Burks, R. A. and J. D. Pinto. 2002. Reproductive and electrophoretic comparisons of *Trichogramma californicum* Nagaraja and Nagarkatti with the *T. minutum* complex (Hymenoptera: Trichogrammatidae). *Proceedings of the Entomological Society of Washington* 104: 33-40.
- Burnell, A. M. and S. P. Stock. 2000. *Heterorhabditis*, *Steinernema* and their bacterial symbionts – lethal pathogens of insects. *Nematology* 2: 31-42.
- Burrows, D. W. and J. K. Balciunas. 1997. Biology, distribution and host range of the sawfly *Lophyrotoma zonalis* (Hym.: Pergidae), a potential biological control agent for the paperbark tree, *Melaleuca quinquenervia*. *Entomophaga* 42: 299-313.
- Buschman, L. L. and L. J. DePew. 1990. Outbreaks of Banks grass mite (Acari: Tetranychidae) in grain sorghum following insecticide application. *Journal of Economic Entomology* 83: 1570-1574.
- Bustillo, A. E. and A. T. Drooz. 1977. Cooperative establishment of a Virginia (USA) strain of *Telenomus alsophilae* on *Oxydia trychiata* in Colombia. *Journal of Economic Entomology* 70: 767-770.
- Bustos-Obregon, E. 2001. Adverse effects of exposure to agropesticides on male reproduction. *Acta Pathologica, Microbiologica et Immunologica* 109: S233-S242.
- Butko, P. 2003. Cytolytic toxin Cyt1A and its mechanism of membrane damage: data and hypotheses. *Applied and Environmental Microbiology* 69: 2415-2422.
- Byrne, F. J. and N. C. Toscano. 2006. Detection of *Gonatocerus ashmeadi* (Hymenoptera : Myrmariidae) parasitism of *Homalodisca coagulata* (Homoptera : Cicadellidae) eggs by polyacrylamide gel electrophoresis of esterases. *Biological Control* 36: 197-202.

- Byrne, M. J., S. Currin, and M. P. Hill. 2002. The influence of climate on the establishment and success of the biocontrol agent *Gratiana spadicea*, released on *Solanum sisymbriifolium* in South Africa. *Biological Control* 24:128-134.
- Cabanillas, H. E. and J. R. Raulston. 1994. Evaluation of the spatial pattern of *Steinernema riobris* in corn plots. *Journal of Nematology* 26: 25-61.
- Caccia, R., M. Baillod, E. Guignard, and S. Kreiter. 1985. Introduction d'une souche de *Amblyseius andersoni* Chant (Acari: Phytoseiidae) resistant a l'aziphos, dans la lutte contre les acariens phytophages en viticulture. *Revue Suisse Viticulture, Arboriculture, et Horticulture* 17: 285-290.
- Cade, W. 1975. Acoustically orienting parasitoids: fly phonotaxis to cricket song. *Science* 190: 1312-1313.
- Cagne, W. C. 1988. Conservation priorities in Hawaiian natural systems. *BioScience* 38: 264-271.
- Cain, S. A. 1943. Criteria for the indication of the center of origin in plant geographical studies. *Torreya* 43: 132-154.
- Calder, A. A. and D. P. A. Sands. 1985. A new Brazilian *Cyrtobagous* Hustache (Coleoptera: Curculionidae) introduced into Australia to control Salvinia. *Journal of the Australian Entomological Society* 24: 57-64.
- Callcott, A. M. A. and H. L. Collins. 1996. Invasion and range expansion of red imported fire ant (Hymenoptera: Formicidae) in North America from 1918-1995. *Florida Entomologist* 79: 240-251.
- Caltagirone, L. E. and R. L. Doutt. 1989. The history of the vedalia beetle importation to California and its impact on the development of biological control. *Annual Review of Entomology* 34: 1-16.
- Cameron, P. J., R. L. Hill, J. Bain, and W. P. Thomas. 1989. *A Review of Biological Control of Invertebrate Pests and Weeds in New Zealand 1847-1987*. Commonwealth Institute of Biological Control, Technical Communication No. 10, Commonwealth Agricultural Bureaux, Farnham Royal, Slough, United Kingdom.
- Camarena, M. O. 1995. Programa de control de hydrilla en los distritos de riego de México, pp. 56-63. *En: Jornada Técnica de Investigación y Transferencia de Tecnología para los Distritos de Riego de Tamaulipas*. Facultad de Agronomía, Universidad Autónoma de Tamaulipas. México.
- Campbell, A., B. D. Frazer, N. Gilbert, A. P. Gutierrez, and M. Mackauer. 1974. Temperature requirements of some aphids and their parasites. *Journal of Applied Ecology* 11: 431-438.
- Campbell, B. C. and S. S. Duffey. 1981. Alleviation of alpha-tomatine-induced toxicity to the parasitoid *Hyposoter exiguae* by phytosterols in the diet of the host, *Heliothis zea*. *Journal of Chemical Ecology* 7: 927-946.
- Campanhola, C., J. De Moraes G., and L. A. Nogueira DeSá. 1995. Review of IPM in South America. *In: A. N. Mengech et al. (eds.). Integrated Pest management in the Tropics: Current Status and Prospects*. New York, USA. John Wiley & sons.

- Campbell, C. L. and D. C. Sands. 1992. Testing the effects of the microbial agents on plants, pp. 689-705. *In*: Levin, M. A., R. J. Seidler, and M. Rogul (eds.). *Microbial Ecology: Principles, Methods, and Applications*. McGraw-Hill, New York.
- Campbell, R. W. 1974. The gypsy moth and its natural enemies. *Agricultural Information Bulletin No. 381*. United States Department of Agriculture, Washington, D.C.
- Campbell, R. W. 1975. The gypsy moth and its natural enemies. *United States Department of Agriculture Information Bulletin 381*.
- Campbell, R. W. and T. R. Torgersen. 1983. Compensatory mortality in defoliator population dynamics. *Environmental Entomology* 12: 630-632.
- Canard, M. and T. A. Volkovich. 2001. Outlines of lacewing development, pp. 130-153. *In*: McEwen, P., T. R. New, and A. E. Whittington. *Lacewings in the Crop Environment*. Cambridge University Press, Cambridge, United Kingdom.
- Cannon, R. J. C., R. H. A. Baker, M. C. Taylor, and J. P. Moore. 1999. A review of the status of the New Zealand flatwork in the UK. *Annals of Applied Biology* 135: 597-614.
- Cantwell, G. E. and T. Lehnert. 1979. Lack of effect of certain microbial insecticides on the honeybee. *Journal of Invertebrate Pathology* 33: 381-382.
- Capinera, J. L., S. L. Blue, and G. S. Wheeler. 1982. Survival of earthworms exposed to *Neoaplectana carpcapsae* nematodes. *Journal of Invertebrate Pathology* 39: 419-421.
- Capinera, J. L., D. Pelissier, G. S. Menout, and N. D. Epsky. 1988. Control of black cutworm, *Agrotis ipsilon* (Lepidoptera: Noctuidae), with entomogenous nematodes (Nematoda: Steinernematidae, Heterorhabditidae). *Journal of Invertebrate Pathology* 52: 427-435.
- Cardé, R. and Hai-Pong Lee, 1989. Effect of experience on the responses of the parasitoid *Brachymeria intermedia* (Hymenoptera: Chalcididae) to its host, *Lymantria dispar* (Lepidoptera: Lymantriidae) and to kairomone. *Annals of the Entomological Society of America* 82: 653-657.
- Carey, J. R. 1989. The multiple decrement life table: a unifying framework for cause-of-death analysis in ecology. *Oecologia* 78: 131-137.
- Carey, J. R. 1992. The Mediterranean fruit fly in California: taking stock. *California Agriculture* 46(1): 12-17.
- Carey, J. R. 1993. *Applied Demography for Biologists, with Special Emphasis on Insects*. Oxford University Press, New York.
- Carpenter, D., and N. Cappuccino. 2005. Herbivory, time since introduction and the invasiveness of exotic plants. *Journal of Ecology* 93: 315-321.
- Carruthers, R. I. and K. Hural. 1990. Fungi as naturally occurring entomopathogens, pp. 115-138. *In*: Baker, R. R. and P. E. Dunn (eds.). *New Directions in Biological Control, Alternatives for Suppressing Agricultural Pests and Diseases*. Alan R. Liss, Inc., New York.
- Carruthers, R. I. and R. S. Soper, 1987. Fungal diseases, pp. 357-416. *In*: Fuxa, J. R. and Y. Tanada (eds.). *Epizootiology of Insect Diseases*. John Wiley and Sons, New York.
- Carson, R. 1962. *Silent Spring*. Houghton Mifflin, New York.
- Carter, M.C.A., J. L. Robertson, R. A. Haack, R. K. Lawrence, and J. L. Hayes. 1996. Genetic relatedness of North American populations of *Tomicus piniperda* (Coleoptera: Scolytidae). *Journal of Economic Entomology* 89: 1345-1353.

- Carter, N. 1987. Management of cereal aphid (Hemiptera: Aphididae) populations and their natural enemies in winter wheat by alternate strip spraying with a selective insecticide. *Bulletin of Entomological Research* 77: 677-682.
- Casas, J. 1989. Foraging behaviour of a leafminer parasitoid in the field. *Ecological Entomology* 14: 257-265.
- Casas, J., S. Swarbrick, and W. W. Murdoch. 2004. Parasitoid behaviour: predicting field from laboratory. *Ecological Entomology* 29: 657-665.
- Case, T. J. 1996. Global patterns in the establishment and distribution of exotic birds. *Biological Conservation* 78: 69-96.
- Castagnoli, M. and S. Simoni. 2003. *Neoseiulus californicus* (McGregor) (Acari: Phytoseiidae): survey of biological and behavioral traits of a versatile predator. *Redia* 86: 153-164.
- Castañé, C., R. Quero and J. Riudavets. 2006. The brine shrimp *Artemia* sp. as alternative prey for rearing the predatory bug *Macrolophus caliginosus*. *Biological Control* 38:405-412.
- Caswell, H. 1989. *Matrix Populaton Models: Construction, Analysis, and Interpretation*. Sinauer Associates, Sunderland, Massachusetts, USA.
- Caudell, J. N., J. Whittier, M. R. Conover, M. W. Fall, and W. B. Jackson. 2002. The effects of haemogregarine-like parasites on brown tree snakes (*Boiga irregularis*) and slatey-grey snakes (*Stegonotus cucullatus*) in Queensland, Australia. *International Biodeterioration and Biodegradation* 49: 113-119.
- Caughley, G., R. Pech, and D. Grice. 1992. Effect of fertility control on a population's productivity. *Wildlife Research* 19: 623-627.
- Causton, C. E. 2004. Predicting the field prey range of an introduced predator, *Rodolia cardinalis* Mulsant, in the Galápagos, pp. 195-223. In: Van Driesche, R. G. and R. Reardon (eds.). *Assessing Host Ranges for Parasitoids and Predators Used for Classical Biological Control: A Guide to Best Practice*. FHTET-2004-03, United States Department of Agriculture Forest Service, Morgantown, West Virginia, USA
- Causton, C. E., M.P. Lincango, and T. G. A. Poulson. 2004. Feeding range studies of *Rodolia cardinalis* (Mulsant), candidate biological control agent of *Icerya purchasi* Maskell in the Galápagos Islands. *Biological Control* 29: 315-325.
- Causton, C. E., C. R. Sevilla, and S. D. Porter. 2005. Eradication of the little fire ant, *Wasmannia auropunctata* (Hymenoptera: Formicidae) from Marchena Island, Galápagos: On the edge of success? *Florida Entomologist* 88: 159-168.
- Center, T. D. 1981. Biological control and its effect on production and survival of waterhyacinth leaves, pp. 393-410. In: Delfosse, E. S. (ed.). *Proceedings of the Vth International Symposium on Biological Control of Weeds*, 22-29 July 1980, Brisbane, Australia. CSIRO, Melbourne, Australia.
- Center, T. D. 1985. Leaf life tables: A viable method for assessing sublethal effects of herbivory on waterhyacinth shoots, pp. 511-524. In: Delfosse, E. S. (ed.). *Proceedings of the VIth International Symposium on Biological Control of Weeds*, 19-25 August 1984, Vancouver, Canada. Agriculture Canada, Ottawa.

- Center, T. D. and T. K. Van. 1989. Alteration of water hyacinth (*Eichhornia crassipes* [Mart.] Solms) leaf dynamics and phytochemistry by insect damage and plant density. *Aquatic Botany* 35: 181-195.
- Center, T. D., M. J. Grodowitz, A. F. Cofrancesco, G. Jubinsky, E. Snoddy, and J. E. Freedman. 1997a. Establishment of *Hydrellia pakistanae* (Diptera: Ephydriidae) for the biological control of the submersed aquatic plant *Hydrilla verticillata* (Hydrocharitaceae) in the southeastern United States. *Biological Control* 8:65-73.
- Center, T. D., J. H. Frank, and F. A. Dray. 1997b. Biological control, pp. 245-263. In: Simberloff, D., D. C. Schmitz, and T. C. Brown (eds.). *Strangers in Paradise: Impact and Management of Nonindigenous Species in Florida*. Island Press, Washington D.C.
- Center, T. D., T. K. Van, M. B. Rayachhetry, G. R. Buckingham, F. A. Dray, S. Wineriter, M. F. Purcell, and P. D. Pratt. 2000. Field colonization of the melaleuca snout beetle (*Oxyops vitiosa*) in south Florida. *Biological Control* 19: 112-123.
- Center, T. D., M. P. Hill, H. Cordo, and M. H. Julien. 2002. Waterhyacinth, pp. 41-64. In: Van Driesche, R. G., B. Blossey, and M. Hoddle (eds.). *Biological Control of Invasive Plants in the Eastern United States*. FHTET- 2002-04, US Forest Service, Morgantown, West Virginia.
- Center, T. D., T. K. Van, F. A. Dray, S. J. Franks, M. T. Rebelo, P. D. Pratt, and M. B. Rayamajhi. 2005. Herbivory alters competitive interactions between two invasive aquatic plants. *Biological Control* 33: 173-185.
- Center, T. D., P. D. Pratt, P. W. Tipping, M. B. Rayamajhi, T. K. Van, S. A. Wineriter, F. A. Dray, Jr., and M. Purcell. 2006. Field colonization, population growth, and dispersal of *Boreioglycaspis melaleucae* Moore, a biological control agent of the invasive tree *Melaleuca quinquenervia* (Cav.) Blake. *Biological Control* 39: 363-374.
- Center, T. D., P. D. Pratt, P. W. Tipping, Min B. Rayamajhi, Thai K. Van, S. A. Wineriter, and F. A. Dray, Jr. 2007. Initial impacts and field validation of host range for *Boreioglycaspis melaleucae* Moore (Hemiptera: Psyllidae), a biological control agent of the invasive tree *Melaleuca quinquenervia* (Cav.) Blake (Myrtales: Myrtaceae: Leptospermoideae). *Environmental Entomology* 36(3): 569-576.
- Chambers, R. J., E. M. Wright and R. J. Lind. 1993. Biological control of glasshouse sciarid larvae (*Bradysia* spp.) with the predatory mite, *Hypoaspis miles* on cyclamen and poinsettia. *Biocontrol Science and Technology* 3: 285-293.
- Chandler, L. D., F. E. Gilstrap, and H. W. Browning. 1988. Evaluation of the within-field mortality of *Liriomyza trifolii* (Diptera: Agromyzidae) on bell pepper. *Journal of Economic Entomology* 81: 1089-1096.
- Chang, G. C. 1996. Comparison of single versus multiple species of generalist predators for biological control. *Environmental Entomology* 25: 207-213.
- Chapuis, J. L., P. Boussès, and G. Barnaud. 1994. Alien mammals, impact, and management in the French subantarctic islands. *Biological Conservation* 67: 97-104.
- Charles, J.-F., C. Nielsen-LeRoux, and A. Delécluse. 1996. *Bacillus sphaericus* toxins: molecular biology and mode of action. *Annual Review of Entomology* 41: 451-472.
- Charudattan, R. 2001. Biological control of weeds by means of plant pathogens: significance for integrated weed management in modern agro-ecology. *BioControl* 46: 229-260.

- Charudattan, R., B. D. Perkins, and R. C. Littell. 1978. Effects of fungi and bacteria on the decline of arthropod-damaged waterhyacinth (*Eichhornia crassipes*) in Florida. *Weed Science* 26: 101-107.
- Chasey, D. 1994. Possible origin of rabbit haemorrhagic disease in the United Kingdom. *The Veterinary Record* 135: 496-499.
- Chekchak, T., J. L. Chapuis, B. Pisanu, and P. Bousses. 2000. Introduction of the rabbit flea, *Spiropsyllus cuniculi* (Dale), to a subantarctic island (Kerguelen Archipelago) and its assessment as a vector of myxomatosis. *Wildlife Research* 27: 91-101.
- Chelliah, S., L. T. Fabellar, and E. A. Heinrichs. 1980. Effects of sub-lethal doses of three insecticides on the reproductive rate of the brown planthopper, *Nilaparvata lugens*, on rice. *Environmental Entomology* 9: 778-780.
- Chen, S. and I. Glazer, 2005. A novel method for long-term storage of the entomopathogenic nematode *Steinernema feltiae* at room temperature. *Biological Control* 32: 104-110.
- Chen, Y. K., K. L. Giles, M. E. Payton, and M. H. Greenstone. 2000. Identifying key cereal aphid predators by molecular gut analysis. *Molecular Ecology* 9: 1887-1898.
- Chen, Y., K. L. Giles, and M. H. Greenstone. 2002. Molecular evidence for a species complex in the genus *Aphelinus* (Hymenoptera: Aphelinidae). *Annals of the Entomological Society of America* 95: 29-34.
- Cherwonogrodzky, J. W. 1980. Microbial agents as insecticides. *Residue Reviews* 76: 73-
- Chesson, J. 1989. The effect of alternative prey on the functional response of *Notonecta hoffmani*. *Ecology* 70: 1227-1235.
- Chiang, H. C. 1970. Effects of manure applications and mite predation on corn rootworm populations in Minnesota. *Journal of Economic Entomology* 63: 934-936.
- Childs, J. E., G. E. Glass, and G. W. Korch, Jr. 1988. The comparative epizootiology of *Capillaria hepatica* (Nematoda) in urban rodents from different habitats of Baltimore, Maryland. *Canadian Journal of Zoology* 66: 2769-2775.
- Chiverton, P. A. 1986. Predatory density manipulation and its effects on populations of *Rhopalosiphum padi* (Hom.: Aphididae) in spring barley. *Annals of Applied Biology* 109: 49-60.
- Chiverton, P. A. 1987. Effects of exclusion barriers and inclusion trenches on polyphagous and aphid specific predators in spring barley. *Journal of Applied Entomology* 103: 193-203.
- Choh, Y., T. Shimoda, R. Ozawa, M. Dicke, and J. Takabayashi. 2004. Exposure of lima bean leaves to volatiles from herbivore-induced conspecific plants results in emission of carnivore attractants: active or passive process? *Journal of Chemical Ecology* 30: 1305-1317.
- Christensen, C. C. 1984. Are *Euglandina* and *Gonaxis* effective agents for Biological Control of the Giant African Snail in Hawaii? *American Malacological Bulletin* 2: 98-99.
- Cilliers, C. J., D. Zeller, and G. Strydom. 1996. Short- and long-term control of water lettuce (*Pistia stratiotes*) on seasonal water bodies and on a river system in the Kruger National Park. *Hydrobiologia* 340: 173-179.
- Cilliers, C. J., M. P. Hill, J. A. Ogwang, and O. Ajuonu. 2003. Aquatic weeds in Africa and their control, pp. 161-178. In: Neuenschwander, P., C. Borgemeister, and J. Langewald (eds.). *Biological Control in IPM Systems in Africa*. CABI Publishing, Wallingford, United Kingdom.

- Ciociola, A. I., Jr., R. A. Zucchi, and R. Stouthamer. 2001. Molecular key to seven Brazilian species of *Trichogramma* (Hymenoptera: Trichogrammatidae) using sequences of the ITS2 region and restriction analysis. *Neotropical Entomology* 30: 259-262.
- Cipolla, C., G. Lugo, C. Sassi, A. Belisario, M. Nucci, A. Palermo, M. A. Pescarelli, M. Nobile, and G. B. Raffi. 1997. Hypersensitivity and allergic disease in a group of workers employed in breeding insects for biological pest control. *Medicina del Lavoro* 88 (3): 220-225. (in Italian).
- Civeyrel, L. and D. Simberloff. 1996. A tale of two snails: is the cure worse than the disease? *Biodiversity and Conservation* 5 (10): 1231-1252.
- Clark, S. E., R. G. Van Driesche, N. Sturdevant, J. Elkinton, and J. P. Buonaccorsi. 2001. Effects of site characteristics and release history on establishment of *Agapeta zoegana* (Lepidoptera: Cochyliidae) and *Cyphocleonus achates* (Coleoptera: Curculionidae), root-feeding herbivores of spotted knapweed, *Centaurea maculosa*. *Biological Control* 22: 122-130.
- Clarke, A. R., K. E. Armstrong, A. E. Carmichael, J. R. Milne, S. Raghu, G. K. Roderick, and D. K. Yeates. 2005. Invasive phytophagous pests arising through a recent tropical evolutionary radiation: The *Bactrocera dorsalis* complex of fruit flies. *Annual Review of Entomology* 50: 293-319.
- Clarke, B., J. Murray, and M. S. Johnson. 1984. The extinction of endemic species by a program of biological control. *Pacific Science* 38(2): 97-104.
- Clarke, R. D. and P. R. Grant. 1968. An experimental study of the role of spiders as predators in a forest litter community. Part I. *Ecology* 49: 1152-1154.
- Clausen, C. P. 1962. *Entomophagous Insects*. McGraw-Hill Co., New York.
- Clausen, C. P. (ed.). 1978. *Introduced Parasitoids and Predators of Arthropod Pests and Weeds: A World Review*. Agriculture Handbook No. 480. United States Department of Agriculture, Washington, D.C.
- Clement, S. L. and M. Cristofaro. 1995. Open-field tests in host-specificity determination of insects for biological control of weeds. *Biocontrol Science and Technology* 5: 395-406.
- Clement, S. L. and R. Sobhian. 1991. Host-use patterns of capitulum-feeding insects of yellow starthistle: results from a garden plot in Greece. *Environmental Entomology* 20: 724-730.
- Clifford, K. T., L. Gross, K. Johnson, K. J. Marin and N. Shaheen. 2003. Slime-trail tracking in the predatory snail, *Englandia rosea*. *Behavioral Neuroscience* 117: 1086-1095.
- Cloutier, C. and S. G. Johnson. 1993. Predation by *Orius tristicolor* (Hemiptera: Anthocoridae) on *Phytoseiulus persimilis* (Acarina: Phytoseiidae): testing for compatibility between biocontrol agents. *Environmental Entomology* 22: 477-482.
- Cock, M. J. W. (ed.). 1985. *A Review of Biological Control of Pests in the Commonwealth Caribbean and Bermuda up to 1982*. Commonwealth Institute of Biological Control, Technical Communication No. 9, Commonwealth Agricultural Bureaux, Farnham Royal, Slough, United Kingdom.
- Cock, M. J. W. 2003. Risks of non-target impact versus stakeholder benefits in classical biological control of arthropods: selected case studies from developing countries, pp. 25-33. In: Van Driesche (ed.). *1st International Symposium on Biological Control of Arthropods*, January 14-

- 18, 2002. Honolulu, Hawaii, USA. FHTET-03-05. USDA Forest Service, Morgantown, West Virginia, USA.
- Coetzee, J., M. Byrne, and M. Hill. 2003. Failure of *Eccritotarsus catarinensis*, a biological control agent of waterhyacinth, to persist on pickerelweed, a non-target host in South Africa, after forced establishment. *Biological Control* 28: 229-236.
- Cohen, A. C. 1985. Simple methods for rearing the insect predator *Geocoris punctipes* (Heteroptera: Lygaeidae) on a meat diet. *Journal of Economic Entomology* 78: 1173-1175.
- Cohen, A. C. and C. G. Jackson. 1989. Using rubidium to mark a predator, *Geocoris punctipes*. (Hemiptera: Lygaeidae). *Journal of Entomological Science* 24: 57-61.
- Cohen, A. N., J. C. Carlton, and M. C. Fountain. 1995. Introduction, dispersal and potential impacts of the green crab *Carcinus maenas* in San Francisco Bay, California. *Marine Biology* 122: 225-237.
- Colborn, T., D. Dumanoski, and J. Petersen Meyers. 1997. *Our Stolen Future Are We Threatening our Fertility, Intelligence and Survival?* Plume, Penguin Group, New York.
- Colfer, R. G. and J. A. Rosenheim. 2001. Predation on immature parasitoids and its impact on aphid suppression. *Oecologia* 126: 292-304.
- Colfer, R. G., J. A. Rosenheim, L. D. Godfrey, and C. L. Hsu. 2003. Interactions between the augmentatively released predaceous mite *Galendromus occidentalis* (Acari: Phytoseiidae) and naturally occurring generalist predators. *Environmental Entomology* 32: 840-852.
- Colfer, R. G., J. A. Rosenheim, L. D. Godfrey, and C. L. Hsu. 2004. Evaluation of large-scale releases of western predatory mite for spider mite control in cotton. *Biological Control* 30: 1-10.
- Coll, M. and D. G. Bottrell. 1991. Microhabitat and resource selection of the European corn borer (Lepidoptera: Pyralidae) and its natural enemies in Maryland field corn. *Environmental Entomology* 20: 526-533.
- Coll, M. and D. G. Bottrell. 1992. Mortality of European corn borer larvae by natural enemies in different corn microhabitats. *Biological Control* 2: 95-103.
- Colunga-Garcia, M. and S. Gage. 1998. Arrival, establishment, and habitat use of the multicolored Asian lady beetle (Coleoptera: Coccinellidae) in a Michigan landscape. *Environmental Entomology* 27: 1574-1580.
- Colvin, B. A., M. W. Fall, L. A. Fitzgerald, and L. L. Loope. 2005. Review of brown treesnake problems and control programs: report of observations and recommendations. Prepared at the request of the U. S. Department of Interior, Office of Insular Affairs, for the Brown Treesnake Control Committee. March, 2005. www.invasivespeciesinfo.gov/animals/bts.shtml
- Conlin, T. 2002. An evaluation of two *Chondrostereum purpureum* carrier formulations used for the control of Sitka alder in a 41-year-old not satisfactorily restocked stand (ESSFwc1), Kootenay Forest District, Nelson Forest Region. *Extension Note – British Columbia Ministry of Forests*, Victoria, British Columbia, Canada Vol. 61, 4 pp.
- Connick, W. J., Jr., J. A. Lewis, and P. C. Quimby, Jr. 1990. Formulation of biocontrol agents for use in plant pathology, pp. 345-372. In: Baker, R. R. and P. E. Dunn (eds.). *New Directions in Biological Control*. UCLA Symposium, Alan Liss Pub., New York.

- Cook, A. 1989. The basis of food choice by the carnivorous snail *Englandina rosea*. *Monograph British Crop Protection Council* 41: 367-372.
- Coombs, E. M., and L. M. Wilson. 2004. *Phrydiuchus tau*, pp. 264-267. In: Coombs, E. M., J. K. Clark, G. L. Piper, and A. F. Cofrancesco, Jr. (eds.). *Biological Control of Invasive Plants in the United States*. Oregon State University Press, Corvallis, Oregon, USA.
- Coombs, E. M., J. K. Clark, G. L. Piper, and A. F. Cofrancesco, Jr. (eds.). 2004. *Biological Control of Invasive Plants in the United States*. Oregon State University Press, Corvallis, Oregon, USA.
- Coombs, M. 2004. Overwintering survival, starvation resistance, and post-diapause reproductive performance of *Nezara viridula* (L.) (Hemiptera: Pentatomidae) and its parasitoid *Trichopoda giacomellii* Blanchard (Diptera: Tachinidae). *Biological Control* 30: 141-148.
- Coombs, M. and D. P. A. Sands. 2000. Establishment in Australia of *Trichopoda giacomellii* (Blanchard) (Diptera: Tachinidae), a biological control agent for *Nezara viridula* (L.) (Hemiptera: Pentatomidae). *Australian Journal of Entomology* 39: 219-222.
- Coop, L. B. and R. E. Berry, 1986. Reduction in variegated cutworm (Lepidoptera: Noctuidae) injury in peppermint by larval parasitoids. *Journal of Economic Entomology* 79: 1244-1248.
- Coote, T. and E. Loève. 2003. From 61 to five: endemic tree snails of the Society Islands fall prey to an ill-judged biological control programme. *Oryx* 37 (1): 91-96.
- Coppel, H. C. and J. W. Mertins. 1977. *Biological Insect Pest Suppression*. Springer-Verlag, New York.
- Coquillard, P., T. Thibaut, D. R. C. Hill, J. Gueugnot, C. Mazel, and Y. Coquillard. 2000. Simulation of the mollusc *Ascoglossa Elysia subornata* population dynamics: application to the potential biocontrol of *Caulerpa taxifolia* growth in the Mediterranean Sea. *Ecological Modelling* 135: 1-16.
- Corbett, A., T. F. Leigh, and L. T. Wilson. 1991. Interplanting alfalfa as a source of *Metaseiulus occidentalis* (Acari: Phytoseiidae) for managing spider mites in cotton. *Biological Control* 1: 188-196.
- Cordo, H. A. 1992. Opportunities for biocontrol of weeds in Latin America, pp. 39-45. In: Coulson J.R. and M.C. Zapater (eds.). *Opportunities for Implementation of BioControl in Latin America*. IOBC. Buenos Aires, Argentina.
- Cordo, H. A. and C. J. DeLoach. 1976. Biology of the waterhyacinth mite in Argentina. *Weed Science* 24:245-249.
- Corn, J. G., J. M. Story, and L. J. White. 2006. Impacts of the biological control agent *Cyphocleonus achates* on spotted knapweed, *Centaurea maculosa*, in experimental plots. *Biological Control* 37:75-81.
- Coutts, A. D. M., K. M. Moore and C. L. Hewitt. 2003. Ships' sea chests: an overlooked transfer mechanism for non-indigenous marine species? *Marine Pollution Bulletin* 46: 1510-1513.
- Cowling, R., and D. Richardson. 1995. *Fynbos: South Africa's Unique Floral Kingdom*. Institute for Plant Conservation, Fernwood Press, Vlaeberg, Republic of South Africa. 156pp.
- Cornell, H. W. and B. A. Hawkins. 1995. Survival patterns and mortality sources of herbivorous insects: some demographic trends. *The American Naturalist* 145: 563-593.

- Cornell, H. V. and B. A. Hawkins. 2003. Herbivore responses to plant secondary compounds: a test of phytochemical coevolution theory. *The American Naturalist* 161: 507-522.
- Corrêa-Ferreira, B. S. and F. Moscardi. 1996. Biological control of stink bugs by inoculative releases of *Trissolcus basalus*. *Entomologia Experimentalis et Applicata* 79: 1-7.
- Corrêa-Ferreira, B. S., L. A. Domit, L. Morales, and R. C. Guimarães. 2000. Integrated soybean pest management in micro basins in Brazil. *Integrated Pest Management Reviews* 5 (2): 75-80.
- Corrigan, J. E., D. L. Mackenzie, and L. Simser. 1998. Field observations of non-target feeding by *Galerucella calmariensis* (Coleoptera: Chrysomelidae), an introduced biological control agent of purple loosestrife, *Lythrum salicaria* (Lythraceae). *Proceedings of the Entomological Society of Ontario* 129: 99-106.
- Cortesero, A. M., J. O. Stapel, and W. J. Lewis. 2000. Understanding and manipulating plant attributes to enhance biological control. *Biological Control* 17: 35-49.
- Cory, J. S., 2000. Assessing the risks of releasing genetically modified virus insecticides: progress to date, pp. 779-785. In: Katan, J., N. Aharonson, E. Cohen, B. Rubin, and G. A. Matthews (eds.). *XIVth International Plant Protection Congress*, July 25-30, 1999, Jerusalem, Israel. *Crop Protection* 19: 779-785.
- Cossentine, J. E. and L. B. M. Jensen. 2000. Releases of *Trichogramma platneri* (Hymenoptera: Trichogrammatidae) in apple orchards under a sterile codling moth release program). *Biological Control* 18: 179-186.
- Costello, S. L., P. D. Pratt, M. B. Rayamajhi, and T. D. Center. 2003. Arthropods associated with above-ground portions of the invasive tree *Melaleuca quinquenervia* in south Florida, USA. *Florida Entomologist* 86: 300-322.
- Coulson, J. R., W. Klaasen, R. J. Cook, E. G. King, H. C. Chiang, K. S. Hagen, and W. G. Yendol. 1982. Notes on biological control of pests in China, 1979. In: Anon. *Biological Control of Pests in China*. United States Department of Agriculture, Washington, DC.
- Coulson, J. R. and R. S. Soper. 1989. Protocols for the introduction of biological control agents in the U.S., pp. 1-35. In: Kahn, R. P. (ed.). *Plant Protection and Quarantine. Vol. III. Special Topics*. CRC Press, Inc. Boca Raton, Florida, USA.
- Coulson, J. R., R. S. Soper, and D. W. Williams (eds.). 1991. *Biological Control Quarantine Needs and Procedures, Appendix III. Proposed ARS Guidelines for Introduction and Release of Exotic Organisms for Biological Control*. Proceedings of a Workshop. USDA, Agricultural Research Service-99.
- Courchamp, F. and G. Sugihara. 1999. Modeling the biological control of an alien predator to protect island species from extinction. *Ecological Applications* 9: 112-123.
- Courtenay, W. R., Jr. 1997. Nonindigenous fishes, pp. 109-122. In: Simberloff, D., D. C. Schmitz, and T. C. Brown (eds.). 1997. *Strangers in Paradise*. Island Press, Washington, D.C.
- Courtenay, W. R., Jr. and G. K. Meffe. 1989. Small fishes in strange places: a review of introduced poeciliids, pp. 319-331. In: Meffe, G. K. and F. F. Snelson, Jr. (eds.). *Ecology and Evolution of Livebearing Fishes (Poeciliidae)*. Prentice Hall, Englewood Cliffs, New Jersey, USA.

- Coupland, J. and G. Baker. 1994. Host distribution, larviposition behavior and generation time of *Sarcophaga penicillata* (Diptera: Sarcophagidae), a parasitoid of conical snails. *Bulletin of Entomological Research* 84: 185-189.
- Coupland, J. and G. Baker. 1995. The potential of several species of terrestrial Sciomyzidae as biological control agents of pest helicid snails in Australia. *Crop Protection* 14: 573-576.
- Coupland, J., A. Espiau, and G. Baker. 1994. Seasonality, longevity, host choice, and infection efficiency of *Salticella fasciata* (Diptera: Sciomyzidae), a candidate for the biological control of pest helicid snails. *Biological Control* 4: 32-37.
- Cowan, P. E. 1996. Possum biocontrol: prospects for fertility control. *Reproduction, Fertility and Development* 8: 655-660.
- Cowan, P. E., and C. H. Tyndale-Biscoe. 1997. Australian and New Zealand mammal species considered to be pests or problems. *Reproduction, Fertility and Development* 9: 27-36.
- Cowie, R. H. 2001. Can snails ever be effective and safe biocontrol agents? *International Journal of Pest Management* 47: 23-40.
- Cowley, J. M. 1983. Lifecycle of *Apion ulicis* (Coleoptera: Apionidae), and gorse seed attack around Auckland, New Zealand. *New Zealand Journal of Zoology* 10:83-86.
- Craig, T. P., P. W. Price, and J. K. Itami. 1986. Resource regulation by a stem-galling sawfly on the arroyo willow. *Ecology* 67: 419-425.
- Crawford, H. S. and D. T. Jennings. 1989. Predation by birds on spruce budworm *Choristoneura fumiferana*: functional, numerical and total responses. *Ecology* 70: 152-163.
- Crawley, M. J. 1983. *Herbivory. The Dynamics of Animal-Plant Interactions*. University of California Press, Berkeley, California, USA
- Crawley, M. J. 1989. Insect herbivores and plant population dynamics. *Annual Review of Entomology* 34: 531-564.
- Crickmore, N., C. Nicholls, D. J. Earp, T. C. Hodgman, and D. J. Ellar. 1990. The construction of *Bacillus thuringiensis* strains expressing novel entomocidal delta endotoxin combinations. *Biochemical Journal* 270: 133-136.
- Cristoforo, M., F. Sale, G. Campobasso, L. Knutson, and V. Sbordoni. 1998. Biology and host preference of *Nephopteryx divisella* (Lepidoptera: Pyralidae): candidate agent for biological control of leafy spurge complex in North America. *Environmental Entomology* 27: 731-735.
- Croft, B. A. 1976. Establishing insecticide-resistant phytoseiid mite predators in deciduous tree fruit orchards. *Entomophaga* 21: 383-399.
- Croft, B. A. 1990. *Arthropod Biological Control Agents and Pesticides*. John Wiley and Sons, New York.
- Croft, B. A. and M. M. Barnes. 1971. Comparative studies on four strains of *Typhlodromus occidentalis*. III. Evaluations of release of insecticide-resistant strains into an apple orchard ecosystem. *Journal of Economic Entomology* 64: 845-850.
- Croft, B. A. and I. V. MacRae. 1992. Persistence of *Typhlodromus pyri* and *Metaseiulus occidentalis* (Acari: Phytoseiidae) on apple after inoculative release and competition with *Zetzellia mali* (Acari: Stigmaeidae). *Environmental Entomology* 21: 1168-1177.
- Cronk, Q. C. B. and J. L. Fuller. 1995. *Plant Invaders*. Chapman and Hall, London.

- Crooks, J. A. 2002. Characterizing ecosystem-level consequences of biological invasions: the role of ecosystem engineers. *Oikos* 97: 153-166.
- Crooks, J. A. 2005. Lag times and exotic species: the ecology and management of biological invasions in slow-motion. *Ecoscience* 12: 316-329.
- Cross, A. E. and J. S. Noyes. 1995. Dossier on *Anagyrus kamali* Moursi, biological control agent for the pink mealybug, *Maconellicoccus hirsutus*, in Grenada. International Institute of Biological Control, Silwood Park, Acot, Berkshire, United Kingdom (unpublished document).
- Crowe, M. L. and R. S. Bouchier. 2006. Interspecific interactions between the gall-fly *Urophora affinis* Frfld. (Diptera: Tephritidae) and the weevil *Larinus minutus* Gyll. (Coleoptera: Curculionidae), two biological control agents released against spotted knapweed, *Centaurea stobe* L. ssp. *micranthos*. *Biocontrol Science and Technology* 16(3/4): 417-430.
- Cruttwell-McFadyen, R. E. 1998. Biological control of weeds. *Annual Review of Entomology* 43: 369-393.
- CSIRO. 1970. *The Insects of Australia*. Melbourne University Press, Carlton, Victoria, Australia.
- CSIRO European Laboratory 2006. Mediterranean Snails. <http://www.csiro-europe.org/snails.html> (last accessed April 28, 2006).
- Cudjoe, A. R., P. Neuenschwander, and M. J. W. Copland. 1993. Interference by ants in biological control of the cassava mealybug *Phenacoccus manihoti* (Hemiptera: Pseudococcidae) in Ghana. *Bulletin of Entomological Research* 83: 15-22.
- Cullen, J. M. 1995. Predicting effectiveness: Fact and fantasy, pp. 103-109. In: Delfosse, E. A. and R. R. Scott (eds.). *Proceedings of the Eight International Symposium on Biological Control of Weeds, 2-7 February 1992, Lincoln University, Canterbury, New Zealand*. DSIRO/CSIRO, Melbourne, Australia,
- Cullen, J. M. and E. S. Delfosse. 1985. *Echium plantagineum*: catalyst for conflict and change in Australia, pp. 249-292. In: Delfosse, E. S. (ed.). *Proceedings of the VIth International Symposium on Biological Control of Weeds*. 19-25 August, 1984, Vancouver, British Columbia, Canada. Agriculture Canada, Ottawa, Canada.
- Culliney, T. W., J. W. Beardsley, Jr., and J. J. Drea. 1988. Population regulation of the Eurasian pine adelgid (Homoptera: Adelgidae) in Hawaii. *Journal of Economic Entomology* 81: 142-147.
- Culver, J. J. 1919. A study of *Compsilura concinnata*, an imported tachinid parasitoid of the gipsy moth and the brown-tail moth. *Bulletin No. 766, U. S. Department of Agriculture*, Washington, D.C.
- Curtis, J. E., T. V. Price, and P. M. Ridland. 2003. Initial development of a spray formulation which promotes germination and growth of the fungal entomopathogen *Verticillium lecanii* (Zimmerman) Viegas (Deuteromycotina: Hyphomycetes) on capsicum leaves (*Capsicum annuum grossum* Sendt. Var California Wonder) and infection of *Myzus persicae* Sulzer (Homoptera: Aphididae). *Biocontrol Science and Technology* 13:35-46.
- Cushing, E. C. 1957. *History of Entomology in World War II*. Smithsonian Institute Publication No. 4294, Washington, D.C.
- D'Antonio, C. M. and P. M. Vitousek. 1992. Biological invasions by exotic grasses, the grass/fire cycle, and global change. *Annual Review of Ecology and Systematics* 23: 63-87.

- Daane, K. M., R. Malakar-Kuenen, M. Guillén, W. J. Bentley, M. Bianchi, and D. Gonzalez. 2003. Abiotic and biotic pest refuges hamper biological control of mealybugs in California vineyards, pp. 389-398. *In: Van Driesche (ed.). Proceedings of the First International Symposium on Biological Control of Arthropods*, January 14-18, 2002, Honolulu, Hawaii (USA). FHTET-03-05. United States Department of Agriculture, Forest Service, Morgantown, West Virginia, USA.
- Dadswell, L. P., W. D. Abbott, and R. A. McKenzie. 1985. The occurrence, cost and control of sawfly larval (*Lophyrotoma interrupta*) poisoning of cattle in Queensland 1972-1981. *Australian Veterinary Journal* 62: 94-97.
- Dahlan, A. N. and G. Gordh. 1998. Development of *Trichogramma australicum* Girault (Hymenoptera: Trichogrammatidae) in eggs of *Helicoverpa armigera* (Hübner) (Lepidoptera: Noctuidae) and in artificial diet. *Australian Journal of Entomology* 37: 254-264.
- Dahlsten, D. L. and N. J. Mills. 1999. Biological control of forest insects, pp. 761-788. *In: Bellows, T. S. and T. W. Fisher (eds.). Handbook of Biological Control*. Academic Press, San Diego, California, USA.
- Dahlsten, D. L., K. M. Daane, T. D. Paine, K. R. Sime, A. B. Lawson, D. L. Rowney, W. J. Roltsch, J. W. Andrews, Jr., J. N. Kabashima, D. A. Shaw, K. L. Robb, P. M. Geisel, W. E. Chaney, C. A. Ingels, L. G. Varela, M. L. Bianchi, and G. Taylor. 2005. Imported parasitic wasp helps control red gum lerp psyllid. *California Agriculture* 59: 229-234.
- Dai, K. J., L. W. Zhang, Z. J. Ma, L. S. Zhong, Q. X. Zhang, A. H. Cao, K. J. Xu, Q. Li, and Y. G. Gao. 1988. Research and utilization of artificial egg for propagation of parasitoid *Trichogramma*. *Colloques de l'INRA* 43: 311-318.
- Dajoz, R. 2002. *The Coleoptera. Carabids and Tenebrionids: Ecology and Biology*. Editions Tec and Doc, Paris, France.
- Danforth, B. N., C.-P. Lin, and J. Fang. 2005. How do insect nuclear ribosomal genes compare to protein-coding genes in phylogenetic utility and nucleotide substitution patterns? *Systematic Entomology* 30: 549-562.
- Darlington, P. J., Jr. 1957. *Zoogeography: The Geographical Distribution of Animals*. John Wiley and Sons, New York.
- Davies A.P., C.L. Lange, S. L. O'Neill. 2006 . A rapid single-step multiplex method for discriminating between *Trichogramma* (Hymenoptera: Trichogrammatidae) species in Australia. *Journal of Economic Entomology*. 99:2142-2145.
- Davies, D. H. and M. T. Siva-Jothy. 1991. Encapsulation in insects: polydnviruses and encapsulation-promoting factors, pp. 119-132. *In: Gupta, A. P. (ed.). Immunology of Insects and other Arthropods*. CRC Press, Inc., Boca Raton, Florida, USA.
- Davies, K. A. and R. M. Giblin-Davis. 2004. The biology and associations of *Fergusobia* (Nematoda) from the *Melaleuca leucadendra*-complex in eastern Australia. *Invertebrate Systematics* 18: 291-319.
- Davis, C. J. 1964. The introduction, propagation, liberation, and establishment of parasites to control *Nezara viridula* variety *smaragdula* (Fabricius) in Hawaii (Heteroptera: Pentatomidae). *Proceedings of the Hawaiian Entomological Society* 18: 369-375.

- Davis, D. E., K. Myers, and J. B. Hoy. 1976. Biological control among vertebrates, pp. 501-519. In: Huffaker, C. B. and P. S. Messenger (eds.). *Theory and Practice of Biological Control*. Academic Press, New York, 788pp.
- Davis, M. A., J. P. Grime, and K. Thompson. 2000. Fluctuating resources in plant communities: a general theory of invisibility. *Journal of Ecology* 88: 528-534.
- Day, M. D. 1999. Continuation trials: their use in assessing the host range of a potential biological control agent, pp. 11-19. In Withers, T. M., L. Barton Browne, and J. Stanley (eds.). *Host Specificity Testing in Australasia: Towards Improved Assays for Biological Control*. Queensland Department of Natural Resources, Coorparoo, DC, Queensland, Australia.
- Day, M. D. and S. Naser. 2000. Factors influencing the biological control of *Lantana camara* in Australia and South Africa, pp. 897-908. In: Spencer, N. R. (ed.). *Proceedings of the Xth International Symposium on Biological Control of Weeds*, 4-14 July 1999, Montana State University, Bozeman, Montana. Montana State University Press, Bozeman, Montana, USA.
- Day, M. D., S. Broughton, and M. A. Hannan-Jones. 2003. Current distribution and status of *Lantana camara* and its biological control agents in Australia, with recommendations for further biocontrol introductions into other countries. *Biocontrol News and Information* 24(3): 63N-76N
- Day, W. H. 1996. Evaluation of biological control of the tarnished plant bug (Hemiptera: Miridae) in alfalfa by the introduced parasite *Peristenus digoneutis* (Hymenoptera: Braconidae). *Environmental Entomology* 25: 512-518.
- Day, W. H. 2005. Changes in abundance of native and introduced parasites (Hymenoptera: Braconidae), and of the target and non-target plant bug species (Hemiptera: Miridae), during two classical biological control programs in alfalfa. *Biological Control* 33: 368-374.
- Day, W. H. 2005. Changes in abundance of native and introduced parasites (Hymenoptera: Braconidae), and of the target and non-target plant bug species (Hemiptera: Miridae), during two classical biological control programs in alfalfa. *Biological Control* 33: 368-374.
- Day, W. H., D. R. Prokrym, D. R. Ellis, and R. J. Chianese. 1994. The known distribution of the predator *Propylea quatuordecimpunctata* (Coleoptera: Coccinellidae) in the United States, and thoughts on the origin of this species and five other exotic lady beetles in eastern North America. *Entomological News* 105 (4): 244-256.
- Day, W. H., J. M. Tropp, A. T. Eaton, R. F. Romig, R. G. Van Driesche, and R. J. Chianese. 1998. Geographic distributions of *Peristenus conradi* and *P. digoneutis* (Hymenoptera: Braconidae), parasites of the alfalfa plant bug and the tarnished plant bug (Hemiptera: Miridae) in the northeastern United States. *Journal of the New York Entomological Society* 106: 69-75.
- Day, W. H., A. T. Eaton, R. F. Romig, K. J. Tilmon, M. Mayer, and T. Dorsey. 2003. *Peristenus digoneutis* (Hymenoptera: Braconidae), a parasite of *Lygus lineolaris* (Hemiptera: Miridae) in northeastern United States alfalfa, and the need for research. *Entomological News* 114 (2): 105-111.
- Deans, A. R. 2005. *Annotated Catalog of the World's Ensign Wasp Species (Hymenoptera: Evaniidae)*. Contributions of the American Entomological Institute 34 (1).
- DeBach, P. 1958. Application of ecological information to control citrus pests in California. *Proceedings of the Xth International Congress of Entomology* 3: 187-194.
- DeBach, P (ed.). 1964a. *Biological Control of Insect Pests and Weeds*. Reinhold, New York.

- DeBach, P. 1964b. The scope of biological control, pp. 3-20. *In*: DeBach, P., and E. I. Schlinger (eds.). 1964. *Biological Control of Insect Pests and Weeds*. Reinhold Publ. Corp., New York..
- DeBach, P. 1974. *Biological Control by Natural Enemies*. Cambridge University Press, London.
- DeBach, P. and C. B. Huffaker. 1971. Experimental techniques for evaluation of the effectiveness of natural enemies, pp. 113-140. *In*: Huffaker, C. B. (ed.). *Biological Control*. Plenum Press, New York.
- DeBach, P. and D. Rosen. 1991. *Biological Control by Natural Enemies, 2nd ed.* Cambridge University Press, Cambridge, U.K., pp. 140-148.
- DeBach, P. and R. A. Sundby. 1963. Competitive displacement between ecological homologues. *Hilgardia* 34: 105-166.
- DeBach, P., C. A. Fleschner, and E. J. Dietrick. 1951. A biological check method for evaluating the effectiveness of entomophagous insects in the field. *Journal of Economic Entomology* 44: 763-766.
- DeBach, P., D. Rosen, and C. E. Kennett. 1971. Biological control of coccids by introduced natural enemies, pp. 165-194. *In*: Huffaker, C. B. (ed.). *Biological Control*. Academic Press, New York.
- DeBach, P., C. B. Huffaker, and A. W. MacPhee. 1976. Evaluation of the impact of natural enemies, pp. 255-285. *In*: Huffaker, C. B. and P. S. Messenger (eds.). *Theory and Practice of Biological Control*. Academic Press, New York.
- De Barjac, H. 1978. Un nouveau candidat a la lutte biologique contre les moustiques: *Bacillus thuringiensis* var. *israelensis*. *Entomophaga* 23: 309-319.
- De Barjac, H. and A. Bonnefoi. 1962. Essai de classification biochimique et serologique de 24 souches de *Bacillus* du type *B. thuringiensis*. *Entomophaga* 7: 5-31.
- De Barjac, H. and A. Bonnefoi. 1968. A classification of strains of *Bacillus thuringiensis* with a key to their differentiation. *Journal of Invertebrate Pathology* 11: 335-347.
- De Barro, P. J. and F. Driver. 1997. Use of RAPD PCR to distinguish the B biotype from other biotypes of *Bemisia tabaci* (Gennadius) (Hemiptera: Aleyrodidae). *Australian Journal of Entomology* 36: 149-152.
- Debolt, J. W. 1991. Behavioral avoidance of encapsulation by *Leiophron uniformis* (Hymenoptera: Braconidae), a parasitoid of *Lygus* spp. (Hemiptera: Miridae): relationship between host age, encapsulating ability, and host acceptance. *Annals of the Entomological Society of America* 84: 444-446.
- De Boer, J. G. and M. Dicke. 2005. Information use by the predatory mite *Phytoseiulus persimilis* (Acari: Phytoseiidae), a specialized natural enemy of herbivorous spider mites. *Applied Entomology and Zoology* 40: 1-12.
- De Bruijn, S. L. and E. W. Bork. 2006. Biological control of Canada thistle in temperate pastures using high density rotational cattle grazing. *Biological Control* 36: 305-315.
- Dech, J. P. and P. Nosko. 2002. Population establishment, dispersal, and impact of *Galerucella pusilla* and *G. californiensis*, introduced to control purple loosestrife in central Ontario. *Biological Control* 23: 228-236.

- De Clercq, P., J. Mohaghegh, and L. Tirry. 2000. Effect of host plant on the functional response of the predator *Podisus nigrispinus* (Heteroptera: Pentatomidae). *Biological Control* 18: 65-70.
- De Clerck, R. A., B. Wikeem, and R. S. Bouchier. 2005. Early establishment and dispersal of the weevil, *Mogulones cruciger* (Coleoptera: Curculionidae) for biological control of houndstongue (*Cynoglossum officinale*) in British Columbia, Canada. *Biocontrol Science and Technology* 15: 173-190.
- De Clerck-Floate, R. A. B. Wileem, and R. S. Bouchier. 2005. Early establishment and dispersal of the weevil, *Mogulones cruciger* (Coleoptera: Curculionidae) for biological control of houndstongue (*Cynoglossum officinale*) in British Columbia, Canada. *Biocontrol Science and Technology* 15: 173-190.
- Degenhardt, H., F. Horstmann, and N. Mülleder. 2003. Bt-maize in Germany: experiences with cultivation from 1998 to 2002. *Mais* 31 (2): 75-77. (in German)
- de Hoog, G. S. 1972. The genera *Beauveria*, *Isaria*, *Tritirachium*, and *Acrodontium* gen. Nov. *Studies in Mycology* 1: 1-41.
- de Jong, M. D. 2000. The BioChon story: deployment of *Chondrostereum purpureum* to suppress stump sprouting in hardwoods. *Mycologist* 14: 58-62.
- De Klerk, M. L. and P. M. J. Ramakers. 1986. Monitoring population densities of the phytoseiid predator *Amblyseius cucumeris* and its prey after large-scale introduction to control *Thrips tabaci* on sweet pepper. *Mededelingen Faculteit Landbouwwetenschappen, Rijksuniversiteit Gent* 51(3a): 1045-1048.
- de Leon, J. H. and W. A. Jones. 2005. Genetic differentiation among geographic populations of *Gonatocerus ashmeadi*, the predominant egg parasitoid of the glassy-winged sharpshooter, *Homalodisca coagulata*. *Journal of Insect Science (Tucson)* 5. (e journal)
- de Leon, J. H., W. A. Jones, and D. J. W. Morgan. 2004. Molecular distinction between populations of *Gonatocerus morrilli*, egg parasitoids of the glassy-winged sharpshooter from Texas and California: Do cryptic species exist? *Journal of Insect Science (Tucson)* 4. (e journal)
- Delfosse, E. S. 1985. *Echium plantagineum* in Australia: Effects of a major conflict of interest, pp. 293-299. In: Delfosse, E. S. (ed.). *Proceedings of the VIth International Symposium on Biological Control of Weeds*, 19-25 August 1984, University of British Columbia, Vancouver, Canada. Agriculture Canada. Ottawa.
- Delfosse, E. S. 1990. Biological control and the cane toad syndrome. *Australian Natural History* 23(6): 480-489.
- Delfosse, E. S. 2005. Risk and ethics in biological control. *Biological Control* 35: 319-329.
- DeLoach, C. J. 1976. *Neochetina bruchi*, a biological control agent of waterhyacinth: host specificity in Argentina. *Annals of the Entomological Society of America* 69: 635-642.
- DeLoach, C. J. 1978. Considerations in introducing foreign biotic agents to control native weeds of rangelands, pp. 39-50. In: Freeman, T. E (ed). *Proceedings of the IVth International Symposium on Biological Control of Weeds*, 30 August to 2 September, 1976, Gainesville, Florida, Institute of Food and Agricultural Science, University of Florida, Gainesville, Florida, USA.

- DeLoach, C. J. 1980. Prognosis for biological control of weeds of southwestern U. S. rangelands, pp. 179-199. *In: Delfosse, E. S. (ed.). Proceedings of the Vth International Symposium on Biological Control of Weeds.* CSIRO, Brisbane, Australia.
- DeLoach, C. J. 1985. Conflicts of interest over beneficial and undesirable aspects of mesquite (*Prosopis* spp.) in the United States, as related to biological control, pp. 301-304. *In: Delfosse, E. S. (ed.). Proceedings of the VIth International Symposium on Biological Control of Weeds.* Canada Agriculture, Vancouver, British Columbia, Canada.
- DeLoach, C. J. and R. I. Carruthers. 2004. Saltcedar. pp. 311-316. *In: Coombs, E. M., J. K. Clark, G. L. Piper, and A. F. Cofrancesco, Jr. (eds.). Biological Control of Invasive Plants in the United States.* Oregon State University Press, Corvallis, Oregon, USA.
- DeLoach, C. J., D. Gerling, L. Fornasari, R. Sobhian, S. Myartseva, I. D. Mityaev, Q. G. Lu, J. L. Tracy, R. Wang, J. F. Wang, A. Kirk, R. W. Pemberton, V. Chikatunov, R. V. Jashenko, J. E. Johnson, H. Zheng, S. L. Jiang, M. T. Liu, A. P. Liu, and J. Cisneroz. 1996. Biological control programme against saltcedar (*Tamarix* spp.) in the United States of America: progress and problems, pp. 253-260. *In: Moran, V. C. and J. H. Hoffmann (eds.). Proceedings of the 9th International Symposium on Biological Control of Weeds. Stellenbosch, South Africa, 19-26, January, 1996.,* University of Cape Town, Rondebosch, South Africa.
- DeLoach, C. J., P. A. Lewis, J. C. Herr, R. I. Carruthers, J. L. Tracy, and J. Johnson. 2003. Host specificity of the leaf beetle *Diorhabda elongata deserticola* (Coleoptera: Chrysomelidae) from Asia, a biological control agent for saltcedars (*Tamarix*: Tamaricaceae) in the western United States. *Biological Control* 27: 117-147.
- DeLoach, C. J., R. I. Carruthers, T. L. Dudley, D. Eberts, D. J. Kazmer, A. E. Knutson, D. W. Bean, J. Knight, P. A. Lewis, L. R. Milbrath, J. L. Tracy, N. Tomic-Carruthers, J. C. Herr, G. Abbott, S. Prestwich, G. Harruff, J. H. Everitt, D. C. Thompson, I. Mityaev, R. Jashenko, B. Li, R. Sobhian, A. Kirk, T. O. Robbins, and E. S. Delfosse. 2004. First results for control of saltcedar (*Tamarix* spp.) in the open field in the western United States, pp. 505-513. *In: Cullen, J. M., D. T. Briese, D. J. Kriticos, W. M. Lonsdale, L. Morin, and J. K. Scott (eds.). Proceedings of the XI International Symposium on Biological Control of Weeds.* CSIRO Entomology, Canberra, Australia.
- Dempster, J. P. 1956. The estimation of the numbers of individuals entering each stage during the development of one generation of an insect population. *Journal of Animal Ecology* 25: 1-5.
- Dempster, J. P. 1967. The control of *Pieris rapae* with DDT, I. The natural mortality of the young stages of *Pieris*. *Journal of Applied Ecology* 4: 485-500.
- Dempster, J. P. 1987. Effects of pesticides on wildlife and priorities in future studies, pp. 17-25. *In: Brent, K. J. and R. K. Atkin (eds.). Rational Pesticide Use, Proceedings of the 9th Long Ashton Symposium.* Cambridge University Press, Cambridge, United Kingdom.
- De Nardo, E. A. B. De and K. R. Hopper. 2004. Using the literature to evaluate parasitoid host ranges: a case study of *Macrocentrus grandii* (Hymenoptera: Braconidae) introduced into North America to control *Ostrinia nubilalis* (Lepidoptera: Crambidae). *Biological Control* 31: 280-295.
- Den Boer, P. J. (ed.). 1971. *Dispersal and Dispersal Power of Carabid Beetles.* Miscellaneous Paper No. 8, Landbouwhogeschool, Wageningen, The Netherlands.

- Den Boer, P. J., H. U. Theile, and F. Weber (eds.). 1979. On the Evolution of Behaviour in Carabid Beetles. Miscellaneous Paper No. 18, Agricultural University of Wageningen, The Netherlands.
- Deng, X., Z. Q. Zheng, N. X. Zhang, and X. F. Jia. 1988. Methods of increasing the winter-survival of *Metaseiulus occidentalis* (Acari: Phytoseiidae) in northwest China. *Chinese Journal of Biological Control* 4: 97-101.
- Dennill, G. B. 1985. The effect of the gall wasp *Trichilogaster acaciaelongifoliae* (Hymenoptera: Pteromalidae) on reproductive potential and vegetative growth of the weed *Acacia longifolia*. *Agriculture, Ecosystems and Environment* 14: 53-61.
- Dennill, G. B. and D. Donnelly. 1991. Biological control of *Acacia longifolia* and related weed species (Fabaceae) in South Africa. *Agriculture, Ecosystems and Environment* 37:115-135.
- Dennill, G. B., D. Donnelly, K. Stewart, and F. A. C. Impson. 1999. Insect agents used for the biological control of Australian *Acacia* species and *Paraserianthes lophantha* (Willd.) Nielsen (Fabaceae) in South Africa, pp. 45-54. In: Olckers, T. and M.P. Hill (eds.). *Biological Control of Weeds in South Africa*. African Entomology Memoir No. 1. Entomological Society of South Africa.
- Dennis, B. and M. L. Taper. 1994. Density dependence in time series observations of natural populations: estimation and testing. *Ecological Monographs* 64: 205-224.
- Dennis, P., M. B. Thomas, and N. W. Sotherton. 1994. Structural features of field boundaries which influence the overwintering densities of beneficial arthropod predators. *Journal of Applied Ecology* 31: 361-370.
- Denno, R. F., D. Lewis, and C. Gratton. 2005. Spatial variation in the relative strength of top-down and bottom-up forces: causes and consequences for phytophagous insect populations. *Annals Zoologici Fennici* 42: 295-311.
- Denoth, M., L. Frid, and J. H. Myers. 2002. Multiple agents in biological control: improving the odds? *Biological Control* 24: 20-30.
- Desender, K., L. Baert, J-P. Maelfait, and P. Verdyck. 1999. Conservation on Volcán Alcedo (Galápagos): terrestrial invertebrates and the impact of introduced feral goats. *Biological Conservation* 87: 303-310.
- Deseo, K. V., P. Fantoni, and G. L. Lazzari. 1988. Presenza di nematodi entomopatogeni (*Steinernema* spp., *Heterorhabditis* spp.) nei terreni agricoli in Italia. *Atti Giornate Fitopatologia* 2: 269-280 (in Italian).
- Dexter, R. R., 1932. The food habits of the imported toad, *Bufo marinus*, in the sugar cane sections of Puerto Rico. *Proceedings of the 4th Congress of the International Society of Sugar Cane Technologists, San Juan, Bulletin* 74: 2-6.
- Dhileepan, K. 2001. Effectiveness of introduced biocontrol insects on the weed *Parthenium hysterophorus* (Asteraceae) in Australia. *Bulletin of Entomological Research* 91: 167-176.
- Dhileepan, K., M. Tevino, G. P. Donnelly, and S. Ragju. 2005. Risk to non-target plants from *Charidotis auroguttata* (Chrysomelidae: Coleoptera), a potential biocontrol agent for cat's claw creeper, *Macfadyena unguis-cati* (Bignoniaceae), in Australia. *Biological Control* 32: 450-460.

- Dicke, M. 1988. Microbial allelochemicals affecting the behavior of insects, mites, nematodes, and protozoa in different trophic levels, pp. 125-163. *In: Barbosa, P. and D. K. Letourneau (eds.). Novel Aspects of Insect-Plant Interactions.* John Wiley and Sons, New York.
- Dicke, M. and A. Groenvelde. 1986. Hierarchical structure in kairomone preference of the predatory mite *Amblyseius potentillae*: dietary component of indispensable diapause induction aspects of prey location behavior. *Ecological Entomology* 11: 131-138.
- Dicke, M., J. C. van Lenteren, G. J. F. Boskamp, and E. van Dongen-Van Leeuwen. 1984. Chemical stimuli in host-habitat location by *Leptopilina heterotoma* (Thompson) (Hymenoptera: Eucolidae), a parasite of *Drosophila*. *Journal of Chemical Ecology* 10: 695-712.
- Dicke, M., J. C. van Lenteren, G. J. F. Boskamp, and R. van Voorst. 1985. Intensification and prolongation of host searching in *Leptopilina heterotoma* (Thompson) (Hymenoptera: Eucolidae) through a kairomone produced by *Drosophila melanogaster*. *Journal of Chemical Ecology* 11: 125-136.
- Dicke, M., M. W. Sabelis, and A. Groenvelde. 1986. Vitamin A deficiency modifies response of the predatory mite *Amblyseius potentillae* to volatile kairomone of two spotted spider mite, *Tetranychus urticae*. *Journal of Chemical Ecology* 12: 1389-1396.
- Dicke, M., M. de Jong, M. P. T. Alers, F. C. T. Stelder, R. Wunderink, and J. Post. 1989. Quality control of mass-reared arthropods: nutritional effects on performance of predatory mites. *Journal of Applied Entomology* 108: 462-475.
- Diehl, J. and P. B. McEvoy. 1990. Impact of cinnabar moth (*Tyria jacobaeae*) on *Senecio trianularis*, a non-target native plant in Oregon, pp. 119-126. *In: Delfosse, E. S. (ed.). Proceedings of the VIIth International Symposium on Biological Control of Weeds.* Ministero dell'Agricoltura e delle Foreste and CSIRO, Rome, Italy.
- Dindo, M. L. 1995. Arthropod predator and parasitoid rearing. *Informatore Fitopatologico* 45 (7/8): 18-23 (in Italian).
- Dindo, M. L., R. Farneti, and P. Baronio. 2001. Rearing of the pupal parasitoid *Brachymeria intermedia* on veal homogenate-based artificial diets: evaluation of factors affecting effectiveness. *Entomologia Experimentalis et Applicata* 100: 53-61.
- Dively, G. P. and R. Rose. 2003. Effects of Bt transgenic and conventional insecticide control on the non-target natural enemy community in sweet corn, pp. 265-274. *In: Van Driesche, R. G. (ed.). Proceedings of the 1st International Symposium on Biological Control of Arthropods,* January 14-18, Honolulu, Hawaii, USA. USDA Forest Service, Morgantown, West Virginia, USA.
- Dixon, A. F. G. 2000. *Insect Predator-Prey Dynamics: Ladybird Beetles and Biological Control.* Cambridge University Press, Cambridge, United Kingdom.
- Doane, C. C. 1976. Ecology of pathogens of the gypsy moth, pp. 285-293. *In: Anderson, J. F. and H. K. Kaya (eds.). Perspectives in Forest Entomology.* Academic Press: New York.
- Dobson, A. P. 1988. Restoring island ecosystems: the potential of parasites to control introduced mammals. *Conservation Biology* 2: 31-39.
- Dobson, A. P. and P. J. Hudson. 1994. Population biology of *Trichostrongylus tenuis* in the red grouse *Lagopus lagopus scoticus*, pp. 310-319. *In: Scott, M. E. and G. Smith (eds.). Parasitic and Infectious Diseases, Epidemiology and Ecology.* Academic Press, San Diego, California, USA. 398 pp.

- Dobson, A. P. and R. M. May. 1986. Patterns of invasion by pathogens and parasites, pp. 58-76. *In: Mooney, H. A. and J. A. Drake (eds.). Ecology of Biological Invasions of North America and Hawaii.* Springer-Verlag, New York. 321pp.
- Dodd, A. P. 1940. *The Biological Campaign against Prickly Pear.* Commonwealth Prickly Pear Board, Brisbane, Australia.
- Dodd, S. L. and A. Stewart. 2003. RAPD-PCR and UP-PCR techniques distinguish a *Pithomyces chartarum* isolate with biocontrol capabilities against *Botrytis cinerea* on grape (*Vitis vinifera*). *New Zealand Journal of Crop and Horticultural Science* 31: 55-64.
- Dodd, S. L., R. A. Hill, and A. Stewart. 2004. A duplex-PCR bioassay to detect a *Trichoderma virens* biocontrol isolate in non-sterile soil. *Soil Biology and Biochemistry* 36: 1955-1965.
- Dong, H. F. and L. P. Niu. 1988. Effect of four fungicides on the establishment and reproduction of *Phytoseiulus persimilis* (Acari: Phytoseiidae). *Chinese Journal of Biological Control* 4: 1-5.
- Donnelly, B.A. and T. W. Phillips. 2001. Functional response of *Xylocoris flavipes* (Hemiptera: Anthocoridae): effects of prey species and habitat. *Environmental Entomology* 30: 617-624.
- Doutt, R. L. 1959. The biology of parasitic Hymenoptera. *Annual Review of Entomology* 3: 161-182.
- Doutt, R. L. 1964. Biological characteristics of entomophagous adults, pp. 145-167. *In: DeBach, P. and E. Schlinger (eds.). Biological Control of Insect Pests and Weeds.* Reinhold Publishing Corporation, New York.
- Doutt, R. L. and J. Nakata. 1973. The *Rubus* leafhopper and its egg parasitoid: an endemic biotic system useful in grape-pest management. *Environmental Entomology* 3: 381-386.
- Doutt, R. L., D. P. Annecke, and E. Tremblay. 1976. Biology and host relationships of parasitoids, pp. 143-168. *In: Huffaker, C. B., and P. S. Messenger (eds.). Theory and Practice of Biological Control.* Academic Press, New York.
- Dowell, R. V., G. E. Fitzpatrick, and J. A. Reinert. 1979. Biological control of citrus blackfly in southern Florida. *Environmental Entomology* 8: 595-597.
- Downie, D. A. 2002. Locating the sources of an invasive pest, grape phylloxera, using a mitochondrial DNA gene genealogy. *Molecular Ecology* 11: 2013-2026.
- Downing, R. S. and T. K. Moilliet. 1972. Replacement of *Typhlodromus occidentalis* by *T. caudiglans* and *T. pyri* (Acari: Phytoseiidae) after cessation of sprays on apple trees. *The Canadian Entomologist* 104: 937-940.
- Doyle, R. D., M. Grodowitz, R. M. Smart, and C. Owens. 2002. Impact of herbivory by *Hydrellia pakistanae* (Diptera: Ephydriidae) on growth and photosynthetic potential of *Hydrilla verticillata*. *Biological Control* 24: 221-229.
- Dray, F. A., Jr. and T. D. Center. 1992. Biological control of *Pistia stratiotes* L. (waterlettuce) using *Neohydronomus affinis* Hustache (Coleoptera: Curculionidae). U.S. Army Corps of Engineers, Aquatic Plant Control Program Technical Report A-92-1, US Army Waterways Experiment Station, Vicksburg, Mississippi, USA.
- Dreistadt, S. H. and D. L. Dahlsten. 1989. Gypsy moth eradication in Pacific coast states: history and eradication. *Bulletin of the Entomological Society of America* 35(2): 13-19.

- Dreistadt, S. H. and M. L. Flint. 1996. Melon aphid (Homoptera: Aphididae) control by inundative convergent lady beetle (Coleoptera: Coccinellidae) release on chrysanthemum. *Environmental Entomology* 25: 688-697.
- Driessen, G. and L. Hemerik. 1992. The time and egg budget of *Leptopilina calvipes*, a parasitoid of larval *Drosophila*. *Ecological Entomology* 17: 12-27.
- Drooz, A. T., A. E. Bustillo, G. F. Fedde, and V. H. Fedde. 1997. North American egg parasite successfully controls a different host in South America. *Science* 197: 390-391.
- Duan, J. J., M. Ahmad, K. Joshi, and R. H. Messing. 1997. Evaluation of the impact of the fruit fly parasitoid *Diachasmimorpha longicaudata* (Hymenoptera: Braconidae) on a nontarget tephritid, *Eutreta xanthochaeta* (Diptera: Tephritidae). *Biological Control* 8: 58-64.
- Duan, J. J., M. F. Purcell, and R. H. Messing. 1998. Association of the opine parasitoid *Diachasmimorpha tryoni* (Hymenoptera: Braconidae) with the lantana gall fly (Diptera: Tephritidae) on Kauai. *Environmental Entomology* 27: 419-426.
- Dubelman, S., B. R. Ayden, B. M. Bader, C. R. Brown, C. Jiang, and D. Vlachos. 2005. Cry1Ab protein does not persist in soil after 3 years of sustained Bt corn use. *Environmental Entomology* 34: 915-921.
- Dudley, T. L. and C. J. DeLoach. 2004. Saltcedar (*Tamarix* spp.), endangered species, and biological control of weed control – can they mix? *Weed Technology* 18 (suppl.): 1542-1551.
- Dudley, T. L. and D. J. Kazmer. 2005. Field assessment of the risk posed by *Diorhabda elongata*, a biocontrol agent for control of saltcedar (*Tamarix* spp.), to a nontarget plant, *Frankenia salina*. *Biological Control* 35: 265-275.
- Dulmage, D. H. 1981. Insecticidal activity of isolates of *Bacillus thuringiensis* and their potential for pest control, pp. 193-222. In: Burges, H. D. (ed.). *Microbial Control of Pests and Diseases, 1970-1980*. Academic Press, London, UK.
- Dulmage, H. T. 1981. Insecticidal activity of isolates of *Bacillus thuringiensis* and their potential for pest control, pp. 193-222. In: Burges, H. D. (ed.). *Microbial Control of Pests and Diseases*. Academic Press, New York.
- Dulmage, H. T. and R. A. Rhodes 1971. Production of pathogens in artificial media, pp. 507-540. In: Burges, H. D. and N. W. Hussey (eds.). *Microbial Control of Insects and Mites*. Academic Press, New York.
- Duso, C. 1992. Role of *Amblyseius aberrans* (Oud.), *Typhlodromus pyri* Scheuten and *Amblyseius andersoni* (Chant) (Acari: Phytoseiidae) in vineyards. *Journal of Applied Entomology* 114: 455-462.
- Dussourd, D. E. 1993. Foraging with finesse: Caterpillar adaptations for circumventing plant defenses, pp. 92 – 131. In: Stamp, N. E. and T. M. Casey (eds.). *Caterpillars: Ecological and Evolutionary Constraints on Foraging*. Chapman and Hall, New York.
- Dutky, S. R., J. V. Thompson, and G. E. Cantwell. 1964. A technique for mass propagation of the DD-136 nematode. *Journal of Insect Pathology* 6: 417-422.
- Dwyer, G. 1991. The roles of density, stage, and patchiness in the transmission of an insect virus. *Ecology* 72: 559-574.
- Dwyer, G. 2004. The combined effects of pathogens and predators on insect outbreaks. *Nature* 430: 341-345.

- Dwyer, G., J. Dushoff and S. H. Yee. 2004. The combined effects of pathogens and predators on insect outbreaks. *Nature* 430: 341-345.
- Dwyer, G. and J. S. Elkinton. 1995. Host dispersal and the spatial spread of insect pathogens. *Ecology* 76:1262-1275.
- Dwyer, G. J. S. Elkinton, and A. E. Hajek. 1998. Spatial scale and the spread of a fungal pathogen of gypsy moth. *The American Naturalist* 152: 485-494.
- Dysart, R. J., H. L. Maltby, and M. H. Brunson. 1973. Larval parasites of *Oulema melanipus* in Europe and their colonization in the United States. *Entomophaga* 18: 133-167.
- Eberhardt, L. L. 1970. Correlation, regression, and density-dependence. *Ecology* 51: 306-310.
- Ebert, D. and E. A. Herre. 1996. The evolution of parasitic diseases. *Parasitology Today* 12: 96-101.
- Echendu, T. N.C. and R. Hanna. 2000. Evaluation of the impact of *Typhlodromalus aripo* (De Leon), a predator of the cassava green mite (*Mononychellus tanajoa* [Bondar]) on cassava, pp. 75-81. In: Dicke, M. C., O. Ajayi, S. O. Okunade, N. O. Okoronkwo, and A. A. Abba (eds.). *Proceedings of ESN 30th Annual Conference*, Kano, Nigeria, October 4-7, 1999. Entomological Society of Nigeria, Zaria, Nigeria.
- Edwards, O. R. and M. A. Hoy. 1995. Monitoring laboratory and field biotypes of the walnut aphid parasite, *Trioxys pallidus*, in population cages using RAPD-PCR. *Biocontrol Science and Technology* 5: 313-327.
- Ehler, L. E. 1990. Introduction strategies in biological control of insects, pp. 111-134. In: Mackauer, M., L. E. Ehler, and J. Roland (eds.). *Critical Issues in Biological Control*. Intercept, Andover, United Kingdom.
- Ehler, L. E. 1995. Biological control of obscure scale (Homoptera: Diaspididae) in California: an experimental approach. *Environmental Entomology* 24: 779-795.
- Ehler, L.E. and J. C. Miller. 1978. Biological control in temporary agroecosystems. *Entomophaga* 23: 207-212.
- Ehlers, R.-U., S. Lunau, K. Drasomil-Osterfeld, and K. H. Osterfeld. 1998. Liquid culture of the entomopathogenic nematode-bacterium complex *Heterorhabditis megidis*/*Photorhabdus luminescens*. *Biocontrol* 43: 77-86.
- Eigenbrode, S. D., N. N. Kabalo, and K. A. Stoner. 1999. Predation, behavior, and attachment by *Chrysoperla plorabunda* larvae on *Brassica oleracea* with different surface waxblooms. *Entomologia Experimentalis et Applicata* 90: 225-235.
- Eikenbary, R. D. and C. E. Rogers. 1974. Importance of alternative hosts in establishment of introduced parasites. *Proceedings of the Tall Timbers Conference on Ecological Animal Control by Habitat Management* 5: 119-133.
- El-Arnaouty, S. A., V. Beyssat-Arnaouty, A. Ferran, and H. Galal. 2000. Introduction and release of the coccinellid *Harmonia axyridis* Pallas for controlling *Aphis craccivora* Koch on faba beans in Egypt. *Egyptian Journal of Biological Pest Control* 10: 129-136.
- Elkinton, J. S. 2000. Detecting stability and causes of change in population density, pp. 191-200. In: Boitani, L. and T. Fuller (eds.). *Research Techniques in Ethology and Animal Ecology: Uses and Misuses*. Columbia University Press, New York.

- Elkinton, J. S. 2003. Population ecology, pp. 933-944. *In*: Cardé, R. T. and V. Resh (eds.). *Encyclopedia of Insects*. Academic Press, San Diego, California, USA.
- Elkinton, J. S., J. P. Buonaccorsi, T. S. Bellows, Jr., and R. G. Van Driesche. 1992. Marginal attack rate, k -values, and density dependence in the analysis of contemporaneous mortality factors. *Researches on Population Ecology* 34: 29-44.
- Elkinton, J. S., W. H. Healy, J. P. Buonaccorsi, G. H. Boettner, A. Hazzard, H. Smith, and A. M. Liebhold. 1996. Interactions between gypsy moths, white-footed mice and acorns. *Ecology* 77: 2332-2342.
- Elliot, N. C., R. W. Kieckhefer, and W. C. Kauffman. 1991. Estimating adult coccinellid populations in wheat fields by removal, sweepnet, and visual count sampling. *The Canadian Entomologist* 123: 13-22.
- Ellis, C. R., B. Kormos, and J. C. Guppy. 1988. Absence of parasitism in an outbreak of the cereal leaf beetle, *Oulema melanopus* (Coleoptera: Chrysomelidae), in the central tobacco growing area of Ontario. *Proceedings of the Entomological Society of Ontario* 119: 43-46.
- Ellis, J. A., A. D. Walter, J. F. Tooker, M. D. Ginzler, P. F. Reagel, E. S. Lacey, A. B. Bennett, E. M. Grossman, and L. M. Hanks. 2005. Conservation biological control in urban landscapes: manipulating parasitoids of bagworm (Lepidoptera: Psychidae) with flowering forbs. *Biological Control* 34: 99-107.
- Elsy, K. D. 1974. Influence of plant host on searching speed of two predators. *Entomophaga* 19: 3-6.
- Elton, C. S. 1958. *The Ecology of Invasions by Animals and Plants*. Chapman and Hall, New York.
- Elvin, M. K., J. L. Stimac, and W. H. Whitcomb. 1983. Estimating rates of arthropod predation on velvetbean caterpillar larvae in soybeans. *Florida Entomologist* 66: 319-330.
- Elzein, A., J. Kroschel, and D. Müller-Stöver. 2004. Effects of inoculum type and propagule concentration on shelf life of Pest formulations containing *Fusarium oxysporum* Foxy 2, a potential mycoherbicide agent for *Striga* spp. *Biological Control* 30: 203-211.
- Elzen, G. W., H. J. Williams, and S. B. Vinson. 1986. Wind tunnel flight responses by the hymenopterous parasitoid *Campoletis sonorensis* to cotton cultivars and lines. *Entomologia Experimentalis et Applicata* 42: 285-289.
- Embree, D. G. 1960. Observations on the spread of *Cyzenis albicans* (Fall.) (Tachinidae: Diptera), an introduced parasite of the winter moth, *Operophtera brumata* (L.), (Geometridae: Lepidoptera), in Nova Scotia. *The Canadian Entomologist* 92: 862-864.
- Embree, D. G. 1965. The population dynamics of the winter moth in Nova Scotia, 1954-1962. *Memoirs of the Entomological Society of Canada* Vol. 46. 57 pp.
- Embree, D. G. 1966. The role of introduced parasites in the control of the winter moth in Nova Scotia. *The Canadian Entomologist* 98: 1159-1168.
- Embree, D. G. 1971. The biological control of the winter moth in eastern Canada by introduced parasites, pp. 217-226. *In*: Huffaker, C. B. (ed.). *Biological Control*. Plenum Press, New York.
- Engeman, R. M. and D. S. Vince. 2001. Objectives and integrated approaches for the control of brown tree snakes. *Integrated Pest Management Reviews* 6: 59-76.

- Engeman, R. M., D. S. Vince, G. Nelson, and E. Muña. 2000. Brown tree snakes effectively removed from a large plot of land on Guam by perimeter trapping. *International Biodeterioration and Biodegradation* 45: 139-142.
- English-Loeb, G., A. P. Norton, and M. A. Walker. 2002. Behavioral and population consequences of acarodomatia in grapes on phytoseiid mites (Mesostigmata) and implications for plant breeding. *Entomologia Experimentalis et Applicata* 104: 307-319.
- Enkerli, J., F. Widmer, and S. Keller. 2004. Long-term persistence of *Beauveria brongniartii* strains applied as biocontrol agents against European cockchafer larvae in Switzerland. *Biological Control* 29: 115-123.
- Entwistle, P. F. 1983. Control of insects by virus diseases. *Biocontrol News and Information* 43 (3): 203-225.
- Entwistle, P. F. J. S. Cory, M. J. Bailey, and S. Higgs (eds.). 1993. *Bacillus thuringiensis, an Environmental Pesticide: Theory and Practice*. John Wiley and Sons, New York.
- Environmental Protection Agency, 1983. *Title 40, Protection of Environment, Chapter I, Environmental Protection Agency, Subchapter E, Pesticide Programs (OPP-30063A), Part 158, Data Requirements for Pesticide Registration*. Environmental Protection Agency, Washington, D. C.
- Erbilgin, N., D. L. Dahlsten, and P. Y. Chen. 2004. Intraguild interactions between generalist predators and an introduced parasitoid of *Glycaspis brimblecombei* (Homoptera: Psylloidea). *Biological Control* 31: 329-337.
- Erlandson, M., L. Braun, D. Baldwin, J. Soroka, M. Ashfaq, and D. Hegedus. 2003. Molecular markers for *Peristenus* spp. (Hymenoptera: Braconidae), parasitoids associated with *Lygus* spp. (Hemiptera: Miridae). *The Canadian Entomologist* 135: 71-83.
- Ervin, R. T., L. J. Moffitt, and D. E. Meyerdirk. 1983. Comstock mealybug (Homoptera: Pseudococcidae): cost analysis of a biological control program in California. *Journal of Economic Entomology* 76: 605-609.
- Erwin, T. L., G. E. Ball, D. R. Whitehead, and A. L. Halpern. 1979. *Carabid Beetles: their Evolution, Natural History, and Classification*. Proceedings of the First International Symposium of Carabidology. Smithsonian Institution, Washington, D.C., USDA, August 21-23, 1976. W. Junk, The Hague, The Netherlands.
- Etzel, L. K., S. O. Levinson, and L. A. Andres. 1981. Elimination of *Nosema* in *Galeruca rufa*, a potential biological control agent for field bindweed. *Environmental Entomology* 10: 143-146.
- Eubanks, M. D. and R. F. Denno. 2000. Host plants mediate omnivore-herbivore interactions and influence prey suppression. *Ecology* 81: 936-947.
- Evans, E. W. and J. G. Swallow. 1993. Numerical responses of natural enemies to artificial honeydew in Utah alfalfa. *Environmental Entomology* 22: 1392-1401.
- Evans, K. J., L. Morin, E. Bruzese, and R. T. Roush. 2004. Overcoming limits on rust epidemics in Australian infestations of European blackberry, pp. 514-519. In: Cullen, J. M., D. T. Briese, D. J. Kriticos, W. M. Lonsdale, L. Morin, and J. K. Scott (Eds.) *Proceedings of the XIth International Symposium on Biological Control of Weeds, 27 April - 2 May 2003, Canberra, Australia*. CSIRO Entomology, Canberra, Australia.

- Evans, R. A. 2004. Hemlock ecosystems and hemlock woolly adelgid at the Delaware Water Gap National Recreation Area (see website at: <http://www.fs.fed.us/na/morgantown/fhp/hwa/pub/HemRpt03_USFS_website.pdf>(accessed Oct 25, 2004)
- Evans, R. A., E. Johnson, J. Shreiner, A. Ambler, J. Battles, N. Cleavitt, T. Fahey, J. Sciascia, and E. Pehek. 1996. Potential impacts of hemlock woolly adelgid (*Adelges tsugae*) on eastern hemlock (*Tsuga canadensis*) ecosystems, pp. 42-57. In: S. M. Salom, T. C. Tigner, and R. C. Reardon (eds.). *Proceedings of the First Hemlock Woolly Adelgid Review*, Charlottesville, Virginia, 1995. FHTET 96-10. USDA Forest Service Forest Health Technology Enterprise Team-Morgantown, West Virginia, USA.
- Everest, J. W., J. H. Miller, D. M. Ball, and M. G. Patterson. 1991. Kudzu in Alabama. Alabama Cooperative Extension Service Circular ANR-65. Auburn University, Auburn Alabama, USA.
- Facon, B., J. P. Pointier, M. Glaubrecht, C. Poux, P. Jarne, and P. David. 2003. A molecular phylogeography approach to biological invasions of the New World by parthenogenetic Thiarid snails. *Molecular Ecology* 12: 3027-3039.
- Faeth, S. H. and D. Simberloff. 1981. Population regulation of a leaf-mining insect, *Cameraria* sp. nov., at increased field densities. *Ecology* 62: 620-624.
- Kaufman, P. E., C. Reasor, D. A. Rutz, J. K. Ketzis, and J. J. Arends. 2005. Evaluation of *Beauverria bassiana* applications against adult house fly, *Musca domestica*, in commercial caged-layer poultry facilities in New York state. *Biological Control* 33: 360-367.
- Fayrer-Hosken, R. A., D. Grobler, J. J. Van Altena, H. J. Bertschinger, and J. F. Kirkpatrick. 2000. Immunocontraception of African elephants. *Nature* 407: 149.
- Federici, B. A. 1991. Viewing polydnviruses as gene vectors of endoparasitic Hymenoptera. *Redia* 74: 387-392.
- Federici, B. A. 1999. A perspective on pathogens as biological control agents for insect pests, pp. 517-548. In: Bellows, T. S., Jr. and T. W. Fisher (eds.). *Handbook of Biological Control*. Academic Press, San Diego, California, USA.
- Federici, B. A. 2005. Insecticidal bacteria: an overwhelming success for invertebrate pathology. *Journal of Invertebrate Pathology* 89: 30-38.
- Federici, B. A. 2007. Bacteria as biological control agents for insects: economics, engineering, and environmental safety, pp. 25-51?. In: Gressel, J and M Vurro (eds.). *Novel Biotechnologies for Biocontrol Enhancement and Management*. Springer, Dordrecht, Germany.
- Feener, D. H., Jr. and B. V. Brown. 1992. Reduced foraging of *Solenopsis geminata* (Hymenoptera: Formicidae) in the presence of parasitic *Pseudacton* spp. (Diptera: Phoridae). *Annals of the Entomological Society of America* 85: 80-84.
- Feener, D. H., Jr. and B. V. Brown. 1997. Diptera as parasitoids. *Annual Review of Entomology* 42: 73-97.
- Fellows, D. P. and W. E. Newton. 1999. Prescribed fire effects on biological control of leafy spurge. *Journal of Range Management* 52: 489-493.
- Feng, J. G., X. Tao, A.-S. Zhang, Y. Yu, C.-W. Zhang, and Y.-Y. Cui. 1999. Studies on using *Trichogramma* spp. reared on artificial host egg to control pests. *Chinese Journal of Biological Control* 15: 97-99. (in Chinese)

- Feng, M. G., T. J. Poprawski, and G. G. Khachatourians. 1994. Production, formulation, and application of the entomopathogenic fungus *Beauveria bassiana* for insect control. *Biocontrol Science and Technology* 4: 3-34.
- Fenner, F. 1994. Myxomatosis, pp. 337-346. In: Scott, M. E. and G. Smith (eds.). *Parasitic and Infectious Diseases, Epidemiology and Ecology*. Academic Press, San Diego, California, USA. 398 pp.
- Fenner, F. and I. D. Marshall. 1957. A comparison of the virulence for European rabbits (*Oryctolagus cuniculus*) of strains of myxoma virus recovered in the field in Australia, Europe, and America. *Journal of Hygiene* 55: 149-191.
- Fenner, F. and F. N. Ratcliffe. 1965. *Myxomatosis*. Cambridge University Press Cambridge, United Kingdom. 379 pp.
- Fenner, F. and J. Ross. 1994. *Myxomatosis*, pp. 205-239. In: Thompson, H. V. and C. M. King (eds.). *The European Rabbit, the History and Biology of a Successful Colonizer*. Oxford University Press, Oxford, United Kingdom. 245 pp.
- Ferguson, F. F. 1978. The role of biological agents in the control of schistosome-bearing snails. United States Department of Health, Education and Welfare. Atlanta, Georgia, USA.
- Ferrer, F. 2001. Biological control of agricultural insect pests in Venezuela; advances, achievements, and future perspectives. *Biocontrol News and Information* 22: 67-74.
- Ferreras, P. and D. W. MacDonald. 1999. The impact of American mink, *Mustela vison*, on water birds in the upper Thames. *Journal of Applied Ecology* 36: 701-708.
- Ferron, P. 1978. Biological control of insect pests by entomogenous fungi. *Annual Review of Entomology* 23: 409-442.
- Fiaboe, M. K., A. Chabi-Olaye, S. Gounou, H. Smith, C. Borgemeister, and F. Schulthess. 2003. *Sesamia calamistis* calling behavior and its role in host finding of egg parasitoids *Telenomus busseolae*, *Telenomus isis*, and *Lathromeris ovicida*. *Journal of Chemical Ecology* 29: 921-929.
- Field, R. P. and S. M. Darby. 1991. Host specificity of the parasitoid *Sphexophaga vesparum* (Curtis) (Hymenoptera: Ichneumonidae), a potential biological control agent of the social wasps *Vespula germanica* (Fabricius) and *V. vulgaris* (L.) (Hymenoptera: Vespidae) in Australia. *New Zealand Journal of Zoology* 18: 193-197.
- Fillman, D. A. and W. L. Sterling. 1983. Killing power of the red imported fire ant (Hymen.: Formicidae): a key predator of the boll weevil (Col.: Curculionidae). *Entomophaga* 28: 339-344.
- Fischhoff, D. A., K. S. Bowdish, F. J. Perlak, P. G. Marrone, S. H. McCormick, J. G. Neidermeyer, D. A. Dean, R. T. Kusano-Kretzmer, E. J. Mayer, D. E. Rochester, S. G. Rogers, and R. T. Fraley. 1987. Insect tolerant tomato plants. *Bio/Technology* 5: 807-813.
- Fisher, S. W. and J. D. Briggs. 1992. Testing of microbial pest control agents in nontarget insects and acari, pp. 761-777. In: Levin, M. A., R. J. Seidler, and M. Rogul (eds.). *Microbial Ecology: Principles, Methods, and Applications*. McGraw-Hill, New York.
- Fisher, T. W. and R. E. Orth. 1985. Biological control of snails. Occasional Papers, No. 1. Department of Entomology, University of California, Riverside, California, USA.

- Fitzgerald, J. and M. Easterbrook. 2003. Phytoseiids for control of spider mites, *Tetranychus urticae*, and tarsonemid mite, *Phytonemus pallidus*, on strawberry in UK. *Bulletin OILB/SROP* 26 (2): 107-111.
- Flaherty, D. L. and C. B. Huffaker. 1970. Biological control of Pacific mites and Willamette mites in the San Joaquin Valley vineyard. Part I. Role of *Metaseiulus occidentalis*. Part II. Influence of dispersion patterns of *Metaseiulus occidentalis*. *Hilgardia* 40: 267-330.
- Flanagan, G. J., L. A. Hills, and C. G. Wilson. 2000. The successful control of spinyhead sida, *Sida acuta* [Malvaceae], by *Calligrapha pantherina* (Col: Chrysomelidae) in Australia's Northern Territory, pp. 35-41. *In*: Spencer, N. R. (ed.). *Proceedings of the Xth International Symposium on Biological Control of Weeds*, 4-14 July 1999. Montana State University, Bozeman, Montana, USA.
- Flanders, S. E. 1930. Mass production of egg parasites of the genus *Trichogramma*. *Hilgardia* 4: 464-501.
- Flanders, S. E. 1960. The status of San Jose scale parasitization (including biological notes). *Journal of Economic Entomology* 53: 757-759.
- Fleming, J. G. W. and M. D. Summers. 1991. Polydnavirus DNA is integrated in the DNA of its parasitoid wasp host. *Proceedings of the National Academy of Science* 88: 9770-9774.
- Fleschner, C. A. 1954. Biological control of avocado pests. *California Avocado Society Yearbook* 38: 125-129.
- Fleschner, C. A., J. C. Hall, and D. W. Ricker. 1955. Natural balance of mite pests in an avocado grove. *California Avocado Society Yearbook* 39: 155-162.
- Flexner, J. L., B. Lighthart, and B. A. Croft. 1986. The effects of microbial pesticides on non-target, beneficial arthropods. *Agriculture, Ecosystems, and Environment* 16: 203-254.
- Flint, M. L. and S. H. Dreistadt. 2005. Interactions among convergent lady beetle (*Hippodamia convergens*) releases, aphid populations, and rose cultivar. *Biological Control* 34: 38-46.
- Florentine, S. K., A. Raman, and K. Dhileepan. 2005. Effects of gall induction by *Epiblema strenuana* on gas exchange, nutrients, and energetics in *Parthenium hysterophorus*. *BioControl* 50: 787-801.
- Foelix, R. F. 1982. *Biology of Spiders*. Harvard University Press, Cambridge, Massachusetts, USA.
- Follett, P. A., M. T. Johnson, and V. P. Jones. 2000. Parasitoid drift in Hawaiian pentatomids, pp. 77-109. *In*: Follett, P. A. and J. J. Duan (eds.). *Nontarget Effects of Biological Control*. Kluwer Academic Publishers, Boston, Massachusetts, USA.
- Forno, I. W. and A. S. Bourne. 1984. Studies in South America of arthropods on the *Salvinia auriculata* complex of floating fern and their effects on *S. molesta*. *Bulletin of Entomological Research* 74: 609-621.
- Forrester, N. L., B. Boag, S. R. Moss, S. L. Turner, R. C. Trout, P. J. White, P. J. Hudson, and E. A. Gould. 2003. Long-term survival of New Zealand rabbit haemorrhagic disease virus RNA in wild rabbits, revealed by RT-PCR and phylogenetic analysis. *Journal of General Virology* 84: 3079-3086.

- Forschler, B. T., J. N. All, and W. A. Gardner. 1990. *Steinernema feltiae* activity and infectivity in response to herbicide exposure in aqueous and soil environments. *Journal of Invertebrate Pathology* 55: 375-379.
- Foster, G. N. and A. Kelly. 1978. Initial density of glasshouse whitefly (*Trialeurodes vaporariorum* [Westwood]), Hemiptera in relation to the success of suppression by *Encarsia formosa* Gahan (Hymenoptera) on glasshouse tomatoes. *Horticultural Research* 8: 55-62
- Fournier, D., P. Millot, and M. Pralavorio. 1985. Rearing and mass production of the predatory mite *Phytoseiulus persimilis*. *Entomologia Experimentalis et Applicata* 38: 97-100.
- Fournier, D., M. Pralavorio, J. Coulon, and J. B. Berge. 1988. Fitness comparison in *Phytoseiulus persimilis* strains resistant and susceptible to methidathion. *Experimental and Applied Acarology* 5: 55-64.
- Fowler, M. C. and T. O. Robson. 1978. The effects of the food preferences and stocking rates of grass carp (*Ctenopharyngodon idella* Val.) on mixed plant communities. *Aquatic Botany* 5: 261-276.
- Fowler, S. V. 2004. Biological control of an exotic scale, *Orthezia insignis* Browne (Homoptera: Ortheziidae), saves the endemic gumwood tree, *Commidendrum robustum* (Roxb.) DC. (Asteraceae) on the island of St. Helena. *Biological Control* 29: 367-374.
- Fowler, S. V., P. Syrett, and R. L. Hill. 2000. Success and safety in the biological control of environmental weeds in New Zealand. *Austral Ecology* 25: 553-562.
- Fox, G. A. 1993. Failure-time analysis: emergence, flowering, survivorship, and other waiting times, pp. 253-289. In: Scheiner, S. M. and J. Gurevitch (eds.). *Design and Analysis of Ecological Experiments*. Chapman and Hall, New York.
- Fox, T. B., D.A. Landis, F. f. Cardoso, and C. D. Difonzo. 2004. Predators suppress *Aphis glycines* Matsumura population growth in soybean. *Environmental Entomology* 33: 608-618.
- Frank, J. H. 1999. Bromeliad feeding weevils. *Selbyana* 20: 40-48.
- Frank, J. H. and R. Cave. 2005. *Metamasius callizona* is destroying Florida's native bromeliads. pp. 91-101. In: Hoddle, M.S. (compiler), *Proceedings of the Second International Symposium on Biological Control of Arthropods, Davos Switzerland*. USDA-FS Forest Health Technology Team, Morgantown, West Virginia, USA.
- Frank, J. H. and E. D. McCoy. 1994. Commercial importation into Florida of invertebrate animals as biological control agents. *Florida Entomologist* 71: 1-20.
- Frank, J. H. and M. C. Thomas. 1994. *Metamasius callizona* (Chevrolat) (Coleoptera: Curculionidae) an immigrant pest, destroys bromeliads in Florida. *The Canadian Entomologist* 126: 673-682.
- Franks, S. J., A. M. Kral, and P. D. Pratt. 2006. Herbivory by introduced insects reduces growth and survival of *Melaleuca quinquenervia* seedlings. *Environmental Entomology* 35: 366-372.
- Frazer, B. D., N. Gilbert, V. Nealis, and D. A. Raworth. 1981. Control of aphid density by a complex of predators. *The Canadian Entomologist* 113: 1035-1041.
- Freckleton, R. P., A. R. Watkinson, R. E. Green, W. J. Sutherland. 2006. Census error and the detection of density dependence. *Journal of Animal Ecology* 75: 837-851.
- Freeland, J. R. 2005. *Molecular Ecology*, Wiley, Chichester, United Kingdom.
- Freeland, W. J. 1985. The need to control cane toads. *Search* 16: 211-215.

- French, N. M., D. C. Heim, and G. G. Kennedy. 1992. Insecticide resistance patterns among Colorado potato beetle, *Leptinotarsa decemlineata* (Say) (Coleoptera: Chrysomelidae), populations in North Carolina. *Pesticide Science* 36: 95-100.
- Frick, K. E. 1974. Biological control of weeds: introduction , history, theoretical and practical applications, pp. 204-223. In: Maxwell, F. G. and F. A. Harris (eds.). *Proceedings of the Summer Institute on Biological Control of Plants, Insects and Diseases*. University of Mississippi, Jackson, Mississippi, USA.
- Frick, K. E. and J. M. Chandler. 1978. Augmenting the moth (*Bactra verutana*) in field plots for early-season suppression of purple nutsedge (*Cyperus rotundus*). *Weed Science* 26: 703-710.
- Frick, K. E. and P. C. Quimby, Jr. 1977. Biocontrol of purple nutsedge by *Bactra verutana* Zeller in a greenhouse. *Weed Science* 25: 13-17.
- Friedman, M. J. 1990. Commercial production and development, pp. 153-172. In: Gaugler, R. and H. Kaya (eds.). *Entomopathogenic Nematodes in Biological Control*. CRC Press, Inc., Boca Raton, Florida, USA.
- Friese, D. D., B. Megevand, and J. S. Yaninek. 1987. Culture maintenance and mass production of exotic phytoseiids. *Insect Science and its Application* 8: 875-878.
- Fritts, T. H. and G. H. Rodda. 1998. The role of introduced species in the degradation of island ecosystems: a case history of Guam. *Annual Review of Ecology and Systematics* 29: 113-140.
- Fritts, T. H., M. W. Fall, and W. B. Jackson. 2002. Economic costs of electrical system instability and power outages caused by snakes on the island of Guam. *International Biodeterioration and Biodegradation* 49: 93-100.
- Froud, K. J. and P. S. Stevens. 1997. Life table comparison between the parasitoid *Thripobius semiluteus* and its host greenhouse thrips, pp. 232-235. In: O'Callaghan, M. (ed.). *Proceedings of the Fiftieth New Zealand Plant Protection Conference. Lincoln University, Canterbury, New Zealand, August 18-21, 1997*. New Zealand Plant Protection Society, Auckland, New Zealand.
- Fry, J. M. (compiler). 1989. *Natural Enemy Databank, 1987. A Catalogue of Natural Enemies of Arthropods Derived from Records in CIBC Natural Enemy Databank*. Commonwealth Agricultural Bureaux. Wallingford, United Kingdom.
- Fuxa, J. R. 1990. New directions for insect control with baculoviruses, pp. 97-113. In: Baker, R. R. and P. E. Dunn (eds.). *New Directions in Biological Control: Alternatives for Suppressing Agricultural Pests and Diseases*. Alan R. Liss, Inc., New York.
- Fuxa, J. R. and Y. Tanada (eds.). 1987. *Epizootiology of Insect Diseases*. John Wiley and Sons, New York.
- Gabarra, R., J. Arno, O. Alomar, and R. Albajes. 1999. Naturally occurring populations of *Encarsia pergandiella* (Hymenoptera: Aphelinidae) in tomato greenhouses. *Bulletin OILB/SROP* 22 (1): 85-88.
- Gage, S. H. and D. L. Haynes. 1975. Emergence under natural and manipulated conditions of *Tetrastichus julis*, an introduced larval parasite of the cereal leaf beetle, with reference to regional population management. *Environmental Entomology* 4: 425-435.

- Gallardo, F., D. J. Boethel, J. R. Fuxa, and A. Richter. 1990. Susceptibility of *Heliothis zea* (Boddie) larvae to *Nomuraea rileyi* (Farlow) Samson: Effects of alpha-tomatine at the third trophic level. *Journal of Chemical Ecology* 16: 1751-1759.
- Gaponyuk, I. L. and E. A. Asriev. 1986. *Metaseiulus occidentalis* in vineyards. *Zashchita Rastenii* 8: 22-23 (in Russian).
- Gaskin, J. F. 2003. Molecular systematics and the control of invasive plants: a case study of *Tamarix* (Tamaricaceae). *Annals of the Missouri Botanical Garden* 90(1): 109-118.
- Gasperi, G., M. Bonizzoni, L. M. Gomulski, V. Murelli, C. Torti, A. R. Malacrida, and C. R. Guglielmino. 2002. Genetic differentiation, gene flow and the origin of infestations of the Medfly, *Ceratitis capitata*. *Genetica* 116: 125-135.
- Gassmann, A. and L.-T. Kok. 2002. Musk thistle (nodding thistle), pp. 229-245. In: Van Driesche, R. G., B. Blossey, M. Hoddle, S. Lyon, and R. Reardon (eds.). *Biological Control of Invasive Plants in the Eastern United States*. FHTET-2002-04, United States Department of Agriculture, Forest Service, Morgantown, West Virginia, USA.
- Gaugler, R. and G. M. Boush. 1979. Nonsusceptibility of rats to the entomogenous nematode *Neoaplectana carpcapsae*. *Environmental Entomology* 8: 658-660.
- Gaugler, R. and H. K. Kaya (eds.). 1990. *Entomopathogenic Nematodes in Biological Control*. CRC Press Inc., Boca Raton, Florida, USA.
- Gaugler, R., J. F. Campbell, and T. R. McGuire. 1989. Selection for host-finding in *Steinernema feltiae*. *Journal of Invertebrate Pathology* 54: 363-372.
- Gauld, I. and B. Bolton (eds.). 1988. *The Hymenoptera*. Oxford University Press. Oxford, United Kingdom.
- Gautam, R. D. 2003. Classical biological control of pink hibiscus mealybug, *Maconellicoccus hirsutus* Green in the Caribbean. *Plant Protection Bulletin (Faridabad)* 55(1/2): 1-8.
- Geden, C. J. 1999. Host location by house fly (Diptera: Muscidae) parasitoids in poultry manure at different moisture levels and host densities. *Environmental Entomology* 28: 755-760.
- Geden, C. J. 2002. Effect of habitat depth on host location by five species of parasitoids (Hymenoptera: Pteromalidae, Chalcididae) of house flies (Diptera: Muscidae) in three types of substrate. *Environmental Entomology* 31: 411-417.
- Geden, C. J. and J. A. Hogsette. 2006. Suppression of house flies (Diptera: Muscidae) in Florida poultry houses by sustained releases of *Muscidifurax raptorellus* and *Spalangia cameroni* (Hymenoptera: Pteromalidae). *Environmental Entomology* 35: 75-82.
- Geden, C. J., D. A. Rutz, R. W. Miller, and D. C. Steinkraus. 1992. Suppression of house flies (Diptera: Muscidae) on New York and Maryland dairies using releases of *Muscidifurax raptor* (Hymenoptera: Pteromalidae) in an integrated management program. *Environmental Entomology* 21: 1419-1426.
- Gelernter, W. D. 1992. Application of biotechnology for improvement of *Bacillus thuringiensis* based on products and their use for control of lepidopteran pests in the Caribbean. *Florida Entomologist* 75: 484-493.
- Genini, M. and M. Baillod. 1987. Introduction de souches resitantes de *Typhlodromus pyri* (Scheuten) et *Amblyseius andersoni* Chant (Acari: Phytoseiidae) en vergers de pommiers. *Revue Suisse Viticulture, Arboriculture, et Horticulture* 19: 115-123.

- Genton, B. J., P. M. Kotanen, P.-O. Cheptou, C. Adolphe, and J.A. Shykoff. 2005. Enemy release but no evolutionary loss of defence in a plant invasion: an inter-continental reciprocal transplant experiment. *Oecologia* 146: 404-414.
- Georghiou, G. and A. Legunes-Tejeda, 1991. *The Occurrence of Resistance to Pesticides in Arthropods*. Food and Agriculture Organization of the United Nations, Rome, Italy.
- Georgis, R. 1990. Formulation and application technology, pp. 173-191. In: Gaugler, R. and H. Kaya (eds.). *Entomopathogenic Nematodes in Biological Control*. CRC Press, Inc., Boca Raton, Florida, USA.
- Georgis, R., H. K. Kaya, and R. Gaugler. 1991. Effect of steinernematid and heterorhabditid nematodes (Rhabditida: Steinernematidae and Heterorhabditidae) on nontarget arthropods. *Environmental Entomology* 20: 815-822.
- Georgis, R., A. M. Koppenhöfer, L. A. Lacey, G. Bélair, L. W. Duncan, P. S. Grewal, M. Samish, L. Tan, P. Torr, and R. W. H. M. van Tol. 2006. Successes and failures in the use of parasitic nematodes for pest control. *Biological Control* 38: 103-123.
- Gerlach, J. 2001. Predator, prey, and pathogen interactions in introduced snail populations. *Animal Conservation* 4: 203-209.
- Gerling, D., B. D. Roitberg., and M. Mackauer. 1988. Behavioral defense mechanisms of the pea aphid, pp. 55-56. In: Anon. *Parasitoid Insects*, European Workshop, *Colloques de l'INRA* No. 48. Lyon, France, 7-10 September 1987.
- Gerson, U. 1992. Perspectives of non-phytoseiid predators for the biological control of plant pests. *Experimental and Applied Acarology* 14: 383-391.
- Gerson, U. and E. Cohen. 1989. Resurgences of spider mites (Acari: Tetranychidae) induced by synthetic pyrethroids. *Experimental and Applied Acarology* 6: 29-46.
- Gerson, U. and R. L. Smiley. 1990. *Acarine Biocontrol Agents, an Illustrated Key and Manual*. Chapman and Hall, New York.
- Gibb, J. A. 1962. Tinbergen's hypothesis of the role of specific searching images. *Ibis* 104: 106-111.
- Gibb, J. A. and J. M. Williams. 1994. The rabbit in New Zealand, pp. 158-204. In: Thompson, H. V. and C. M. King (eds.). *The European Rabbit, the History and Biology of a Successful Colonizer*. Oxford University Press, Oxford, United Kingdom. 245 pp.
- Giblin-Davis, R. M., S. J. Scheffer, K. A. Davies, G. S. Taylor, J. Curole, T. D. Center, J. Goolsby, and W. K. Thomas. 2003. Coevolution between *Fergusobia* and *Fergusonina* mutualists. *Nematology Monographs and Perspectives* 2: 407-417.
- Giboda, M., E. A. Malek, and R. Correa. 1997. Human schistosomiasis in Puerto Rico: reduced prevalence rate and absence of *Biomphalaria glabrata*. *American Journal of Tropical Medicine and Hygiene* 57: 564-568.
- Gibson, A. P., J. T. Huber, and J. B. Woolley (eds.). 1997. *Annotated Keys to the Genera of Nearctic Chalcidoidea (Hymenoptera)*. NRC Research Press, Ottawa, Ontario, Canada.
- Gilbert, L. E. and L. W. Morrison. 1997. Patterns of host specificity in *Pseudacteon* parasitoid flies (Diptera: Phoridae) that attack *Solenopsis* fire ants (Hymenoptera: Formicidae). *Environmental Entomology* 26: 1149-1154.

- Gilkeson, L. A. 1990. Cold storage of the predatory mite *Aphidoletes aphidimyza* (Diptera: Cecidomyiidae). *Journal of Economic Entomology* 83: 965-970.
- Gilkeson, L. A. 1991. State of the art: Biological control in greenhouses, pp. 3-8. In: McClay, A. S. (ed.). *Proceedings of the Workshop on Biological Control of Pests in Canada*, October 11-12, 1990. Calgary, Alberta, Alberta Environmental Centre, Vegreville, Alberta, Canada, AECV91-P1.
- Gilkeson, L. A. 1992. Mass rearing of phytoseiid mites for testing and commercial applications, pp. 489-506. In: Anderson, T. E. and N. C. Leppla (eds.). *Advances in Insect Rearing for Research and Pest Management*. Westview Press. Boulder, Colorado, USA.
- Gilkeson, L. A. and S. B. Hill. 1986. Genetic selection for and evaluation of nondiapause lines of the predatory midge *Aphidoletes aphidimyza* (Rondani) (Diptera: Cecidomyiidae). *The Canadian Entomologist* 118: 867-879.
- Gilkeson, L. A., J. P. McLean, and P. Dessart. 1993. *Aphanogmus fulmeki* Ashmead (Hymenoptera: Ceraphronidae), a parasitoid of *Aphidoletes aphidimyza* (Rondani) (Diptera: Cecidomyiidae). *The Canadian Entomologist* 125: 161-162.
- Gill, S. S., E. A. Cowles, and P. V. Pietrantonio. 1992. The mode of action of *Bacillus thuringiensis* endotoxins. *Annual Review of Entomology* 37: 615-636.
- Gillespie, A. T. 1988. Use of fungi to control pests of agricultural importance, pp. 37-60. In: Burge, M. N. (ed.). 1988. *Fungi in Biological Control Systems*. Manchester University Press, Manchester, United Kingdom.
- Gillespie, D. R. and C. A. Ramey. 1988. Life history and cold storage of *Amblyseius cucumeris* (Acarina: Phytoseiidae). *Journal of the Entomological Society of British Columbia* 85: 71-76.
- Gillespie, J. J., J. B. Munro, J. M. Heraty, M. J. Yoder, A. K. Owen, and A. E. Carmichael. 2005. A secondary structural model of the 28S rRNA expansion segments D2 and D3 for chalcidoid wasps (Hymenoptera : Chalcidoidea). *Molecular Biology and Evolution* 22: 1593-1608.
- Gillock, H. H. and F. P. Hain. 2001/2002. A historical overview of North American gypsy moth controls, chemical and biological, with emphasis on the pathogenic fungus, *Entomophaga maimaiga*. *Reviews in Toxicology* 4: 105-128.
- Gilreath, M. E. and J. W. Smith, Jr. 1988. Natural enemies of *Dactylopius confusus* (Homoptera: Dactylopiidae): exclusion and subsequent impact on *Opuntia* (Cactaceae). *Environmental Entomology* 17: 730-738.
- Gilstrap, F. E. 1988. Sorghum-corn-Johnsongrass and Banks grass mite: a model for biological control in field crops, pp. 141-158. In: Harris, M. K. and C. E. Rogers (eds.). *The Entomology of Indigenous and Naturalized Systems in Agriculture*. Westview Press, Boulder, Colorado, USA
- Gilstrap, F. E., K. R. Summy, and D. D. Friese. 1979. The temporal phenology of *Amblyseius scyphus*, a natural predator of Banks grass mite in west Texas. *The Southwestern Entomologist* 4: 27-34.
- Girolami, V., E. Borella, A. Di Bernardo, and V. Malagnini. 2000. Positive influence on phytoseiid mites of allowing the grassy interrow to flower. *Informatore Agrario* 56: 71-73 (in Italian).
- Glare, T. R. and M. O'Callaghan. 2000. *Bacillus thuringiensis: Biology, Ecology, and Safety*. J. Wiley and Sons, Chichester, United Kingdom.

- Glaser, R. W., E. E. McCoy, and H. B. Girth. 1940. The biology and economic importance of a nematode parasitic in insects. *Journal of Parasitology* 26: 479-495.
- Glazer, I., L. Salame, and D. Segal. 1997. Genetic enhancement of nematicide resistance in entomopathogenic nematodes. *Biocontrol Science and Technology* 7: 499-512.
- Gnanvossou, D., R. Hanna, J. S. Yaninek, and M. Toko. 2005. Comparison of life history traits of three neotropical phytoseiid mites maintained on plant-based diets. *Biological Control* 35: 32-39.
- Goddard, J. H. R., M. E. Torchin, A. M. Kuris, and K. D. Lafferty. 2005. Host specificity of *Sacculina carcini*, a potential biological control agent of the introduced European green crab *Carcinus maenas* in California. *Biological Invasions* 7: 895-912.
- Godfray, H. C. J. 1994. *Parasitoids: Behavioural and Evolutionary Ecology*. Princeton University Press, Princeton, New Jersey, USA.
- Godfray, H. C. J. and M. P. Hassell. 1988. The population biology of insect parasitoids. *Science Progress* 72: 531-548.
- Godfray, H. C. J. and J. K. Waage. 1991. Predictive modeling in biological control: the mango mealybug (*Rastrococcus invadens*) and its parasitoids. *Journal of Applied Ecology* 28: 434-453.
- Godfrey, K. E., W. H. Whitcomb, and J. L. Stimac. 1989. Arthropod predators of velvetbean caterpillar, *Anticarsia gemmatalis* Hübner (Lepidoptera: Noctuidae), eggs and larvae. *Environmental Entomology* 18: 118-123.
- Goeden, R. D. 1971. The phytophagous insect fauna of milk thistle in southern California. *Journal of Economic Entomology* 64: 1101-1104.
- Goeden, R. D. 1974. Comparative survey of the phytophagous insect faunas of Italian thistle, *Carduus pycnocephalus*, in southern California and southern Europe relative to biological weed control. *Environmental Entomology* 3: 464-474.
- Goeden, R. D. 1978. Part II. Biological control of weeds, pp. 357-414. In: Clausen, C. P.(ed.). 1978. *Introduced Parasitoids and Predators of Arthropd Pests and Weeds: A World Review*. Agricultural Handbook No. 480. United States Department of Agriculture, Washington, D.C.
- Goeden, R. D. 1983. Critique and revision of Harris' scoring system for selection of insect agents in biological control of weeds. *Protection Ecology* 5: 287-301.
- Goeden, R. D. and L. T. Kok. 1986. Comments on a proposed "new" approach for selecting agents for the biological control of weeds. *The Canadian Entomologist* 118: 51-58.
- Goeden, R. D. and S. M. Louda. 1976. Biotic interference with insects imported for weed control. *Annual Review of Entomology* 21: 325-342.
- Goeden, R. D. and D. W. Ricker. 1968. The phytophagous insect fauna of Russian thistle (*Salsola kali* var. *tenuifolia*) in southern California. *Annals of the Entomological Society of America* 61: 67-72.
- Goettel, M. S., R. J. S. Leger, S. Bhairi, M. K. Jung, B. R. Oakley, D. W. Roberts, and R. C. Staples. 1990. Pathogenicity and growth of *Metarhizium anisopliae* stably transformed to benomyl resistance. *Current Genetics* 17: 129-132.

- Goh, K. S., R. C. Berberet, L. J. Young, and K. E. Conway. 1989. Mortality of *Hypera postica* (Coleoptera: Curculionidae) in Oklahoma caused by *Erynia phytonomi* (Zygomycetes: Entomophthorales). *Environmental Entomology* 18: 964-969.
- Goldberg, L. F. and J. Margalit. 1977. A bacterial spore demonstrating rapid larvicidal activity against *Anopheles sergentii*, *Uranotaenia unguiculata*, *Culex univittatus*, *Aedes aegypti*, and *Culex pipiens*. *Mosquito News* 37: 317-324.
- Goldschmidt, T. 1996. *Darwin's Dreampond: Drama in Lake Victoria*. MIT Press, Cambridge, Massachusetts, USA.
- Goldson, S. L., M. R. McNeill, C. B. Phillips, and J. R. Proffitt. 1992. Host specificity testing and suitability of the parasitoid *Microctonus hyperodae* (Hym.: Braconidae, Euphorinae) as a biological control agent of *Listronotus bonariensis* (Col.: Curculionidae) in New Zealand. *Entomophaga* 37: 483-498.
- Goldson, S. L., J. R. Proffitt, and N. D. Barlow. 1993. *Sitona discoideus* (Gyllenhal) and its parasitoid *Microctonus aethiopoidea* Loan: a case study in successful biological control, pp. 236-239. In: Corey, S. A., D. J. Dall, and W. M. Milne (eds.). *Pest Control and Sustainable Agriculture*. CSIRO, Melbourne, Australia.
- Goldson, S. L., M. R. McNeill, J. R. Proffitt, and B. I. P. Barrat. 2005. Host specificity testing and suitability of a European biotype of the braconid parasitoid *Microctonus aethiopoidea* as a biological control agent against *Sitona lepidus* (Coleoptera: Curculionidae) in New Zealand. *Biocontrol Science and Technology* 15: 791-813.
- Godfray, H. C. and S. W. Pacala. 1992. Aggregation and the population dynamics of parasitoids and predators. *The American Naturalist* 140: 30-40.
- Godfray, H. C. J. and J. K. Waage 1991 Predictive modelling in biological control: The mango mealybug (*Rastrococcus invadens*) and its parasitoids. *Journal of Applied Ecology* 28:434-453).
- Gollasch, S. 2002. The importance of ship hull fouling as a vector of species introductions into the North Sea. *Biofouling* 18: 105-121
- González, D. and F. E. Gilstrap. 1992. Foreign exploration: assessing and prioritizing natural enemies and consequences of pre-introduction studies, pp. 53-70. In: Kauffman, W. C. and J. E. Nechols (eds.). *Selection Criteria and Ecological Consequences of Importing Natural Enemies*. Proceedings Thomas Say Publications in Entomology, Entomological Society of America, Lanham Maryland.
- González-Hernandez, H., M. W. Johnson, and N. J. Reimer. 1999. Impact of *Pheidole megacephala* (F.) (Hymenoptera: Formicidae) on the biological control of *Dysmicoccus brevipes* (Cockerell) (Homoptera: Pseudococcidae). *Biological Control* 15: 145-152.
- Goodsell, J. A. and L. B. Kats. 1999. Effect of introduced mosquitofish on Pacific treefrogs and the role of alternative prey. *Conservation Biology* 13: 921-924.
- Goolsby, J. A. 2004. Potential distribution of the invasive old world climbing fern, *Lygodium microphyllum*, in North and South America. *Natural Areas Journal* 24: 351-353.
- Goolsby, J. A. 2007. Epilogue, In: Gould, J. J. Goolsby, and K. Hoelmer (eds.). *Classical Biological Control of Bemisia tabaci (Biotype B): A of the Interagency Research and Implementation Program in the United States, 1992-2001*. USDA-ARS. In press

- Goolsby, J. A., M. A. Ciomperlik, B. C. Legaspi, Jr., J. C. Legaspi, and L. E. Wendel. 1998. Laboratory and field evaluation of exotic parasitoids of *Bemisia tabaci* (Gennadius) (Biotype 'B') (Homoptera: Aleyrodidae) in the lower Rio Grande Valley of Texas. *Biological Control* 12: 127-135.
- Goolsby, J. A., M. A. Ciomperlik, A. A. Kirk, W. A. Jones, B. C. Legaspi, Jr., J. C. Legaspi, R. A. Ruiz, D. C. Vacek, and L. E. Wendel. 1999. Predictive and empirical evaluation for parasitoids of *Bemisia tabaci* (Biotype 'B'), based on morphological and molecular systematics, pp. 347-358. In: Austin, A. D. and M. Dowton (eds.). *Hymenoptera: Evolution, Biodiversity, and Biological Control*. CSIRO Publishing, Collingwood, Australia.
- Goolsby, J. A., J. Makinson, and M. Purcell. 2000a. Seasonal phenology of the gall-making fly *Fergusonina* sp. (Diptera: Fergusoninidae) and its implications for biological control of *Melanuca quinquenervia*. *Australian Journal of Entomology* 39: 336-343.
- Goolsby, J. A., M. Rose, R. K. Morrison, and J. B. Woolley. 2000b. Augmentative biological control of longtailed mealybug by *Chrysoperla rufilabris* (Burmeister) in the interior plantscape. *Southwestern Entomologist* 25: 15-19.
- Goolsby, J. A., R. Zonneveld, and A. Bourne. 2004a. Prerelease assessment of impact on biomass production of an invasive weed, *Lygodium microphyllum* (Lygodiaceae: Pteridophyta), by a potential biological control agent, *Floracarus perrepae* (Acariformes: Eriophyidae). *Environmental Entomology* 33: 997-1002.
- Goolsby, J. A., J. R. Makinson, D. M. Hartley, R. Zonneveld, and A. D. Wright. 2004b. Pre-release evaluation and host-range testing of *Floracarus perrepae* (Eriophyidae) genotypes for biological control of Old World climbing fern, pp. 113-116. In: J. M. Cullen, D. T. Briese, D. J. Kriticos, W. M. Lonsdale, L. Morin, and J. K. Scott. *Proceedings of the XIth International Symposium on Biological Control of Weeds*, 27 April-2 May 2003, Canberra, Australia. CSIRO Entomology, Canberra, Australia.
- Goolsby J. A., P. J. DeBarro, A. A. Kirk, R. W. Sutherst, L. Canas, M. A. Ciomperlik, P. C. Ellsworth, J. R. Gould, D. M. Hartley, K. A. Hoelmer, S. E. Naranjo, M. Rose, W. J. Roltsch, R. A. Ruiz, C. H. Pickett, and D. C. Vacek. 2005a. Post-release evaluation of biological control of *Bemisia tabaci* biotype "b" in the USA and the development of predictive tools to guide introductions for other countries. *Biological Control* 32: 70-77.
- Goolsby, J. A., R. W. Alexander Jesudasan, H. Jourdan, B. Muthuraj, A. S. Bourne, and R. W. Pemberton. 2005b. Continental comparisons of the interaction between climate and the herbivorous mite, *Floracarus perrepae* (Acari: Eriophyidae). *Florida Entomologist* 88: 129-134.
- Goolsby, J. A., R. Zonneveld, J. R. Makinson, and R. W. Pemberton. 2005. Host-range and cold temperature tolerance of *Floracarus perrepae* Knihinicki and Boczek (Acari: Eriophyidae), a potential biological-control agent of *Lygodium microphyllum* (Pteridophyta: Lygodiaceae). *Australian Journal of Entomology* 44: 321-330.
- Goolsby, J. A., R. D. van Klinken, and W. A. Palmer. 2006a. Maximising the contribution of native-range studies towards the identification and prioritization of weed biocontrol agents. *Australian Journal of Entomology* 45: 276-285.
- Goolsby, J. A., P. J. DeBarro, J. R. Makinson, R. W. Pemberton, D. M. Hartley, and D. R. Frohlich. 2006b. Matching the origin of an invasive weed for selection of a herbivore haplotype for a biological control programme. *Molecular Ecology* 15: 287-297.

- Goolsby, J.A. (2007) Epilogue. In: Gould, J., Goolsby, J.J., and Hoelmer, K. (eds.), Classical Biological Control of Bemisia tabaci (Biotype B): A of the Interagency Research and Implementation Program in the United States, 1992-2001. USDA-ARS, New Orleans, LA, USA. (in press).
- Gordh, G. 1977. Biosystematics of natural enemies, pp. 125-148. In: Ridgeway, R. L. and S. B. Vinson (eds.). *Biological Control by Augmentation of Natural Enemies*. Plenum Press, New York and London.
- Gordon, D. R. 1998. Effects of invasive, non-indigenous plant species on ecosystem processes: lessons from Florida. *Ecological Applications* 8: 975-989.
- Gould, A. R., J. A. Kattenbelt, C. Lenghaus, C. Morrissy, T. Chamberlain, B. J. Collins, and H. A. Westbury. 1997. The complete nucleotide sequence of rabbit haemorrhagic disease virus (Czech strain C V351): use of the polymerase chain reaction to detect replication in Australian vertebrates and analysis of viral population sequence variation. *Virus Research* 47: 7-17.
- Gould, J. R., J. S. Elkinton, and W. E. Wallner. 1990. Density-dependent suppression of experimentally created gypsy moth, *Lymantria dispar* (Lepidoptera: Lymantriidae), populations by natural enemies. *Journal of Animal Ecology* 59: 213-233.
- Gould, J. R., T. S. Bellows, and T. D. Paine. 1992. Evaluation of biological control of *Siphoninus phillyreae* (Haliday) by the parasitoid *Encarsia partenopea* (Walker), using life-table analysis. *Biological Control* 2: 257-265.
- Gould, J. R., T. S. Bellows, Jr., and T. D. Paine. 1992a. Population dynamics of *Siphoninus phillyreae* in California in the presence and absence of a parasitoid, *Encarsia partenopea*. *Ecological Entomology* 17: 127-134.
- Gould, J. R., T. S. Bellows, Jr., and T. D. Paine. 1992b. Evaluation of biological control of *Siphoninus phillyreae* (Haliday) by the parasitoid *Encarsia partenopea* (Walker), using life table analysis. *Biological Control* 2: 257-265.
- Goulet, H. and J. T. Huber (eds.). 1993. *Hymenoptera of the World: An Identification Guide to the Families*. Canada Communications Group, Ottawa, Ontario, Canada
- Gozlan, S., P. Millot, A. Rousset, and D. Fournier. 1997. Test of the RAPD-PCR method to evaluate the efficacy of augmentative biological control with *Orius* (Het., Anthocoridae). *Entomophaga* 42: 593-604.
- Grafton-Cardwell, E. E. and Y. Ouyang. 1995. Manipulation of the predacious mite, *Euseius tularensis* (Acari: Phytoseiidae), with pruning for citrus thrips control, pp. 251-254. In: Parker, B. L., M. Skinner, and T. Lewis (eds.). *Thrips Biology and Management: Proceedings of the 1993 International Conference on Thysanoptera*. Plenum Publishing Co. Ltd., London.
- Grafton-Cardwell, E. E. and P. Gu. 2003. Conserving vedalia beetle, *Rodolia cardinalis* (Mulsant) (Coleoptera: Coccinellidae), in citrus: a continuing challenge as new insecticides gain registration. *Journal of Economic Entomology* 96: 1388-1398.
- Grafton-Cardwell, E.E. and M. A. Hoy. 1985. Intraspecific variability in response to pesticides in the common green lacewing, *Chrysoperla carnea* (Stephens) (Neuroptera: Chrysopidae). *Hilgardia* 53 (6): 32 pp.
- Grafton-Cardwell, E.E. and Y. Ouyang. 1996. Influence of citrus leaf nutrition on survivorship, sex ratio, and reproduction of *Euseius tularensis* (Acari: Phytoseiidae). *Environmental Entomology* 25: 1020-1025.

- Grafton-Cardwell, E. E., Y. Ouyang, and R. L. Bugg. 1999. Leguminous cover crops to enhance population development of *Euseius tularensis* (Acari: Phytoseiidae) in citrus. *Biological Control* 16: 73-80.
- Graham, F., Jr. 1970. *Since Silent Spring*. Houghton Mifflin Co., Boston, Massachusetts, USA.
- Granados, R. R. and B. A. Federici (eds.). 1986. *The Biology of Baculoviruses: Volume I. Biological Properties and Molecular Biology and Volume II. Practical Application for Insect Control*. CRC Press, Inc., Boca Raton, Florida, USA.
- Granados, R. R., K. G. Dwyer, and A. C. G. Derksen. 1987. Production of viral agents in invertebrate cell cultures, pp. 167-181. *In: Maramorosch, K. (ed.). Biotechnology in Invertebrate Pathology and Cell Culture*. Academic Press, San Diego, California, USA.
- Grandgirard, J., J.N. Petit, M. S. Hoddle, G. K. Roderick, and N. Davies. 2006. Successful biocontrol of (Hemiptera: Cicadellidae) in French Polynesia, pp. 145-147. *In: Hoddle, M. S., and M. Johnson (eds.). The Fifth California Conference on Biological Control, July 25-27, Riverside, California*. University of California, Riverside, California, USA.
- Grapputo, A., S. Boman, L. Lindstrom, A. Lyytinen, and J. Mappes. 2005. The voyage of an invasive species across continents: genetic diversity of North American and European Colorado potato beetle populations. *Molecular Ecology* 14: 4207-4219.
- Gravena, S. and W. L. Sterling. 1983. Natural predation on the cotton leafworm (Lepidoptera: Noctuidae). *Journal of Economic Entomology* 76: 779-784.
- Gray, A. 2004. Genetically modified crops: broader environmental issues. *Journal of Commercial Biotechnology* 10 (3): 234-240.
- Greany, P. D. and E. R. Oatman. 1972. Demonstration of host discrimination in the parasite *Orgilus lepidus* (Hymenoptera: Braconidae). *Annals of the Entomological Society of America* 65: 375-376.
- Greany, P. D., J. H. Tumlinson, D. L. Chambers, and G. M. Bousch. 1977. Chemically-mediated host finding by *Biosteres (Opus) longicaudatus*, a parasitoid of tephritid fruit fly larvae. *Journal of Chemical Ecology* 3: 189-195.
- Greathead, D. J. 1968. Biological control of lantana – a review and discussion of recent developments in East Africa. *Pest Articles and News Summaries*, Section C 14: 167-175.
- Greathead, D. J. 1986a. Parasitoids in classical biological control, pp. 289-318. *In: Waage, J. and D. Greathead (eds.). Insect Parasitoids*. Academic Press, London.
- Greathead, D. G. 1986b. Opportunities for biological control of insect pests in tropical Africa. *Revue d'Zoologie Africaine* 100: 85-96.
- Greathead, D. J. and A. H. Greathead. 1992. Biological control of insect pests by parasitoids and predators: the BIOCAT database. *Biocontrol News and Information* 13 (4): 61N-68N.
- Green, D. S. 1984. A proposed origin of the coffee leaf-miner, *Leucoptera coffeella* (Guérin-Méneville) (Lepidoptera: Lyonetiidae). *Bulletin of the Entomological Society of America*. Spring issue, pp. 30-31.
- Greenberg, S. M., R. K. Morrison, D. A. Nordlund, and E. G. King. 1998. A review of the scientific literature and methods for production of factitious hosts for use in mass rearing of *Trichogramma* spp. (Hymenoptera: Trichogrammatidae) in the former Soviet Union, the United States, Western Europe, and China. *Journal of Entomological Science* 33: 15-32.

- Greenstone, M. H. 1996. Serological analysis of arthropod predation: past, present, and future, pp. 265- 300. *In*: Symondson, W. O. C. and J. E. Liddell (eds.). *The Ecology of Agricultural Pests*. Chapman and Hall, London.
- Greenstone, M. H. 1999. Spider predation: How and why we study it. *Journal of Arachnology* 27: 333-342.
- Greenstone, M. H. 2006. Molecular methods for assessing insect parasitism. *Bulletin of Entomological Research* 96: 1-13.
- Greenstone, M. H., D. L. Rowley, U. Heimbach, J. G. Lundgren, R. S. Pfannenstiel, and S. A. Rehner. 2005. Barcoding generalist predators by polymerase chain reaction: carabids and spiders. *Molecular Ecology* 14: 3247-3266.
- Gregg, D. A., C. House, R. Myer, and M. Berninger. 1991. Viral haemorrhagic disease of rabbits in Mexico: epidemiology and viral characterization. *Revue Scientifique et Technique Office International des Epizooties* 10: 435-451.
- Grenier, S. 1988. Applied biological control with tachinid flies (Diptera: Tachinidae): A review. *Anzeiger für Schädlingskunde, Pflanzenschutz, Umweltschutz* 61: 49-56.
- Grevstad, F. S. 1999a. Factors influencing the chance of population establishment: Implications for release strategies in biocontrol. *Ecological Applications* 9: 1439-1447.
- Grevstad, F. S. 1999b. Experimental invasions using biological control introductions: The influence of release size on the chance of population establishment. *Biological Invasions* 1:313-323.
- Grevstad, F. S., and A. L. Herzig. 1997. Quantifying the effects of distance and conspecifics on colonization: experiments and models using the loosestrife leaf beetle, *Galerucella californiensis*. *Oecologia* 110: 60-68.
- Grevstad, F. S. and B. W. Klepetka. 1992. The influence of plant architecture on the foraging efficiencies of a suite of ladybird beetles feeding on aphids. *Oecologia* 92: 399-404.
- Grewal, P. S., R. Gaugler, and S. Selvan. 1993. Host recognition by entomopathogenic nematodes: behavioral response to contact with host feces. *Journal of Chemical Ecology* 19: 1219-1231.
- Grewal, P. S., R. U. Ehlers, D. I. Shapiro-Ilan (eds.). 2005. *Nematodes as Biocontrol Agents*. CABI Publishing, Wallingford, United Kingdom.
- Grewal, P. S., S. Bornstein-Forst, A. M. Burnell, I. Glazer, and G. B. Jagdale. 2006. Physiological, genetic, and molecular mechanisms of chemoreception, thermobiosis, and anhydrobiosis in entomopathogenic nematodes. *Biological Control* 38: 54-65.
- Grissell, E. E. and M. E. Schauff. 1990. *A Handbook of the Families of Nearctic Chalcidoidea (Hymenoptera)*. Entomological Society of America, Washington, D.C.
- Grkovic, S., M. O'Callaghan, and H. K. Mahanty. 1995. Characterization of *Serratia entomophila* bacteriophages and the phage-resistant mutant strain BC4B. *Applied and Environmental Microbiology* 61: 4160-4166.
- Groenewould, G. C. M., C. de G. in 't Veld, A. J. van Oorschot-van Nes, N. W. de Jong, A. M. Vermeulen, A. W. van Toorenenbergen, A. Burdorf, H. de Groot, and R. G. van Wijk. 2002. Prevalence of sensitization to the predatory mite *Amblyseius cucumeris* as a new occupational allergen in horticulture. *Allergy* 57: 614-619.

- Groote, H. de, O. Ajuonu, S. Attignon, R. Djessou, and P. Neuenschwander. 2003. Economic impact of biological control of water hyacinth in southern Benin. *Ecological Economics* 45: 105-117.
- Grosholz, E. D. and G. M. Ruiz. 1996. Predicting the impact of introduced marine species: lessons from the multiple invasions of the European green crab, *Carcinus maenas*. *Biological Conservation* 78: 59-66.
- Grosholz, E. D., G. M. Ruiz, C. A. Dean, K. A. Shirley, J. L. Maron, and P. G. Connors. 2000. The implications of a nonindigenous marine predator in a California bay. *Ecology* 81: 1206-1224.
- Gross, P. 1991. Influence of target pest feeding niche on success rates in classical biological control. *Environmental Entomology* 20: 1217-1227.
- Gross, P. 1993. Insect behavioral and morphological defenses against parasitoids. *Annual Review of Entomology* 28: 251-273.
- Grossman, A. H., M. Breemen, A. van Holtz, A. Pallini, A. M. Rugama, A. Pengel, M. Venzon, J. C. Zanuncio, M. W. Sabelis, and A. Janssen. 2005. Searching behavior of an omnivorous predator for novel and native host plants of its herbivores: a study on arthropod colonization of eucalyptus in Brazil. *Entomologia Experimentalis et Applicata* 116: 135-142.
- Grout, T. G. and G. I. Richards. 1990. The influence of windbreak species on citrus thrips (Thysanoptera: Thripidae) populations and their damage to South African citrus orchards. *Journal of the Entomological Society of South Africa* 53: 151-157.
- Grout, T. G. and G. I. Richards. 1991a. The dietary effect of windbreak pollens on longevity and fecundity of a predaceous mite *Euseius addoensis addoensis* (Acari: Phytoseiidae) found in citrus orchards in South Africa. *Bulletin of Entomological Research* 82: 317-320.
- Grout, T. G. and G. I. Richards. 1991b. Value of pheromone traps for predicting infestations of red scale, *Aonidiella aurantii* (Maskell) (Hom., Diaspididae), limited by natural enemy activity and insecticides used to control citrus thrips, *Scirtothrips aurantii* Faure (Thys., Thripidae). *Journal of Applied Entomology* 111: 20-27.
- Gruner, D.S. 2005. Biotic resistance to an invasive spider conferred by generalist insectivorous birds on Hawaii Island. *Biological Invasions* 7: 541-546
- Gu, W., M. Holland, P. Janssens, R. Seemark, and P. Kerr. 2004. Immune response in rabbit ovaries following infection of a recombinant myxoma virus expressing rabbit zona pellucida protein B. *Virology* 318: 516-523.
- Guerra, A. A. and S. Martinez. 1994. An *in vitro* rearing system for the propagation of the ectoparasitoid *Catolaccus grandis*. *Entomologia Experimentalis et Applicata* 72: 11-16.
- Guerra, A. A., K. M. Robacker, and S. Martinez. 1993. *In vitro* rearing of *Bracon mellitor* and *Catolaccus grandis* with artificial diets devoid of insect components. *Entomologia Experimentalis et Applicata* 68: 303-307
- Guerra, G. P. and M. Kosztarab. 1992. Biosystematics of the family Dactylopiidae (Homoptera: Coccinea) with emphasis on the life cycle of *Dactylopius coccus* Costa. Studies on the Morphology and Systematics of Scale Insects no. 16. Virginia Agricultural Experiment Station, Bulletin no. 92-1. Virginia Polytechnic Institute and State University, Blacksburg, VA.

- Guillet, P., D. C. Kurtak, B. Phillippon, and R. Meyer. 1990, pp. 187-201. Use of *Bacillus thuringiensis israelensis* for onchocerciasis control in West Africa. *In: de Barjac, H. and D. J. Sutherland (eds.). Bacterial Control of Mosquitoes and Black Flies: Biochemistry, Genetics, and Applications of Bacillus thuringiensis israelensis and Bacillus sphaericus.* Rutgers University Press, New Brunswick, New Jersey, USA.
- Gurr, G. M., S. D. Wratten, and M. A. Altieri. 2004. *Ecological Engineering for Pest Management, Advances in Habitat Manipulation for Arthropods.* Cornell University Press, Ithaca, New York, USA.
- Gutierrez, A., P. Neuenschwander, F. Schulthess, H. R. Herren, J. U. Baumgaertner, B. Werme-linger, B. Lohr, and C. K. Ellis. 1988. Analysis of biological control of cassava pests in Africa. II. Cassava mealybug *Phenacoccus manihoti*. *The Journal of Applied Ecology* 25: 921-940
- Gwiazdowski, R. A., R. G. Van Driesche, A. Desnoyers, S. Lyon, S. Wu, N. Kamata, and B. B. Normark. 2006. Possible geographic origin of beech scale, *Cryptococcus fagisuga* (Hemiptera: Eriococcidae), an invasive pest in North America. *Biological Control* 39: 9-18.
- Gyenge, J. E., E. V. Trumper, and J. D. Edelman. 1997. Design of sampling planes of predatory arthropods in alfalfa with fixed precision levels. *CEIBA* 38: 23-28. (in Spanish)
- Hadfield, M. G. and B. Shank Mountain. 1981. A field study of a vanishing species, *Achatinella mustelina* (Gastropoda, Pulmonata), in the Waianae Mountains of Oahu. *Pacific Science* 34: 345-358.
- Hadfield, M. G., S. E. Miller, and A. H. Carwile. 1993. The decimation of endemic Hawai'an tree snails by alien predators. *American Zoologist* 33: 610-622.
- Haenfling, B., G. R. Carvalho, and R. Brandl. 2002. mt-DNA sequences and possible invasion pathways of the Chinese mitten crab. *Marine Ecology Progress Series* 238: 307-310.
- Hagen, K. S. 1964. Nutrition of entomophagous insects and their hosts, pp. 356-380. *In: De-Bach, P. (ed.). Biological Control of Insect Pests and Weeds.* Chapman and Hall, London.
- Hagen, K. S. and R. van den Bosch. 1968. Impact of pathogens, parasites, and predators on aphids. *Annual Review of Entomology* 13: 325-384.
- Hagen, K. S., E. F. Sawall, Jr., and R. L. Tassen. 1970. The use of food sprays to increase effectiveness of entomophagous insects. *Proceedings of the Tall Timbers Conference on Ecological Animal Control by Habitat Management* 2: 59-81.
- Hagen, K. S., S. Bombosch, and J. A. McMurtry. 1976. The biology and impact of predators, pp. 93-142. *In: Huffaker, C. B. and P. S. Messenger (eds.). Theory and Practice of Biological Control.* Academic Press, New York.
- Hagen, K.S., Mills, N.J., Gordh, G., and McMurtry, J.A. 1999. Terrestrial arthropod predators of insect and mite pests, pp. 383-503. *In: Bellows, T.S. Jr. and Fisher, T.W. (eds.). Handbook of Biological Control.* Academic Press, San Diego, California, USA.
- Hagimori, T., Y. Abe, S. Date, and K. Miura. 2006. The first finding of a *Rickettsia* bacterium associated with parthenogenesis induction among insects. *Current Microbiology* 52: 97-101.
- Hagler, J. R. and A. C. Cohen. 1991. Prey selection by *in vitro*- and field-reared *Geocoris punctipes*. *Entomologia Experimentalis et Applicata* 59: 201-205.

- Hagler, J. R. and E. Miller. 2002. An alternative to conventional insect marking procedures: detection of a protein mark on pink bollworm by ELISA. *Entomologia Experimentalis et Applicata* 103: 1-9.
- Hagler, J. R. and S. E. Naranjo. 1997. Measuring the sensitivity of an indirect predator gut content ELISA: detectability of prey remains in relation to predator species, temperature, time, and meal size. *Biological Control* 9: 112-119.
- Hagler, J. R., S. E. Naranjo, D. Bradley-Dunlop, F. J. Enriquez, and T. J. Henneberry. 1994. A monoclonal antibody to pink bollworm (Lepidoptera: Gelechiidae) egg antigen: a tool for predator gut analysis. *Annals of the Entomological Society of America* 87: 85-90.
- Hagley, E. A. C. and C. M. Simpson. 1981. Effect of food sprays on numbers of predators in an apple orchard. *The Canadian Entomologist* 113: 75-77.
- Hågvar, E. B. 1991. Ecological problems in the establishment of introduced predators and parasites for biological control. *Acta Entomologica Bohemoslovaca* 88: 1-11.
- Hågvar, E. B. and T. Hofsvang. 1989. Effect of honeydew and hosts on plant colonization by the aphid parasitoid *Ephedrus cerasicola*. *Entomophaga* 34: 495-501.
- Hajek, A. E., R. A. Humber, J. S. Elkinton, B. May, S. R. A. Walsh, and J. C. Silver. 1990a. Alzozyme and RFLP analyses confirm *Entomophaga maimaiga* responsible for 1989 epizootics in North American gypsy moth populations. *Proceedings of the National Academy of Sciences. U.S.A.* 87: 6979-6982.
- Hajek, A. E., R. A. Humber, and M. H. Griggs. 1990b. Decline in virulence of *Entomophaga maimaiga* (Zygomycetes: Entomophthorales) with repeated *in vitro* subculture. *Journal of Invertebrate Pathology*. 56: 91-97.
- Hajek, A. E., L. Butler, S. R. A. Walsh, J. C. Silver, F. P. Hain, F. L. Hastings, T. M. Odell, and D. R. Smitley. 1996. Host range of the gypsy moth (Lepidoptera: Lymantriidae) pathogen *Entomophaga maimaiga* (Zygomycetes: Entomophthorales) in the field versus laboratory. *Environmental Entomology* 25: 709-721.
- Hale, L. D. 1970. Biology of *Icerya purchasi* and its natural enemies in Hawaii. *Proceedings of the Hawaiian Entomological Society* 20: 533-550.
- Hall, R. A. 1985. Whitefly control by fungi, pp. 116-124. In: Hussey, N. W. and N. Scopes (eds.). *Biological Pest Control, the Glasshouse Experience*. Cornell University, Ithaca, New York, USA.
- Hall, R. A. and B. Papierok. 1982. Fungi as biological control agents of arthropods of agricultural and medical importance. *Parasitology* 84: 205-240.
- Hall, R. W. and L. E. Ehler. 1979. Rate of establishment of natural enemies in classical biological control. *Bulletin of the Entomological Society of America* 25: 280-282.
- Hall, R. W., L. E. Ehler, and B. Bisabri-Ershadi. 1980. Rate of success in classical biological control of arthropods. *Bulletin of the Entomological Society of America* 26: 111-114.
- Hamai, J. and C. B. Huffaker. 1978. Potential of predation by *Metaseiulus occidentalis* in compensating for increased, nutritionally induced, power of increase of *Tetranychus urticae*. *Entomophaga* 23; 225-237.
- Hance, Th. and C. Gregoire-Wibo. 1987. Effect of agricultural practices on carabid populations. *Acta Phytopathologica et Entomologica Hungarica* 22: 147-160.

- Haney, P. B., R. F. Luck, and D. S. Moreno. 1987. Increases in densities of the citrus red mite, *Panonychus citri* (Acarina: Tetranychidae), in association with the Argentine ant, *Iridomyrmex humilis* (Hymenoptera: Formicidae), in southern California citrus. *Entomophaga* 32: 49-57.
- Hanks, L. M., J. R. Gould, T. D. Paine, and J. G. Millar. 1995. Biology and host relations of *Avetianella longoi*, an egg parasitoid of the eucalyptus longhorned borer. *Annals of the Entomological Society of America* 88: 666-671.
- Hanks, L. M., T. D. Paine, and J. G. Millar. 1996. Tiny wasp helps protect eucalypts from eucalyptus longhorned borer. *California Agriculture* 50: 14-16.
- Hanks, L. M., T. D. Paine, J. G. Millar, C. D. Campbell and U. K. Schuch. 1999. Water relations of host trees and resistance to the phloem-boring beetle *Phoracantha semipunctata* F. (Coleoptera :Cerambycidae). *Oecologia*. 119: 400-407.
- Hanks, L. M., J. G. Millar, T. D. Paine, and C. D. Campbell. 2000. Classical biological control of the Australian weevil *Gonipterus scutellatus* Gyll. (Coleoptera: Curculionidae) in California. *Environmental Entomology* 29: 369-375.
- Hannay, C. L. 1953. Crystalline inclusions in aerobic spore-forming bacteria. *Nature* 172: 1004-1006.
- Hansen, R. W., N. R. Spencer, L. Fornasari, P. C. Quimby, Jr., R. W. Pemberton, and R. M. Nowierski. 2004. Leafy spurge, pp. 233-262. *In: Coombs, E. M., J. K. Clark, G. L. Piper, and A. F. Cofrancesco, Jr. (eds.). Biological Control of Invasive Plants in the United States.* Oregon State Univ. Press, Corvallis, Oregon, USA.
- Hanski, I. 1989. Metapopulation dynamics: does it help to have more of the same? *Trends in Ecology and Evolution* 4:113-114.
- Hara, A. H., R. Gaugler, H. K. Kaya, and L. M. LeBeck. 1991. Natural populations of entomopathogenic nematodes (Rhabditida: Heterorhabditidae, Steinernematidae) from the Hawaiian Islands. *Environmental Entomology* 20: 211-216.
- Hardman, J. M., D. L. Moreau, M. Snyder, S. O. Gaul, and E. D. Bent. 2000. Performance of a pyrethroid-resistant strain of the predator mite *Typhlodromus pyri* (Acari: Phytoseiidae) under different insecticide regimes. *Journal of Economic Entomology* 93: 590-604.
- Hardy, A. R., M. R. Fletcher, and P. I. Stanley. 1986. Pesticides and wildlife: twenty years of vertebrate wildlife incident investigations by MAFF. *State Veterinary Journal* 40 (117): 182-192.
- Hardy, C. M., L. A. Hinds, P. J. Kerr, M. L. Lloyd, A. J. Redwood, G. R. Shellam, and T. Strive. 2006. Biological control of vertebrate pests using virally vectored immunocontraception. *Journal of Reproductive Immunology* 71: 102-111.
- Harley, K. L. S., I. W. Forno, R. C. Kassulke, and D. P. A. Sands. 1984. Biological control of water lettuce. *Journal of Aquatic Plant Management* 22: 101-102.
- Harmon, J. P. and D. A. Andow. 2004. Indirect effects between shared prey: predictions for biological control. *BioControl* 49: 605-626.
- Harper, J. D. 1987. Applied epizootiology: microbial control of insects, pp. 473-496. *In: Fuxa, J. R. and Y. Tanada (eds.). Epizootiology of Insect Diseases.* John Wiley and Sons, New York.
- Harper, J. L. 1977. *Population Biology of Plants.* Academic Press, New York.

- Harper, J. L. 1981. The concept of population in modular organisms, pp. 53-77. *In*: May, R. M. (ed.). *Theoretical Ecology, Principles and Applications*. Sinauer Associates, Inc., Sunderland, Massachusetts, USA.
- Harris, P. 1973. The selection of effective agents for the biological control of weeds. *The Canadian Entomologist* 105: 1495-1503.
- Harris, P. 1977. Biological control of weeds: from art to science, pp. 85-86. *In*: Freeman, T. E. (ed.). *Proceedings of the IVth International Symposium on Biological Control of Weeds*, 30 August – 2 September 1976, University of Florida, Gainesville, Florida. University of Florida, IFAS, Gainesville, Florida, USA.
- Harris, P. 1979. Cost of biological control of weeds by insects in Canada. *Weed Science* 27: 242-250.
- Harris, P. 1980a Establishment of *Urophora affinis* Frfld. and *U. quadrifasciata* (Meig.) (Diptera: Tephritidae) in Canada for the biological control of diffuse and spotted knapweed. *Zeitschrift für Angewandte Entomologie* 89: 504-514.
- Harris, P. 1980b. Effects of *Urophora affinis* Frfld. And *U. quadrifasciata* (Meig.) (Diptera: Tephritidae) on *Centaurea diffusa* Lam. and *C. maculosa* Lam. (Compositae). *Zeitschrift für Angewandte Entomologie* 90: 190-201.
- Harris, P. 1981. Stress as a strategy in the biological control of weeds, pp. 333-340. *In*: Papavizas, G. C. (ed.). *Beltsville Symposia in Agricultural Research. 5. Biological Control in Crop Protection*. Allanheld, Osmun, Totowa.
- Harris, P. 1984. *Carduus nutans* L., nodding thistle and *C. acanthoides*, plumeless thistle (Compositae), pp. 159-169. *In*: Kelleher, J. S. and M. A. Hulme (eds.). *Biological Control Programmes Against Insects and Weeds in Canada 1969-1980*. Commonwealth Agricultural Bureaux, London.
- Harris, P. 1985. Biocontrol of weeds: Bureaucrats, botanists, beekeepers and other bottlenecks, pp. 3-12. *In*: Delfosse, E. S. (ed.). *Proceedings of the VIth International Symposium on Biological Control of Weeds*, 19-25 August 1984, University of British Columbia, Vancouver, Canada. Agriculture Canada. Ottawa, Canada.
- Harris, P. 1988. Environmental impact of weed-control insects. *BioScience* 38: 542-548.
- Harris, P. 1989. Practical considerations in a classical biocontrol of weeds program. pp. 23-31. *In* Proceedings International Symposium on Biological Control Implementation. 4-6 April, McAllen, Texas, USA.
- Harris, P. 1990. Environmental impact of introduced biological control agents, pp. 289-300. *In*: Mackauer, M., L. E. Ehler, and J. Roland (eds.). *Critical Issues in Biological Control*. Intercept, Andover, United Kingdom.
- Harris, P. 1996. Effectiveness of gall inducers in weed biological control. *The Canadian Entomologist* 128: 1021-1055.
- Harris, P. and J. H. Myers. 1984. *Centaurea diffusa* Lam. and *C. maculosa* Lam. s. lat., diffuse and spotted knapweed (Compositae), pp. 127-137. *In*: Kelleher, J. S. and M. A. Hulme (eds.). *Biological Control Programmes against Insects and Weeds in Canada 1969-1980*. Commonwealth Agricultural Bureaux, Slough, United Kingdom.

- Harris, V. E. and J. W. Todd. 1980. Male-mediated aggregation of male, female and 5th instar southern green stink bugs and concomitant attraction of a tachinid parasite, *Trichopoda pennipes*. *Entomologia Experimentalis et Applicata* 27: 117-126.
- Harrison, S. 1997. Persistent, localized outbreaks in the western tussock moth *Orgyia vetusta*: the roles of resource quality, predation and poor dispersal. *Ecological Entomology* 22: 158-166
- Hart, A. J., J. S. Bale, A. G. Tullet, M. R. Worland, and F. K. A. Walters. 2002. The effects of temperature on the establishment potential of the predatory mite *Amblyseius californicus* McGregor (Acari: Phytoseiidae) in the UK. *Journal of Insect Physiology* 48: 593-599.
- Harvey, C. T. and M. D. Eubanks. 2005. Intraguild predation of parasitoids by *Solenopsis invicta*: a non-disruptive interaction. *Entomologia Experimentalis et Applicata* 114: 127-135.
- Harwood, J. D. and J. J. Obrycki. 2005. Quantifying aphid predation rates of generalist predators in the field. *European Journal of Entomology* 102: 335-350.
- Harwood, J. D., K. D. Sunderland, and W. O. C. Symondson. 2004. Prey selection by linyphiid spiders: molecular tracking of the effects of alternative prey on rates of aphid consumption in the field. *Molecular Ecology* 13: 3549-3560.
- Hasan, S. 1981. A new strain of the rust fungus *Puccinia chondrillina* for biological control of skeleton weed in Australia. *Annals of Applied Biology* 99: 119-124.
- Hanson, P. E. and I. D. Gauld (eds.). 1995. *The Hymenoptera of Costa Rica*. Oxford University Press, Oxford, United Kingdom.
- Hasan, S. and A. J. Wapshere. 1973. The biology of *Puccinia chondrillina*, a potential biological control agent of skeleton weed. *Annals of Applied Biology* 74: 325-332.
- Hassan, S. A. 1977. Standardized techniques for testing side-effects of pesticides on beneficial arthropods in the laboratory. *Zeitschrift für Pflanzenkrankheiten und Pflanzenschutz* 84: 158-163.
- Hassan, S. A. 1980. A standard laboratory method to test the duration of harmful effects of pesticides on egg parasites of the genus *Trichogramma* (Hymenoptera: Trichogrammatidae). *Zeitschrift für Pflanzenkrankheiten und Pflanzenschutz* 89: 282-289.
- Hassan, S. A. 1985. Standard methods to test the side-effects of pesticides on natural enemies of insects and mites developed by the IOBC/WPRS Working Group "Pesticides and Beneficial Organisms." *Bulletin of OEPP/EPPO* 15: 214-255.
- Hassan, S. A. 1989. Testing methodology and the concept of the IOBC/WPRS working group, pp. 1-18. In: Jepson, P. C. (ed.). *Pesticides and Non-Target Invertebrates*. Intercept, Wimborne, Dorset, United Kingdom.
- Hassan, S. A. 1994. Strategies to select *Trichogramma* species for use in biological control, pp. 55-71. In: Wajnberg, E. and S. A. Hassan (eds.). *Biological Control with Egg Parasitoids*. Commonwealth Agricultural Bureaux, Wallingford, United Kingdom.
- Hassan, S. A. and W.Q. Zhang. 2001. Variability in quality of *Trichogramma brassicae* (Hymenoptera: Trichogrammatidae) from commercial suppliers in Germany. *Biological Control* 22: 115-121.

- Hassan, S. A., R. Albert, F. Bigler, P. Blaisinger, G. Bogenschutz, *et al.*, 1987. Results of the third joint pesticide testing programme by the IOBC/WPRS Working Group "Pesticides and Beneficial Organisms." *Journal of Applied Entomology* 103: 92-107.
- Hassell, M. P. 1971. Mutual interference between searching insect parasites. *Journal of Animal Ecology* 40: 473-486.
- Hassell, M. P. 1980. Foraging strategies, population models and biological control: a case study. *Journal of Animal Ecology* 49: 603-628.
- Hassell, M. P. 2000. The Spatial and Temporal Dynamics of Host-Parasitoid Interactions. Oxford University press. Oxford, United Kingdom.
- Hassell, M. P. and H. N. Comins. 1977. Sigmoid functional responses and population stability. *Theoretical Population Biology* 14: 62-67.
- Hassell, M. P. and C. B. Huffaker. 1969. The appraisal of delayed and direct density-dependence. *The Canadian Entomologist* 101: 353-361.
- Hassell, M. P. and R. M. May. 1973. Stability in insect host-parasite models. *Journal of Animal Ecology* 42: 693-726.
- Hassell, M. P. and R. M. May. 1974. Aggregation of predators and insect parasites and its effect on stability. *Journal of Animal Ecology* 43: 567-594.
- Hatherly I. S., A. J. Hart, A. G., Tullett, and J. S. Bale. 2005. Use of thermal data as a screen for the establishment potential of non-native biological control agents in the U.K. *BioControl* 50: 687-698.
- Hattingh, V. and M. J. Samways. 1991. Determination of the most effective method for field establishment of biocontrol agents of the genus *Chilocorus* (Coleoptera: Coccinellidae). *Bulletin of Entomological Research* 81: 169-174.
- Hattingh, V. and B. A. Tate. 1995. Effects of field-weathered residues of insect growth regulators on some Coccinellidae (Coleoptera) of economic importance as biological control agents. *Bulletin of Entomological Research* 85: 489-493.
- Hattingh, V. and B. A. Tate. 1996. The effects of insect growth regulator use on IPM in Southern African citrus. *Proceedings of the International Society of Citriculture* 1: 523-525.
- Haugen, D. A. 1990. Control procedures for *Sirex noctilio* in the Green Triangle: review from detection to severe outbreak (1977-1987). *Australian Forestry* 53: 24-32.
- Havelka, J. and R. Zemek. 1988. Intraspecific variability of aphidophagous gall midge *Aphidoletes aphidimyza* (Rondani) (Dipt.: Cecidomyiidae) and its importance for biological control of aphids. 1. Ecological and morphological characteristics of populations. *Journal of Applied Entomology* 105: 280-288.
- Havill, N. P., M. E. Montgomery, G. Yu, S. Shiyake, and A. Caccone. 2006. Mitochondrial DNA from hemlock woolly adelgid (Hemiptera: Adelgidae) suggests cryptic speciation and pinpoints the source of the introduction to eastern North America. *Annals of the Entomological Society of America* 99: 195-203.
- Havron, A. D. Rosen, H. Prag, and Y. Rossler. 1991. Selection for pesticide resistance in *Aphytis*. I. *A. holoxanthus*, a parasite of the Florida red scale. *Entomologia Experimentalis et Applicata* 61: 221-228.

- Hawkins, B. A. and P. Gross. 1992. Species richness and population limitation in insect parasitoid-host systems. *American Naturalist* 139: 417-423.
- Hawkins, B. A., H. V. Cornell, and M. E. Hochberg. 1997. Predators, parasitoids, and pathogens as mortality agents in phytophagous insect populations. *Ecology* 78: 2145-2152.
- Hawkins, B. A., N. J. Mills, M. A. Jervis, and P.W. Price. 1999. Is biological control a natural phenomenon? *Oikos* 86: 493-506.
- Haye, T., H. Goulet, P. G. Mason, and U. Kuhlmann. 2005. Does fundamental host range match ecological host range? *Biological Control* 35: 55-67.
- Haye, T., U. Kuhlmann, H. Goulet, and P. G. Mason. 2006. Controlling *Lygus* plant bugs (Heteroptera: Miridae) with European *Peristenus relictus* (Hymenoptera: Braconidae) in Canada – risky or not? *Bulletin of Entomological Research* 96: 187-196.
- Hayes, K. R. 1998. Ecological risk assessment for ballast water introductions: A suggested approach. *ICES Journal of Marine Science* 55: 201-212.
- Hays, D. B. and S. B. Vinson. 1971. Acceptance of *Heliothis virescens* (F.) as a host by the parasite *Cardiochiles nigriceps* Viereck (Hymenoptera: Braconidae). *Animal Behavior* 19: 344-352.
- Hazzard, R. V. and D. N. Ferro. 1991. Feeding response of *Coleomegilla maculata* (Coleoptera: Coccinellidae) to eggs of Colorado potato beetle (Coleoptera: Chrysomelidae) and green peach aphids (Homoptera: Aphidae). *Environmental Entomology* 20: 644-651.
- Hazzard, R. V., D. N. Ferro, R. G. Van Driesche, and A. F. Tuttle. 1991. Mortality of eggs of Colorado potato beetle (Coleoptera: Chrysomelidae) from predation by *Coleomegilla maculata* (Coleoptera: Coccinellidae). *Environmental Entomology* 20: 841-848.
- Head, G., W. Moar, M. Eubanks, B. Freeman, J. Ruberson, A. Hagerty, and S. Turnipseed. 2005. A multiyear, large-scale comparison of arthropod populations on commercially managed Bt and non-Bt cotton fields. *Environmental Entomology* 34: 1257-1266.
- Heads, P. A. and J. H. Lawton. 1983. Studies on the natural enemy complex of the holly leaf miner: the effects of scale on the detection of aggregative responses and the implications for biological control. *Oikos* 40: 267-276.
- Headrick D. H. and R. D. Goeden. 2001. Biological control as a tool for ecosystem management. *Biological Control* 21: 249-257.
- Heard, T. A. 2000. Concepts in insect host-plant selection behavior and their application to host specificity testing, pp. 1-10. In: Van Driesche, R., T. Heard, A. McClay, and R. Reardon (eds.). *Proceedings of a Session: Host Specificity Testing of Exotic Arthropod Biological Control Agents – The Biological Basis for Improvement in Safety*. FHTET-99-1, Forest Health Technology Enterprise Team, USDA Forest Service. , Morgantown, West Virginia, USA.
- Heard, T. A. and W. Pettit. 2005. Review and analysis of the surveys for natural enemies of *Mimosa pigra*: What does it tell us about surveys for broadly distributed hosts? *Biological Control* 34: 247-254
- Heard, T. A., C. W. O'Brian, I. W. Forno, and J. A. Burcher. 1998. *Chalcodermus persimilis* O'Brien n. sp. (Coleoptera: Curculionidae): description, biology, host range, and suitability for biological control of *Mimosa pigra* L. (Mimosaceae). *Transactions of the American Entomological Society* 124:1-11.

- Heard, T. A., Q. Paynter, R. Chan, and M. Mira. 2005. *Malacorhinus irregularis* for biological control of *Mimosa pigra*: Host specificity, life cycle and establishment in Australia. *Biological Control* 32: 252-262.
- Hedley, J. 2004. The International Pant Protection Convention and alien species, pp. 185-201. In: Miller, M. L. and R. N. Rabian (eds.). *Harmful Invasive Species: Legal Responses*. Environmental Law Institute, Washington, D. C.
- Hegedus, D. D. and G. G. Khachatourians. 1993. Construction of cloned DNA probes for the specific detection of the entomopathogenic fungus *Beauveria bassiana* in grasshoppers. *Journal of Invertebrate Pathology* 62: 233-240
- Heidari, M. and M. J. W. Copland. 1993. Honeydew: a food resource or arrestant for the mealybug predator *Cryptolaemus montrouzieri*? *Entomophaga* 38: 63-68.
- Heidger, C. and W. Nentwig. 1989. Augmentation of beneficial arthropods by strip-management. 3. Artificial introduction of a spider species which preys on wheat pest insects. *Entomophaga* 34: 511-522.
- Heimbach, U. and C. Abel. 1991. Side effects of soil insecticides in different formulations on some beneficial arthropods. *Verhandlung der Gesellschaft für Ökologie* 19: 163-170 (in German).
- Heimpel, G. E., A. J. Rosenheim, and M. Mangel. 1996. Egg limitation, host quality, and dynamic behaviour by a parasitoid in the field. *Ecology* 77: 2410-2420.
- Heinrichs, E. A., G. B. Aquino, S. Chelliah, S. L. Valencia, and W. H. Reissig. 1982. Resurgence of *Nilaparvata lugens* (Stål) populations as influenced by method and timing of insecticide applications in lowland rice. *Environmental Entomology* 11: 78-84.
- Heinz, K. M. 1998. Dispersal and dispersion of aphids (Homoptera: Aphididae) and selected natural enemies in spatially subdivided greenhouse experiments. *Environmental Entomology* 27: 1029-1038.
- Heinz, K. H. and M. Parrella. 1990. Biological control of insect pests on greenhouse marigolds. *Environmental Entomology* 19: 825-835.
- Heirbaut, M. and P. van Damme. 1992. The use of artificial nests to establish colonies of the black cocoa ant (*Dolichoderus thoracicus* Smith) used for biological control of *Helopeltis theobromae* Mill. in Malaysia. *Mededelingen van de Faculteit Landbouwwetenschappen* 57: 533-542.
- Hemptinne, J.-L. 1988. Ecological requirements for hibernating *Propylea quatuordecimpunctata* (L.) and *Coccinella septempunctata* (Col.: Coccinellidae). *Entomophaga* 33: 238-245.
- Henaut, Y., C. Alauzet, and M. Lambin. 2002. Effects of starvation on the search path characteristics of *Orius majusculus* (Reuter) (Het. Anthocoridae). *Journal of Applied of Entomology* 126: 501-503.
- Henderson, L. 2001. *Alien Weeds and Invasive Plants*. Plant Protection Research Institute Handbook No. 12, Agricultural Research Council, Pretoria, South Africa.
- Hendrickson, R. M., Jr. 1980. Continuous production of predaceous mites in the greenhouse. *Journal of the New York Entomological Society* 88: 252-256.
- Hendrickson, R. M., Jr., S. E. Barth and L. R. Ertle. 1987. Control of relative humidity during shipment of parasitic insects. *Journal of Economic Entomology* 80: 537-539.

- Henneman, M. L. and J. Memmott. 2004. Infiltration of a Hawaiian community by introduced biological control agents. *Science* 293: 1314-1316.
- Henzell, R. and E. Murphy. 2002. Rabbits and possums in the GMO potboiler. *Biocontrol News and Information* 23: 89N-96N.
- Heard, T. A. and W. Pettitt. 2005. Review and analysis of the surveys for natural enemies of *Mimosa pigra*: what does it tell us about surveys for broadly distributed hosts? *Biological Control* 34: 247-254.
- Hérard, F., M. A. Keller, W. J. Lewis, and J. H. Tumlinson. 1988. Beneficial arthropod behavior mediated by airborne semiochemicals. IV. Influence of host diet on host-orientated flight chamber responses of *Microplitis demolitor* Wilkinson. *Journal of Chemical Ecology* 14: 1597-1606.
- Heraty, J. 2004. Molecular systematics, chalcidoidea and biological control, pp. 39-71. Ehler, L., R. Sforza, and T. Mateille (eds.). *Genetics, Evolution and Biological Control*. CABI, Wallingford, United Kingdom.
- Hermes, D. A., A. K. Stone, and J. A. Chatfield. 2004. Emerald ash borer: the beginning of the end of ash in North America? Special Circular No. 193, Ohio Agricultural Research and Development Center, Wooster, Ohio, pp. 62-71.
- Herren, H. R. and P. Neuenschwander. 1991. Biological control of cassava pests in Africa. *Annual Review of Entomology* 36: 257-284.
- Herren, H. R., T. J. Bird, and D. J. Nadel. 1987. Technology for automated aerial release of natural nemeies of the cassava mealybug and cassava green mite. *Insect Science and its Application* 8: 883-885.
- Herrnstadt, C., F. Gaertner, W. Gelernter, and D. L. Edwards. 1987. *Bacillus thuringiensis* isolate with activity against Coleoptera, pp. 101-113. In: Maramorosch, K. (ed.). *Biotechnology in Invertebrate Pathology and Cell Culture*. Academic Press, New York.
- Hickman, J. M. and S. D. Wratten. 1996. Use of *Phacelia tanacetifolia* strips to enhance biological control of aphids by hoverfly larvae in cereal fields. *Journal of Economic Entomology* 89: 832-840.
- Hight, S. D. 1990. Available feeding niches in populations of *Lythrum salicaria* (purple loosestrife) in the northeastern United States, pp. 269-278. In: Delfosse, E. S. (ed.). *Proceedings of the VII International Symposium on Biological Control of Weeds*, 6-11 March 1988, Rome, Italy. Ist. Sper. Patol. Veg. (MAF)
- Higashiura, Y. 1989. Survival of eggs in the gypsy moth, *Lymantria dispar*. I. Predation by birds. *Journal of Animal Ecology* 58: 403-412.
- Hill, D. S. 1975. *Agricultural Insect Pests of the Tropics and their Control*. Cambridge University Press, Cambridge, United Kingdom.
- Hill, G. and D. Greathead. 2000. Economic evaluation in classical biological control, 208-223. In: Perrings C., M. Williamson, and S. Dalmazzone (eds.). *The Economics of Biological Invasions*. Edward Elgar. Cheltenham, United Kingdom.
- Hill, M. G. and D. J. Allan. 1986. The effects of weeds on armyworm in maize, pp. 260-263. *Proceedings of the 39th New Zealand Weed and Pest Control Conference*, Palmerston North, New Zealand, New Zealand Weed and Pest Control Society.

- Hill, M. G., F. L. O. Nang'ayo, and D. J. Wright. 2003. Biological control of the larger grain borer, *Prostephanus truncatus* (Coleoptera: Bostrichidae), in Kenya using a predatory beetle, *Tetrivius nigrescens* (Coleoptera: Histeridae). *Bulletin of Entomological Research* 93: 299-306.
- Hill, M. P. 1997. The potential for the biological control of the floating aquatic fern, *Azolla filiculoides* Lamarck (red waterfer/rooiwatervaring) in South Africa. WRC Report No. KV 100/97, 31 pp.
- Hill, M. P. 1998. Life history and laboratory host range of *Stenopelmus rufinasus* Gyllenhal (Coleoptera: Curculionidae) a natural enemy for *Azolla filiculoides* Lamarck (Azollaceae) in South Africa. *BioControl* 43: 215-224.
- Hill, M. P. 1999. Biological control of red water fern, *Azolla filiculoides* Lamarck (Pteridophylla: Azollaceae) in South Africa, pp. 119-124. In: Olckers, T. and M. P. Hill (eds.). *Biological Control of Weeds in South Africa (1990-1998)*. African Entomology Memoir No. 1, Entomological Society of South Africa, Johannesburg.
- Hill, M. P. and C. J. Cilliers. 1999. *Azolla filiculoides* Lamarck (Pteridophyta: Azollaceae), its status in South Africa and control. *Hydrobiologia* 415: 203-206.
- Hill, M. P. and P. E. Hulley. 1995. Host-range extension by native parasitoids to weed biocontrol agents introduced to South Africa. *Biological Control* 5: 297-302.
- Hill, R. L. and C. Stone. 1985. Spider mites as control agents for weeds, pp. 443-448. In: Helle, W. and M. W. Sabelis (eds.), *Spider Mites: their Biology, Natural Enemies and Control*, Vol. 1B. Elsevier, Amsterdam, The Netherlands.
- Hill, R. L., J. M. Grindell, C. J. Winks, J. J. Sheat, and L. M. Hayes. 1991. Establishment of gorse spider mite as a control agent for gorse, pp. 31-34. In: Anon. *Proceedings of the 44th New Zealand Weed and Pest Control Conference*. New Zealand Weed and Pest Control Society. Pamerston North, New Zealand.
- Hillis, D. M. and M. T. Dixon. 1991. Ribosomal DNA: Molecular evolution and phylogenetic inference. *The Quarterly Review of Biology* 66: 411-453.
- Hinks, C. F. 1971. Observations of larval behaviour and avoidance of encapsulation of *Perilampus hyalinus* (Hymenoptera: Perilampidae) parasitic in *Neodriprion lecontei* (Hymenoptera: Diprionidae). *The Canadian Entomologist* 103: 182-187.
- Hislop, R. G. and R. J. Prokopy. 1981. Integrated management of phytophagous mites in Massachusetts (USA) apple orchards. 2. Influences of pesticides on the mite predator *Amblyseius fallacis* under laboratory and field conditions. *Protection Ecology* 3: 157-172.
- Hochberg, M. E. and A. R. Ives (eds.). 2000. *Parasitoid Population Biology*. Princeton University Press, Princeton, New Jersey, USA.
- Hoddle, M. S. 1999. Biological control of vertebrate pests, pp. 955-974. In: Bellows, T. S., Jr. and T. W. Fisher (eds.). *Handbook of Biological Control*. Academic Press San Diego, California, USA.
- Hoddle, M. S. 2003. Predation behaviors of *Franklinothrips orizabensis* (Thysanoptera: Aeolothripidae) towards *Scirtothrips perseae* and *Heliothrips haemorrhoidalis* (Thysanoptera: Thripidae). *Biological Control* 27: 323-328.

- Hoddle, M. S. 2004a. The potential adventive geographic range of glassy-winged sharpshooter, *Homalodisca coagulata*, and the grape pathogen *Xylella fastidiosa*: implications for California and other grape growing regions of the world. *Crop Protection* 23: 691-699.
- Hoddle, M. S. 2006. Historical review of control programs for *Levuana iridescens* (Lepidoptera: Zygaenidae) in Fiji and examination of possible extinction of this moth by *Bessa remota* (Diptera: Tachinidae). *Pacific Science* 60: 439-453.
- Hoddle, M. S. and L. Robinson. 2004. Evaluation of factors influencing augmentative releases of *Chrysoperla carnea* for control of *Scirtothrips perseae* in California avocado orchards. *Biological Control* 31: 268-275.
- Hoddle, M. S. and R. G. Van Driesche. 1999. Evaluation of *Eretmocerus eremicus* and *Encarsia formosa* Beltsville strain in commercial greenhouses for biological control of *Bemisia argentifolii* on colored poinsettia plants. *Florida Entomologist* 82: 556-569.
- Hoddle, M., R. G. Van Driesche, and J. Sanderson. 1997a. Biological control of *Bemisia argentifolii* (Homoptera: Aleyrodidae) on poinsettia with inundative releases of *Eretmocerus eremicus* (Hymenoptera: Aphelinidae): Do release rates and plant growth affect parasitism? *Bulletin of Entomological Research* 88: 47-58.
- Hoddle, M., R. G. Van Driesche, and J. Sanderson. 1997b. Biological control of *Bemisia argentifolii* (Homoptera: Aleyrodidae) on poinsettia with inundative releases of *Encarsia formosa* (Hymenoptera: Aphelinidae): Are higher release rates necessarily better? *Biological Control* 10: 166-179.
- Hoddle, M., R. G. Van Driesche and J. Sanderson. 1998a. Biology and utilization of the whitefly parasitoid *Encarsia formosa*. *Annual Review of Entomology* 43: 645-649.
- Hoddle, M. S., R. G. Van Driesche, J. S. Elkinton, and J. P. Sanderson. 1998b. Discovery and utilization of *Bemisia argentifolii* patches by *Eretmocerus eremicus* and *Encarsia formosa* (Beltsville strain) in greenhouses. *Entomologia Experimentalis et Applicata* 87: 15-28.
- Hoddle, M. S., O. Aponte, V. Kerguelen, and J. Heraty. 1999. Biological control of *Oligonychus perseae* (Acari: Tetranychidae) on avocado: I. Evaluating release timings, recovery, and efficacy of six commercially available phytoseiids. *International Journal of Acarology* 25: 211-219.
- Hoddle, M. S., L. Robinson, and J. Virzi. 2000. Biological control of *Oligonychus perseae* (Acari: Tetranychidae) on avocado: III. Evaluating the efficacy of varying release rates and release frequency of *Neoseiulus californicus* (Acari: Phytoseiidae). *International Journal of Acarology* 26: 203-214.
- Hoddle, M. S., J. Jones, K. Oishi, D. Morgan, and L. Robinson. 2001a. Evaluation of diets for the development and reproduction of *Franklinothrips orizabensis* (Thysanoptera: Aeolothripidae). *Bulletin of Entomological Research* 91: 273-280.
- Hoddle, M. S., R. G. Van Driesche, S. M. Lyon, and J. P. Sanderson. 2001b. Compatibility of insect growth regulators with *Eretmocerus eremicus* (Hymenoptera: Aphelinidae) for whitefly control (Homoptera: Aleyrodidae) control on poinsettia: I. Laboratory Assays. *Biological Control*. 20: 122-131.
- Hoddle, M. S., J. G. Morse, P. A. Phillips, B. A. Faber, and K. M. Jetter. 2002a. Avocado thrips: a new challenge for growers. *California Agriculture* 56: 103-107.

- Hoddle, M.S., S. Nakahara, and P.A. Phillips. 2002b. Foreign exploration for *Scirtothrips perseae* (Thysanoptera: Thripidae) and associated natural enemies on avocado (*Persea americana* Miller). *Biological Control* 24: 251-265.
- Hoddle, M. S., P. Oevering, P. A. Phillips, and B.A. Faber. 2004. Evaluation of augmentative releases of *Franklinothrips orizabensis* for control of *Scirtothrips perseae* in California avocado orchards. *Biological Control* 30: 456-465.
- Hodek, I. 1970. Coccinellids and modern pest management. *BioScience* 20: 543-552.
- Hodek, I. 1973. *Biology of the Coccinellidae*. Dr. W. Junk, N. V. Publishers, The Hague, The Netherlands.
- Hodek, I. (ed.). 1986. *Ecology of Aphidophaga*. Proceedings of the 2nd symposium held at Zvíkovské Podhradí, 2-8 September 1984, Dr. W. Junk Publishers, Dordrecht, The Netherlands.
- Hodek, I. and A. Honěk. 1996. *Ecology of Coccinellidae*. Kluwer Academic Publishers, Dordrecht, The Netherlands.
- Hodkinson, I. D. 1974. The biology of the Psylloidea (Homoptera): a review. *Bulletin of Entomological Research* 64: 325-339.
- Hodkinson, I. D. 1999. Biocontrol of eucalyptus psyllid *Ctenarytaina eucalypti* by the Australian parasitoid *Psyllaephagus pilosus*: a review of current programmes and their success. *Biocontrol News and Information* 20 (40): 129N-134N.
- Høeg, J. and J. Lutzen. 1985. *Crustacea: Rhizocephala. Marine Invertebrates of Scandinavia*, No. 6. Norwegian University Press, Oslo, Norway.
- Hoelmer K. A. and A. A. Kirk. 2005. Selecting arthropod biological control agents against arthropod pests: Can the science be improved to decrease the risk of releasing ineffective agents? *Biological Control* 34: 255-264.
- Hoelzel, A. R. (ed.) 1998. *Molecular Genetic Analysis of Populations: A practical approach*, Oxford University Press, Oxford, United Kingdom.
- Hoffman, J. D., C. M. Ignoffo, and W. A. Dickerson. 1975. *In vitro* rearing of the endoparasitic wasp *Trichogramma pretiosum*. *Annals of the Entomological Society of America* 68: 335-336.
- Hoffmann, J. H. 1990. Interactions between three weevils species in the biocontrol of *Sesbania punicea* (Fabaceae): the role of simulation models in evaluation. *Agriculture, Ecosystems and Environment* 32: 77-87.
- Hoffmann, J. H. 1996. Biological control of weeds: The way forward. A South Africa perspective, pp. 77-89. *In: Stirton, C. H. (ed.). Weeds in a Changing World. Proceedings of an International Symposium, Brighton, United Kingdom, 20 November 1995.* BCPC Symposium Proceedings No. 64. British Crop Protection Council, Farnham, United Kingdom.
- Hoffmann, J. H., and V. V. Moran. 1992. Oviposition patterns and the supplementary role of a seed-feeding weevil, *Rhysomatus marginatus* (Coleoptera: Curculionidae), in the biological control of a perennial leguminous weed, *Sesbania punicea*. *Bulletin of Entomological Research* 82: 343-347.
- Hoffmann, J. H. and V. C. Moran. 1998. The population dynamics of an introduced tree, *Sesbania punicea*, in South Africa, in response to long-term damage caused by different combinations of three species of biological control agents. *Oecologia* 114: 343-348.

- Hoffmann, M. P., L. T. Wilson, F. G. Zalom, and R. J. Hilton. 1991. Dynamic sequential sampling plan for *Helicoverpa zea* (Lepidoptera: Noctuidae) eggs in processing tomatoes: parasitism and temporal patterns. *Environmental Entomology* 20: 1005-1012.
- Hoffmann, J. H., V. C. Moran, and D. A. Zeller. 1998a. Long-term population studies and the development of an integrated management programme for control of *Opuntia stricta* in Kruger National Park, South Africa. *Journal of Applied Ecology* 35: 156-160.
- Hoffmann, J. H., V. C. Moran, and D. A. Zeller. 1998b. Evaluation of *Cactoblastis cactorum* (Lepidoptera: Phycitidae) as a biological control agent of *Opuntia stricta* (Cactaceae) in the Kruger National Park, South Africa. *Biological Control* 12: 20-24.
- Hoffmann, J.H., and V.C. Moran. 1995. Localized failure of a weed biological control agent attributed to insecticide drift. *Agriculture, Ecosystems and Environment* 52: 197-203.
- Hofte, H. and H. R. Whiteley. 1989. Insecticidal crystal proteins of *Bacillus thuringiensis*. *Microbiological Review* 53: 242-255.
- Hokkanen, H. M. T. and D. Pimentel. 1984. New approach for selecting biological control agents. *The Canadian Entomologist* 116: 1109-1121.
- Hokkanen, H. M. T. and D. Pimentel. 1989. New associations in biological control: theory and practice. *The Canadian Entomologist* 121: 829-840.
- Hokkanen, H., G. B. Husberg, and M. Söderblom. 1988. Natural enemy conservation for the integrated control of the rape blossom beetle *Meligethes aeneus* F. *Annales Agriculturae Fenniae* 27: 281-293.
- Hölldobler, B. and E. O. Wilson. 1990. *The Ants*. The Belknap Press of Harvard University Press, Cambridge, Massachusetts, USA.
- Holling, C. S. 1959. Some characteristics of simple types of predation and parasitism. *The Canadian Entomologist* 91: 385-98.
- Holling, C. S. 1965. The functional response of predators to prey density and its role in mimicry and population regulation. *Memoirs of the Entomological Society of Canada* 45: 3-60.
- Holst, N. and W. G. Meikle. 2003. *Teretrius nigrescens* against larger grain borer, *Prostephanus truncatus*, in African maize stores: biological control at work? *Journal of Applied Ecology* 40: 307-319.
- Holt, J., D. R. Wareing, and G. A. Norton. 1992. Strategies of insecticide use to avoid resurgence of *Nilaparvata lugens* (Homoptera; Delphacidae) in tropical rice: A simulation analysis. *Journal of Economic Entomology* 85: 1979-1989.1
- Holt, R. D. 1977. Predation, apparent competition, and the structure of prey communities. *Theoretical Population Biology* 12: 197-229.
- Holt, R. D. and M. E. Hochberg. 2001. Indirect interactions, community modules, and biological control: a theoretical perspective, pp. 13-38. In: Wajnberg, E., J. K. Scott, and P. C. Quimby (eds.). *Evaluating Indirect Effects of Biological Control*. CABI Publishing, Wallingford, United Kingdom.
- Hominick, W. M. and A. P. Reid. 1990. Perspectives on entomopathogenic nematology, pp. 327-345. In: Gaugler, R. and H. Kaya (eds.). *Entomopathogenic Nematodes in Biological Control*. CRC Press, Inc. Boca Raton, Florida, USA.

- Hone, J. 1994. *Analysis of Vertebrate Pest Control*. Cambridge University Press, Cambridge, United Kingdom. 258 pp.
- Honée, G. and B. Visser. 1993. The mode of action of *Bacillus thuringiensis* crystal proteins. *Entomologia Experimentalis et Applicata* 69: 145-155.
- Hood, W. G. and R. J. Naiman. 2000. Vulnerability of riparian zones to invasion by exotic vascular plants. *Plant Ecology* 148: 105-114.
- Hoogendoorn, M, G. E. Heimpel. 2001. PCR-based gut content analysis of insect predators: using ribosomal ITS-1 fragments from prey to estimate predation frequency. *Molecular Ecology* 10: 2059-2067.
- Hopen, H. J., F. L. Caruso, and T. A. Bewick. 1997. Control of dodder in cranberry, *Vaccinium macrocarpon*, with a pathogen-based bioherbicide, pp. 427-428. *In: Anon. Proceedings of the Sixth International Symposium on Vaccinium culture*. Orno, Maine, USA.
- Hopper, K. R. and R. T. Roush. 1993. Mate finding, dispersal, number released, and the success of biological control introductions. *Ecological Entomology* 18: 321-331.
- Hopper, K. R., R. T. Roush, and W. Powell. 1993. Management of genetics of biological-control introductions. *Annual Review of Entomology* 38: 27-51.
- Horiguchi, T., Z. Li, S. Uno, M. Shimizu, H. Shiraiishi, M. Morita, J. A. Thompson, and C. D. Levings. 2004. Contamination of organotin compounds and imposex in mollusks from Vancouver, Canada. *Marine Environmental Research* 57: 75-88.
- Hossain, Z., G. M. Gurr, and S. D. Wratten. 2001. Habitat manipulation in lucerne (*Medicago sativa* L.): strip harvesting to enhance biological control of insect pests. *International Journal of Pest Management* 47: 81-87.
- Hossain, Z., G. M. Gurr, S. D. Wratten, and A. Raman. 2002. Habitat manipulation in lucerne, *Medicago sativa*: arthropod population dynamics in harvested and "refuge" crop strips. *Journal of Applied Ecology* 39: 445-454.
- Hoti, S. I. and K. Balaraman. 1990. Utility of cheap carbon and nitrogen sources for the production of a mosquito-pathogenic fungus, *Lagenidium*. *Indian Journal of Medical Research, Section A, Infectious Diseases*. 91: 67-69.
- Howard, F. W., R. W. Pemberton, A. Hamon, G. Hodges, C. M. Mannion, D. McLean, and J. Wofford. 2002. Lobate lac scale, *Paratachardina lobata lobata* (Hemiptera: Stenorrhycha: Coccoidea: Kerridae). Featured Creatures, University of Florida. Web Published: http://creatures.ifas.ufl.edu/orn/scales/lobate_lac.htm.
- Howard, L. O. and W. F. Fiske. 1911. The importation into the United States of the parasites of the gipsy-moth and the brown-tail moth. *United States Department of Agriculture, Bureau of Entomology Bulletin* No. 91.
- Howard, R. W. and P. W. Flinn. 1990. Larval trails of *Cryptolestes ferrugineus* (Coleoptera: Cucujidae) as kairomonal host-finding cues for the parasitoid *Cephalonomia waterstoni* (Hymenoptera: Bethyridae). *Annals of the Entomological Society of America* 83: 239-244.
- Howarth, F. G. 1983. Classical biocontrol: Panacea or Pandora's box. *Proceedings of the Hawaiian Entomological Society* 24 (2/3): 239-244.
- Howarth, F. G. 1991. Environmental impacts of classical biological control. *Annual Review of Entomology* 36:485-509.

- Howell, P. G. 1984. An evaluation of the biological control of the feral cat *Felis catus* (Linnaeus, 1758). *Acta Zoologica Fennica* 172: 111-113.
- Hoy, M. A. 1982. Aerial dispersal and field efficacy of a genetically improved strain of the spider mite predator *Metaseiulus occidentalis*. *Entomologia Experimentalis et Applicata* 32: 205-212.
- Hoy, M. A. 1990. Pesticide resistance in arthropod natural enemies: variability and selection responses, pp. 203-236. In: Roush, R. T. and B. E. Tabashnik (eds.). *Pesticide Resistance in Arthropods*. Chapman and Hall, New York.
- Hoy, M.A. 1994. *Insect Molecular Genetics*. Academic Press, San Diego, CA, USA.
- Hoy, M. A. and F. E. Cave. 1988. Guthion-resistant strain of walnut aphid parasite. *California Agriculture* 42 (4): 4-5.
- Hoy, M. A. and F. E. Cave. 1989. Toxicity of pesticides used on walnuts to a wild and azinphosmethyl-resistant strain of *Trioxys pallidus* (Hymenoptera: Aphididae). *Journal of Economic Entomology* 82: 1585-1592.
- Hoy, M. A., P. H. Westigard, and S. C. Hoyt. 1983. Release and evaluation of laboratory-selected, pyrethroid-resistant strains of the predaceous mite *Typhlodromus occidentalis* (Acarina: Phytoseiidae) into southern Oregon pear orchards and Washington apple orchards. *Journal of Economic Entomology* 76: 383-388.
- Hoy, M. A., F. E. Cave, R. H. Beede, J. Grant, W. H. Krueger, W. H. Olson, K. M. Spollen, W. W. Barnett, L. C. Barnett, and L. C. Hendicks. 1990. Release, dispersal, and recovery of a laboratory-selected strain of the walnut aphid parasite *Trioxys pallidus* (Hymenoptera: Aphididae) resistant to azinphosmethyl. *Journal of Economic Entomology* 83: 89-96.
- Hoyt, S. C. and L. E. Caltagirone. 1971. The developing programs of integrated control of pests of apples in Washington and peaches in California, pp. 395-421. In: Huffaker, C. B. (ed.). *Biological Control*. Plenum Press, New York.
- Hua, L. Z., F. Lammes, J. C. van Lenteren, P. W. T. Huisman, A. van Vianen, and O. M. B. de Ponti. 1987. The parasite-host relationship between *Encarsia formosa* Gahan (Hymenoptera, Aphelinidae) and *Trialeurodes vaporariorum* (Westwood) (Homoptera: Aleyrodidae). XXV. Influence of leaf structure on the searching activity of *Encarsia formosa*. *Journal of Applied Entomology* 104: 297-304.
- Huber, J. 1986. Use of baculoviruses in pest management programs, pp. 181-202. In: Granados, R. R. and B. A. Federici (eds.). *The Biology of Baculoviruses: Volume II. Practical Application for Insect Control*. CRC Press, Boca Raton, Florida, USA.
- Huber, J. 1990. History of CPGV as a biological control agent – its long way to a commercial viral pesticide, pp. 424-427. In: Pinnock, D. E. (ed.). 5th *International Colloquium on Invertebrate Pathology and Microbial Control*. Department of Entomology, University of Adelaide; Glen Osmond, South Australia, 20-24, August, 1990.
- Hufbauer, R. A. and G. K. Roderick. 2005. Microevolution in biological control: mechanisms, patterns and processes. *Biological Control* 35: 227-239.
- Hufbauer, R. A., S. M. Bogdanowicz, and R. G. Harrison. 2004. The population genetics of a biological control introduction: mitochondrial DNA and microsatellite variation in native and introduced populations of *Aphidius ervi*, a parasitoid wasp. *Molecular Ecology* 13: 337-348.

- Huffaker, C. B. and C. E. Kennett. 1956. Experimental studies on predation: (1) Predation and cyclamen mite populations on strawberries in California. *Hilgardia* 26: 191-222.
- Huffaker, C. B. and C. E. Kennett. 1969. Some aspects of assessing efficiency of natural enemies. *The Canadian Entomologist* 101: 425-447.
- Huffaker, C. B. and P. S. Messenger. 1964. The concept and significance of natural control, pp. 74-117. In: DeBach, P. (ed.). *Biological Control of Insect Pests and Weed*. Chapman and Hall, London.
- Huffaker, C. B. and P. S. Messenger (eds.). 1976. *Theory and Practice of Biological Control*. Academic Press, New York.
- Huffaker, C. B., J. Hamai, and R. M. Nowierski. 1983. Biological control of puncturevine, *Tribulus terrestris* in California after twenty years of activity of introduced weevils. *Entomophaga* 28: 387-400.
- Hughes, R. F. and J. S. Denslow. 2005. Invasion by a N₂-fixing tree alters function and structure in wet lowland forests of Hawaii. *Ecological Applications* 15: 1615-1628.
- Hull, L. A. and E. H. Beers. 1985. Ecological selectivity: modifying chemical control practices to preserve natural enemies, pp. 103-122. In: Hoy, M. A. and D. C. Herzog (eds.). *Biological Control in Agricultural IPM Systems*. Academic Press, Orlando, Florida, USA.
- Hull, L. A., K. D. Hickey, and W. W. Kanour. 1983. Pesticide usage patterns and associated pest damage in commercial apple orchards of Pennsylvania. *Journal of Economic Entomology* 76: 577-583.
- Humber, R. A. 1981. An alternative view of certain taxonomic criteria used in the Entomophthorales (Zygomycetes). *Mycotaxon* 13: 191-240.
- Hunter, C. D. 1997. *Suppliers of Beneficial Organisms in North America*. California Environmental Protection Agency, Sacramento, California, USA.
- Hunt-Joshi, T. R., B. Blossey, and R. B. Root. 2004. Root and leaf herbivory on *Lythrum salicaria*: implications for plant performance and communities. *Ecological Applications* 14: 1574-1578
- Hunt-Joshi, T. R., R. B. Root, and B. Blossey. 2005. Disruption of weed biological control by an opportunistic mirid predator. *Ecological Applications* 15: 861-870.
- Hurd, H. 1993. Reproductive disturbances induced by parasites and pathogens of insects, pp. 87-105. In: Beckage, N. E., S. N. Thompson, and B. A. Federici (eds.). *Parasites and Pathogens of Insects, Volume I. Parasites*. Academic Press, New York.
- Hurst, G. D. D. and F. M. Jiggins. 2000. Male-killing bacteria in insects: Mechanisms, incidence, and implications. *Emerging Infectious Diseases* 6: 329-336.
- Hurst, G. and F. Jiggins. 2005. Problems with mitochondrial DNA as a marker in population, phylogeographic and phylogenetic studies: the effects of inherited symbionts. *Proceedings of the Royal Society, London B* 272: 1525-1534.
- Hussey, N. W. 1985. History of biological control in protected culture, pp. 11-22. In: Hussey, W. N. and N. Scopes. *Biological Pest Control: The Glasshouse Experience*, Cornell University Press, Ithaca, New York, USA.

- Ide M. S., C. Muñoz A., M. Beéche C., J. Mondaca E., L. Jacques R., P. González E. y C. Goy-coolea P. 2006. Detección y control biológico de *Glycaspis brimblecombei* Moore (Hemiptera: Psyllidae). Gobierno de Chile. SAG. 32 p.
- Ignoffo, C. M. 1973. Development of a viral insecticide: Concept to commercialization. *Experimental Parasitology* 33: 380-406.
- Ignoffo, C. M., C. Garcia, R. W. Kapp, and W. B. Coate. 1979. An evaluation of the risks to mammals of the use of an entomopathogenic fungus, *Nomuraea rileyi*, as a microbial insecticide. *Environmental Entomology* 8: 354-359.
- Ignoffo, C. M., C. Garcia, D. L. Hostetter, and R. E. Pinnell. 1980. Transplanting: a method of introducing an insect virus into an ecosystem. *Environmental Entomology* 9: 153-154.
- Ignoffo, C. M., B. S. Shasha, and M. Shapiro. 1991. Sunlight ultraviolet protection of the *Heliothis* nuclear polyhedrosis virus through starch-encapsulation technology. *Journal of Invertebrate Pathology* 57: 134-136.
- Iline, I. I. and C. B. Phillips. 2004. Allozyme markers to help define the South American origins of *Microctonus hyperodae* (Hymenoptera: Braconidae) established in New Zealand for biological control of Argentine stem weevil. *Bulletin of Entomological Research* 94: 229-234.
- Impson, F. A. C. and V. C. Moran. 2004. Thirty years of exploration for and selection of a succession of *Melanterius* weevil species for biological control of invasive Australian acacias in South Africa: should we have done anything differently? pp. 127-134. *In: Cullen, J. M. D. T. Briese, D. J. Kriticos, W. M. Lonsdale, L. Morin, and J. K. Scott. Proceedings of the XIth International Symposium on Biological Control of Weeds, Canberra, Australia, 27 April – 2 May 2003.* CSIRO Entomology, Canberra, Australia.
- Impson, F. A. C., V. C. Moran, and J. H. Hoffmann. 1999. A review of the effectiveness of seed-feeding bruchid beetles in the biological control of mesquite, *Prosopis* species (Fabaceae), in South Africa. *African Entomology Memoir* 1: 81-88.
- Inari, N., T. Nagamitsu, T. Kenta, K. Goka, and T. Hiura. 2005. Spatial and temporal pattern of introduced *Bombus terrestris* abundance in Hokkaido, Japan, and its potential impact on native bumblebees. *Population Ecology* 47: 77-82.
- Inoue, K., M. Osakabe, and W. Ashihara. 1987. Identification of pesticide-resistant phytoseiid mite populations in citrus orchards, and on grapevines in glasshouses and vinyl-houses (Acarina: Phytoseiidae). *Japanese Journal of Applied Entomology and Zoology* 31: 398-403.
- Irvin, N. A., S. L. Scarratt, S. D. Wratten, C. M. Frampton, R. B. Chapman, and J. M. Tylianakis. 2006. The effects of floral understoreys on parasitism of leafrollers (Lepidoptera: Tortricidae) on apples in New Zealand. *Agricultural and Forest Entomology* 8: 25-34.
- Ishibashi, N. and E. Kondo. 1990. Behavior of infective juveniles, pp. 139-150. *In: Gaugler, R. and H. Kaya (eds.). 1990. Entomopathogenic Nematodes in Biological Control.* CRC Press, Inc. Boca Raton, Florida, USA.
- Ishiwata, S. 1910. On a type of severe flacherie (sotto disease). *Dainihon Sanshi Kaiho* 114: 1-5 (original in Japanese).
- Ives, A. R., P. Kareiva, and R. Perry. 1993. Response of a predator to variation in prey density at three hierarchical scales: lady beetles feeding on aphids. *Ecology* 74: 1929-1938.

- Ives, W. G. H. 1976. The dynamics of larch sawfly (Hymenoptera: Tenthredinidae) populations in southeastern Manitoba. *The Canadian Entomologist* 108: 701-730.
- Jackson, M. A., S. Cliquet, and L. B. Iten. 2003. Media and fermentation processes for the rapid production of high concentrations of stable blastospores of the bioinsecticide fungus *Paecilomyces fumosoroseus*. *Biocontrol Science and Technology* 13: 23-33.
- Jackson, R. E. and H. N. Pitre. 2004. Influence of RoundUp Ready® soybean production systems and glyphosate applications on pest and beneficial insects in wide-row soybean. *Journal of Agricultural and Urban Entomology* 21: 61-70.
- Jackson, R. J., A. J. Ramsay, C. D. Christensen, S. Beaton, D. F. Hall, and I. A. Ramshaw. 2001. Expression of mouse interleukin-4 by a recombinant ectromelia virus suppresses cytolytic lymphocyte responses and overcomes genetic resistance to mousepox. *Journal of Virology* 75: 1205-1210.
- Jackson, T. A. 1990. Commercial development of *Serratia entomophila* as a biocontrol agent for the New Zealand grass grub, p. 15. In: Pinnock, D. E. (ed.). *Vth International Colloquium on Invertebrate Pathology and Microbial Control*. Department of Entomology, University of Adelaide; Glen Osmond, South Australia, 20-24, August, 1990.
- Jackson, T. A. 1994. Development of biopesticides – lessons from Invade®, a commercial microbial control agent for the New Zealand grass grub. In: Monsour, C. J., S. Reid, and R. E. Teakle (eds.). *Biopesticides: Opportunities for Australian Industry*. Proceedings of the 1st Brisbane Symposium, June 9-10, 1994.
- Jackson, T. A. and W. M. Wouts. 1987. Delayed action of an entomophagous nematode (*Heterorhabditis* sp. [V16]) for grass grub control, pp. 33-35. *Proceedings of the New Zealand Weed and Pest Control Conference*. Palmerston North, New Zealand, New Zealand Weed and Pest Control Society.
- Jackson, T. A., A. M. Crawford, and T. R. Glare. 2005. *Oryctes* virus – time for a new look at a useful biocontrol agent. *Journal of Invertebrate Pathology* 89: 91-94.
- Jacobs, S. E. 1951. Bacteriological control of the flour moth, *Ephestia kuehniella* Z. *Proceedings of the Society of Applied Bacteriology* 13: 83-91.
- Jacobson, R. J. and P. Croft. 1998. Strategies for the control of *Aphis gossypii* Glover (Hom.: Aphididae) with *Aphidius colemani* Viereck (Hym.: Braconidae) in protected cucumbers. *Biocontrol Science and Technology* 8: 377-387.
- Jaffe, M. 1994. *And No Birds Sing*. Simon and Schuster, New York.
- Jaga, K. and C. Dharmani. 2003. Global surveillance of DDT and DDE levels in human tissues. *International Journal of Occupational Medicine and Environmental Health* 16: 7-20.
- Jakes, K. A., P. J. Donoghue, and J. Whittier. 2003. Ultrastructure of *Hepatozoon boiga* (Mackerras, 1961) nov. comb. from brown tree snakes, *Boiga irregularis*, from northern Australia. *Parasitology Research* 3: 225-231.
- Jamal, E. and G. C. Brown. 2001. Orientation of *Hippodamia convergens* (Coleoptera: Coccinellidae) larvae to volatile chemicals associated with *Myzus nicotianae* (Homoptera: Aphididae). *Environmental Entomology* 30: 1012-1016.
- James, C. 2002. Global review of commercialized transgenic crops: 2001. Feature: Bt. Cotton. *ISAAA Briefs No. 26*.

- James, D. G. 1989. Overwintering of *Amblyseius victoriensis* (Womersley) (Acarina: Phytoseiidae) in southern New South Wales. *General Applied Entomology* 21: 51-55.
- James, D. G. 1990. Biological control of *Tetranychus urticae* Koch (Acarina: Tetranychidae) in southern New South Wales peach orchards: the role of *Amblyseius victoriensis*. *Australian Journal of Zoology* 37: 645-655.
- James, D. G. 1993. Pollen, mould mites, and fungi: improvements to mass rearing of *Typhlodromus doreenae* and *Amblyseius victoriensis*. *Experimental and Applied Acarology* 14: 271-276.
- James, D. G. 2003. Synthetic herbivore-induced plant volatiles as field attractants for beneficial insects. *Environmental Entomology* 32: 977-982.
- James, D. G. 2005. Further field evaluation of synthetic herbivore-induced plant volatiles as attractants for beneficial insects. *Journal of Chemical Ecology* 31: 481-495.
- James, D. G. 2006. Methyl salicylate is a field attractant for the goldeneyed lacewing, *Chrysopa oculata*. *Biocontrol Science and Technology* 16: 107-110.
- James, D. G. and T. R. Grasswitz. 2005. Synthetic herbivore-induced plant volatiles increase field captures of parasitic wasps. *BioControl* 50: 871-880.
- James, D. G. and T. S. Price. 2004. Field-testing of methyl salicylate for recruitment and retention of beneficial insects in grapes and hops. *Journal of Chemical Ecology* 30: 1613-1628.
- James, D. G. and J. Whitney, 1993. Mite populations on grapevines in southeastern Australia: implications for biological control of grapevine mites. *Experimental and Applied Acarology* 17: 259-270.
- James, D. G., M. M. Stevens, K. J. O'Malley, and R. J. Faulder. 1999. Ant foraging reduces the abundance of beneficial and incidental arthropods in citrus canopies. *Biological Control* 14: 121-126.
- James, R. R., P. B. McEvoy, and C. S. Cox. 1982. Combining the cinnabar moth (*Tyria jacobaeae*) and the ragwort flea beetle (*Longitarsus jacobaeae*) for control of ragwort (*Senecio jacobaea*): an experimental analysis. *Journal of Applied Ecology* 29: 589-596.
- Jansson, R. K. 1993. Introduction of exotic entomopathogenic nematodes (Rhabditida: Heterorhabditidae and Steinernematidae) for biological control of insects: potential and problems. *Florida Entomologist* 76: 82-96.
- Janzen, D. H. 1979. New horizons in the biology of plant defenses, pp. 331-350. *In*: Rosenthal, G. A. and D. H. Janzen (eds.). *Herbivores: Their Interaction with Secondary Plant Metabolites*. Academic Press, Inc. New York.
- Jarvis C. H. and R. H. A. Baker. 2001. Risk assessment for nonindigenous pests: I. Mapping the outputs of phenology models to assess the likelihood of establishment. *Diversity and Distributions* 7: 223-235.
- Jenkins, N. E. and D. Grzywacz. 2000. Quality control of fungal and viral biocontrol agents – assurance of product performance. *Biocontrol Science and Technology* 10: 753-777.
- Jepson, P. C. (ed.). 1989. *Pesticides and Non-Target Invertebrates*. Intercept, Wimborne, Dorset, United Kingdom.
- Jervis, M. A. and N. A. C. Kidd. 1986. Host-feeding strategies in hymenopteran parasitoids. *Biological Reviews* 61: 395-434.

- Jervis, M. and N. Kidd. 1996. *Insect Natural Enemies: Practical Approaches to their Study and Evaluation*. Chapman and Hall, London.
- Jervis, M. A. and P. N. Ferns. 2004. The timing of egg maturation in insects: ovigeny index and initial egg load as measures of fitness and resource allocation. *Oikos* 107: 449-460.
- Jeyaprakash, A. and M. A. Hoy. 2000. Long PCR improves *Wolbachia* DNA amplification: wsp sequences found in 76% of sixty-three arthropod species. *Insect Molecular Biology* 9: 393-405.
- Jhansi, L. V., K. Krishnaih, T. Lingaiah, and I. C. Pasalu. 2000. Rice leafhopper and planthopper honeydew as a source of host searching kairomone for the mired predator, *Cyrtorhinus lividipennis* (Reuter) (Hemiptera: Miridae). *Journal of Biological Control* 14: 7-13.
- Johnson, D. M. and P. D. Stiling. 1996. Host specificity of *Cactoblastis cactorum* (Lepidoptera: Pyralidae), an exotic *Opuntia*-feeding moth, in Florida. *Environmental Entomology* 25: 743-748.
- Johnson, D. and P. D. Stiling. 1998. Distribution and dispersal of *Cactoblastis cactorum* (Lepidoptera: Pyralidae), an exotic *Opuntia*-feeding moth, in Florida. *Florida Entomologist* 81: 12-22.
- Johnson, M. T., P. A. Follett, A. D. Taylor, and V. P. Jones. 2005. Impacts of biological control and invasive species on a non-target native Hawaiian species. *Oecologia* 142: 529-540.
- Johnson, M. W. and A. H. Hara. 1987. Influence of host crop on parasitoids (Hymenoptera) of *Liriomyza* spp. (Diptera: Agromyzidae). *Environmental Entomology* 16: 339-344.
- Johnson, N. 2005. *Catalog of the World Proctotrupoidea, excluding Platygasteridae*. Memoirs of the American Entomological Institute 51.
- Jolivet, P. and K. K. Verma. 2002. *Biology of Leaf Beetles*. Intercept Ltd., Andover, United Kingdom.
- Jolly, S. E., 1993. Biological control of possums. *New Zealand Journal of Zoology* 20: 335-339.
- Jones, D. 1985. Endocrine interaction between host (Lepidoptera) and parasite (Cheloninae: Hymenoptera): is the host or the parasite in control? *Annals of the Entomological Society of America* 78: 141-148.
- Jones, D., G. Jones, R. A. Van Steenwyk, and B. D. Hammock. 1982. Effect of the parasite *Copidosoma truncatellum* on development of its host *Trichoplusia ni*. *Annals of the Entomological Society of America* 75: 7-11.
- Jones, D., M. Snyder, and J. Granett. 1983. Can insecticides be integrated with biological control agents of *Trichoplusia ni* in celery? *Entomologia Experimentalis et Applicata* 33: 290-296.
- Jones, H. P., R. Williamhenry, G. R. Howald, B. Tershy, and D. Croll. 2005. Predation of artificial *Xanthus*'s murrelet (*Synthliboramphus hypoleucus scrippsi*) nests before and after black rat (*Rattus rattus*) eradication. *Environmental Conservation* 32: 320-325.
- Jones, S. A., R. J. Hodges, L. A. Birkinshaw, and D. R. Hall. 2004. Responses of *Teretrius nigrescens* towards the dust and frass of its prey, *Prostephanus truncatus*. *Journal of Chemical Ecology* 30: 1629-1646.
- Jones, W. A. 1988. World review of the parasitoids of the southern green stink bug, *Nezara viridula* (L.) (Heteroptera: Pentatomidae). *Annals of the Entomological Society of America* 81: 262-273.

- Jones, W. A. and S. M. Greenberg. 1998. Suitability of *Bemisia argentifolii* (Homoptera: Aleyrodidae) instars for the parasitoid *Eretmocerus mundus* (Hymenoptera: Aphelinidae). *Environmental Entomology* 27:1569-1573.
- Jong, M. D. de. 2000. The BioChon story: deployment of *Chondrostereum purpureum* to suppress stump sprouting in hardwoods. *Mycologist* 14 (2): 58-62.
- Jongejans, E., A. W. Sheppard, and K. Shea. 2006. What controls the population dynamics of the invasive thistle *Carduus nutans* in its native range? *Journal of Applied Ecology* 43: 877-886.
- Jonsen, I. D., R. S. Bouchier, and J. Roland. 2001. The influence of matrix habitat on *Aphthona* flea beetle immigration to leafy spurge patches. *Oecologia* 127: 287-294.
- Joshi, J. and K. Vrieling. 2005. The enemy release and EIC hypothesis revisited: incorporating the fundamental difference between specialist and generalist herbivores. *Ecology Letters* 8: 704-714.
- Joshi, R. K. and S. K. Sharma. 1989. Augmentation and conservation of *Epiricania melanoleuca* Fletcher, for the population management of sugarcane leafhopper, *Pyrilla perpusilla* Walker, under arid conditions of Rajasthan. *Indian Sugar* 39 (8): 625-628.
- Jousson, O., J. Pawlowski, L. Zaninetti, F. W. Zechman, F. Dini, G. di Guiseppe, R. Woodfield, A. Millar, and A. Meinesz. 2000. Invasive alga reaches California. *Nature* 408: 157-158.
- Julien, M. H. 1981. Control of aquatic *Alternanthera philoxeroides* in Australia; another success for *Agasicles hygrophila*, pp. 583-588. In: Delfosse, E. S. (ed.). *Proceedings of the V International Symposium on Biological Control of Weeds, 22-29 July 1980, Brisbane, Australia*. CSIRO, Melbourne, Australia.
- Julien, M. H. 1982. *Biological Control of Weeds: A World Catalogue of Agents and their Target Weeds*. Commonwealth Institute of Biological Control, Commonwealth Agricultural Bureaux, Surry, Great Britain.
- Julien, M. H. and M. W. Griffiths (eds.). 1998. *Biological Control of Weeds: A World Catalogue of Agents and their Target Weeds, 4th ed.* CABI Publishing, Wallingford, United Kingdom.
- Julien, M. H., J. D. Kerr, and R. R. Chan. 1984. Biological control of weeds: an evaluation. *Protection Ecology* 7: 3-25.
- Julien, M. H., T. D. Center, and P. W. Tipping. 2002. Floating fern (salvinia), pp. 17-32. In: Coombs, E. M., J. K. Clark, G. L. Piper, and A. F. Cofrancesco, Jr. (eds.). *Biological Control of Invasive Plants in the United States*. Oregon State University Press, Corvallis, Oregon, USA.
- Kabaluk, T. and K. Gazdik, 2004. *Directory of Microbial Pesticides for Agricultural Crops in the OECD Countries*. Agriculture and Agri-Food Canada. Available on line at http://www.agr.gc.ca/env/pdf/cat_e.pdf (accessed January, 2006)
- Kainoh, Y., S. Tatsuki, H. Sugie, and Y. Tamaki. 1989. Host egg kairomones essential for egg-larval parasitoid, *Ascogaster reticulatus* Watanabe (Hymenoptera: Braconidae). II. Identification of internal kairomone. *Journal of Chemical Ecology* 15: 1219-1229.
- Kainoh, Y., S. Tatsuki, and T. Kusano. 1990. Host moth scales: a cue for host location for *Ascogaster reticulatus* Watanabe (Hymenoptera: Braconidae). *Applied Entomology and Zoology* 25: 17-25.

- Kairo, M. T. K., G. V. Pollard, D. D. Peterkin, and V. F. Lopez. 2000. Biological control of the hibiscus mealybug, *Maconellicoccus hirsutus* Green (Hemiptera: Pseudococcidae) in the Caribbean. *Integrated Pest Management Reviews* 5: 241-254.
- Kalaydjiev, S. K., M. Vasilevska, and L. Nakov. 2000. Common egg envelope antigens are limited to animal class. *Theriogenology* 53: 1467-1475.
- Kamal, M. 1951. Biological control projects in Egypt, with a list of introduced parasites and predators. *Bulletin de la Société Fouad I d'Entomologie (now Bulletin de la Société Entomologique d'Egypte)*. 35: 205-220.
- Kankare, M., S. Van Nouhuys, and I. Hanski. 2005. Genetic divergence among host-specific cryptic species in *Cotesia melitaearum* aggregate (Hymenoptera: Braconidae), parasitoids of checkerspot butterflies. *Annals of the Entomological Society of America* 98: 382-394.
- Karban, R. and J. H. Myers. 1989. Induced plant responses to herbivory. *Annual Review of Ecology and Systematics* 20: 331-348.
- Kareiva, P. and R. Perry, 1989. Leaf overlap and ability of ladybird beetles to search among plants. *Ecological Entomology* 14: 127-129.
- Kareiva, P. and R. Sahakian. 1990. Tritrophic effects of a simple architectural mutation in pea plants. *Nature* 345: 433-434.
- Kassa, A., D. Stephan, S. Vidal, and G. Zimmermann. 2004. Laboratory and field evaluation of different formulations of *Metarhizium anisopliae* var. *acridum* submerged spores and aerial conidia for the control of locusts and grasshoppers. *BioControl* 49: 63-81.
- Katovich, E. J. S., R. L. Becker, and D. W. Ragsdale. 1999. Effect of *Galerucella* spp. on survival of purple loosestrife (*Lythrum salicaria*) roots and crowns. *Weed Science* 47: 360-365.
- Kawakami, K. 1987. The use of an entomogenous fungus, *Beauveria brongniartii*, to control the yellow-spotted longicorn beetle, *Psacotha hilaris*, pp. 38-9. In: Anon. Biological Pest control for Field Crops, Summaries of papers presented at the International Seminar on Biological Pest Control for Field Crops. Kyushu, Japan, August-September, 1986. Extension Bulletin no. 257, ASPAC Food and Fertilizer Technology Center for the Asian and Pacific Region, Taipei, Taiwan.
- Kaya, H. K. 1985. Entomogenous nematodes for insect control in IPM systems, pp. 283-302. In: Hoy, M. A. and D. C. Herzog (eds.). *Biological Control in Agricultural IPM Systems*. Academic Press, New York.
- Kaya, H. K. 1993. Entomogenous and entomopathogenic nematodes in biological control, pp. 565-591. In: Evans, K., D. L. Trudgill, and J. M. Webster (eds.). *Plant Parasitic Nematodes in Temperate Agriculture*. Commonwealth Agricultural Bureaux International, Cambridge University Press, Cambridge, United Kingdom.
- Kaya, H. K. and R. Gaugler. 1993. Entomopathogenic nematodes. *Annual Review of Entomology* 38: 181-206.
- Kaya, H. K., T. M. Burlando, and G. S. Thurston. 1993. Two entomopathogenic nematode species with different search strategies for insect suppression. *Environmental Entomology* 22: 859-864.
- Kazmer, D. J. 1991. Isoelectric-focusing procedures for the analysis of allozymic variation in minute arthropods. *Annals of the Entomological Society of America* 84: 332-339.

- Kazmer, D. J. and R. F. Luck. 1995. Field tests of the size-fitness hypothesis in the egg parasitoid *Trichogramma pretiosum*. *Ecology* 76: 412-425.
- Kazmer, D. J., K. R. Hopper, D. M. Coutinot, and D. G. Heckel. 1995. Suitability of random amplified polymorphic DNA for genetic markers in the aphid parasitoid, *Aphelinus asychis* Walker. *Biological Control* 5: 503-512.
- Keating, S. T., J. P. Burand, and J. S. Elkinton. 1989. DNA hybridization assay for detection of gypsy moth nuclear polyhedrosis virus in infected gypsy moth (*Lymantria dispar* L.) larvae. *Applied and Environmental Microbiology* 55: 2749-2754.
- Keller, M. A. 1987. Influence of leaf surfaces on movements by the hymenopterous parasitoid *Trichogramma exiguum*. *Entomologia Experimentalis et Applicata* 43: 55-59.
- Kenis, M. and N. J. Mills. 1994. Parasitoids of European species of the genus *Pissodes* (Col.: Curculionidae) and their potential for the biological control of *Pissodes strobi* (Peck) in Canada. *Biological Control* 4: 14-21.
- Kenis, M., R. Tomov, A. Svatos, P. Schlinsog, C. Lopez Vaamonde, W. Heitland, G. Grabenweger, S. Girardoz, J. Freise, and N. Avtzis. 2005. The horse-chestnut leaf miner in Europe – prospects and constraints for biological control, pp. 77-90. In: Hoddle, M. S. (ed.). *2nd International Symposium on Biological Control of Arthropods*, September 12-16, 2005, Davos, Switzerland. FHTET-2005-08. United States Department of Agriculture, Forest Service, Morgantown, West Virginia, USA.
- Kennett, C. E., D. L. Flaherty, and R. W. Hoffmann. 1979. Effect of wind-borne pollens on the population dynamics of *Amblyseius hibisci* (Acarina: Phytoseiidae). *Entomophaga* 24: 83-98.
- Kennett, C. E., J. A. McMurtry, and J. W. Beardsley. 1999. Biological control in subtropical and tropical crops, pp. 713-742. In: Bellows, T.S. and T. W. Fisher (eds.). *Handbook of Biological Control*. Academic Press, San Diego, California, USA.
- Kenney, F. D. 1986. DeVine – The way it was developed – An industrialist's view. *Weed Science* 34 (Supplement 1): 15-16.
- Kerguelen, V. and M. S. Hoddle. 1999. Biological Control of *Oligonychus perseae* (Acari: Tetranychidae) on Avocado: II. Evaluating the Efficacy of *Galendromus helveolus* and *Neoseiulus californicus* (Acari: Phytoseiidae). *International Journal of Acarology* 25: 221-229.
- Kerwin, J. L. 1992. Testing the effects of microorganisms on birds, pp. 729-744. In: Levin, M. A., R. J. Seidler, and M. Rogul (eds.). *Microbial Ecology: Principles, Methods, and Applications*. McGraw-Hill, New York.
- Kerwin, J. L., D. A. Dritz, and R. K. Wahino. 1990. Confirmation of the safety of *Lagenidium giganteum* (Oomycetes: Lagenidiales) to mammals. *Journal of Economic Entomology* 83: 374-376.
- Kessler, P., J. Enkerli, C. Schweizer, and S. Keller. 2004. Survival of *Beauveria brongniartii* in the soil after application as a biocontrol agent against the European cockchafer *Melolontha melolontha*. *BioControl* 49: 563-581.
- Kester, K. M. and P. Barbosa. 1992. Effects of postemergence experience on searching and landing responses of the insect parasitoid, *Coteisa congregata* (Say) (Hymenoptera: Braconidae), to plants. *Journal of Insect Behavior* 5: 301-320.

- Kiesecker, J. M. 2002. Synergism between tramatode infection and pesticide exposure: a link to amphibian limb deformities in nature? *Proceedings of the National Academy of Sciences* 99: 9900-9904.
- Killgore, E. M., L. S. Sugiyama, R. W. Barreto, and D. E. Gardner. 1999. Evaluation of *Colletotrichum gloeosporioides* for biological control of *Miconia calvescens* in Hawaii. *Plant Disease* 83: 964.
- Kfir, R., 1998. Origin of the diamondback moth (Lepidoptera: Plutellidae). *Annals of the Entomological Society of America* 91: 164-167.
- Khetan, S. K. 2001. *Microbial Pest Control*. Marcel Dekker, Inc. New York
- Kidd, M. A. 2005. *Insects as Natural Enemies: A Practical Perspective*. Kluwer, Academic Publishers Dordrecht, The Netherlands.
- Kiefer, H. H., E. W. Baker, T. Kono, M. Delfinado, and W. E. Styer. 1982. *An Illustrated Guide to Plant Abnormalities Caused by Eriophyid Mites in North America*. U. S. Department of Agriculture, Agricultural Research Service, Agricultural Handbook No. 573.
- Kindlmann, P. and A. F. G. Dixon. 1999. Generation time ratios – determinants of prey abundance in insect predator-prey interactions. *Biological Control* 16: 133-138.
- King, A. B. S. y J. L. Saunders. 1984. *Las Plagas Invertebradas de Cultivos Anuales Alimenticios en América Central*. Administración de Desarrollo Extranjero (ODA). Londres, Inglaterra.
- King, E. G., K. R. Hopper, and J. E. Powell. 1985. Analysis of systems for biological control of crop arthropod pests in the U.S. by augmenation of predators and parasites, pp. 201-227. *In*: Hoy, M. A. and D. C. Herzog (eds.). *Biological Control in Agriculutral IPM Systems*. Academic Press, Orlando, Florida, USA.
- King, G. A., A. J. Daugulis, P. Faulkner, D. Bayly, and M. F. A. Goosen. 1988. Growth of baculovirus-infested insect cells in microcapsules to a high cell and virus density. *Biotechnology Letters* 10: 683-688.
- King, J. L. 1931. The present status of the established parasites of *Popillia japonica* Newman. *Journal of Economic Entomology* 24: 453-462.
- Kinnear, J. E., N. R. Sumner, and M. L. Onus. 2002. The red fox in Australia - an exotic predator turned biocontrol agent. *Biological Conservation* 108: 335-359.
- Kinzie, R. A., III. 1992. Predation by the introduced carnivorous snail *Englandia rosea* (Ferus-sac) on endemic aquatic lymnaeid snails in Hawaii. *Biological Conservation* 60: 149-155.
- Kirby, W. and W. Spence. 1815. *An Introduction to Entomology*. Longman, Brown, Green and Longmans, London.
- Kiritani, K. and F. Nakasuji. 1967. Estimations of the stage-specific survival rate in the insect population with overlapping stages. *Researches on Population Ecology* 9: 143-152.
- Kiritani, K., S. Kawahara, T. Sasaba, and F. Nakasuji. 1972. Quantitative evaluation of predation by spiders on the green rice leafhopper, *Nephotettix cinctipes* Uhler, by a sight-count method. *Researches on Population Ecology* 13: 187-200.
- Kirkpatrick, J. F., and K. M. Frank. 2005. Contraception in free ranging wildlife, pp. 195-221. *In*: Asa, C. S. and Porton, I. J. (eds.). *Wildlife Contraception: Issues, Methods, and Applications*. The John Hopkins University Press, Baltimore, Maryland, USA.

- Kirkpatrick, J. F., I. M. K Liu, J. W. Turner, Jr., R. Naugle, and R. Keiper. 1992. Long-term effects of porcine zonae pellucidae immunocontraction on ovarian function in feral horses (*Equus caballus*). *Journal of Reproduction and Fertility* 94: 437-444.
- Kirkpatrick, J. F., J. W. Turner, Jr., I. K. M. Liu, R. Fyrer-Hosken, and A. T. Rutberg. 1997. Case studies in wildlife immunocontraception: wild and feral equids and white-tailed deer. *Reproduction, Fertility and Development* 9: 105-110.
- Kleinjan, C. A., L. Morin, P. B. Edwards, and A. R. Wood. 2004. Distribution, host range, and phenology of the rust fungus *Puccinia myrsiphylli* in South Africa. *Australasian Plant Pathology* 33: 263-271.
- Klingman, D. L. and J. R. Coulson. 1982. Guidelines for introducing foreign organisms into the United States for biological control of weeds. *Weed Science* 30: 661-667.
- Klomp, H. 1958. On the synchronization of the generations of the tachinid *Carcelia obesa* Zett. (= *rutilla* B. B.) and its host *Bupalus piniarus* *Zeitschrift für Angewandte Entomologie* 42: 210-217.
- Kloot, P. M. 1983. The role of common iceplant (*Mesembryanthemum crystallinum*) in the deterioration of medic pastures. *Australian Journal of Ecology* 8: 301-306.
- Kluge, R. L. and P. M. Caldwell. 1992. Microsporidian diseases and biological weed control agents: to release or not to release? *Biocontrol News and Information* 13 (3): 43N-47N.
- Knapp, R. A. and K. R. Matthews. 2000. Non-native fish introductions and the decline of the mountain yellow-legged frog from within protected areas. *Conservation Biology* 14: 128-138.
- Knutson, A. E. and F. E. Gilstrap. 1989. Direct evaluation of natural enemies of the southwestern corn borer (Lepidoptera: Pyralidae) in Texas corn. *Environmental Entomology* 18: 732-739.
- Knutson, A. E. and L. Tedders. 2002. Augmentation of green lacewing, *Chrysoperla rufilabris*, in cotton in Texas. *Southwestern Entomologist* 27: 231-239.
- Knutson, L., R. I. Sailer, W. L. Murphy, R. W. Carlson, and J. R. Dogger. 1990. Computerized data base on immigrant arthropods. *Annals of the Entomological Society of America* 83: 1-18.
- Kobbe, B., J. K. Clark, and S. H. Dreistadt. 1991. *Integrated Pest Management of Citrus*, 2nd Ed. University of California Press, Oakland, California, USA.
- Koch, R. L. 2003. The multicolored Asian lady beetle, *Harmonia axyridis*: a review of its biology, uses in biological control, and non-target impacts. *Journal of Insect Science* 3.32: 1-16, outline publications.
- Komatsu, T., T. Ishikawa, N. Yamaguchi, Y. Hori, and H. Ohba. 2003. But next time? Unsuccessful establishment of the Mediterranean strain of the green seaweed *Caulerpa taxifolia* in the Sea of Japan. *Biological Invasions* 3: 275-278.
- Kondo, A. and T. Hiramatsu. 1999. Resurgence of the peach silver mite, *Aculus fockeui* (Napela et Trouessart) (Acari: Eriophyidae), induced by a synthetic pyrethroid fluralinate. *Applied Entomology and Zoology* 34: 531-534.
- Koppenhöfer, A. M. and E. M. Fuzy. 2003. *Steinernema scarabaei* for the control of white grubs. *Biological Control* 28: 47-59.

- Koppenhöfer, A. M. and H. K. Kaya. 1998. Synergism of imidacloprid and an entomopathogenic nematode: a novel approach to white grub (Coleoptera: Scarabaeidae) control in turfgrass. *Journal of Economic Entomology* 91: 618-623.
- Koss, A. M. and W. E. Snyder. 2005. Alternative prey disrupt biocontrol by a guild of generalist predators. *Biological Control* 32: 243-251.
- Kovach, J. 2004. Impact of multicolored Asian lady beetles as a pest of fruit and people. *American Entomologist* 50 (3): 159-161.
- Koziel, M. G., G. L. Beland, C. Bowman, N. Carozzi, and R. Crenshaw. 1993. Field performance of elite transgenic maize plants expressing an insecticidal protein gene derived from *Bacillus thuringiensis*. *Bio/Technology* 11: 195-200.
- Krantz, G. W. 1978. *A Manual of Acarology*. Oregon State University, Corvallis, Oregon, USA.
- Kraus, F. 2003. Invasion pathways for terrestrial vertebrates, pp. 68-92. *In: Ruiz, G. and J. Carlton (eds.). Invasive Species: Vectors and Management Strategies*. Island Press, Washington, D. C.
- Kraus, F. and D. Cravalho. 2001. The risk to Hawaii from snakes. *Pacific Science* 55: 409-417.
- Krebs, C. J. 1999. *Ecological Methodology*. Addison-Welsey Publisher, New York.
- Krebs, C. J. 2005. *Ecology: The Experimental Analysis of Distribution and Abundance, 5th edition*. Benjamin Cummings, San Francisco, California, USA.
- Krebs, J. R. 1973. Behavioral aspects of predation, pp. 73-111. *In: Bateson, P. P. G. and P. H. Klopfer (eds.). Perspectives in Ethology*. Plenum Press, New York.
- Krieg, A., A. M. Huger, G. A. Langenbruch, and W. Schnetter. 1983. *Bacillus thuringiensis* var. *tenebrionis*: a new pathotype effective against larvae of Coleoptera. *Zeitschrift für Angewandte Entomologie* 96: 500-508
- Krimsky, S. 2000. *Hormonal Chaos, The Scientific and Social Origins of the Environmental Endocrine Hypothesis*. The Johns Hopkins University Press, Baltimore, Maryland, USA.
- Krombein, K.V., P. D. Hurd, Jr., D. R. Smith, and B. D. Burks (eds.). 1979. *Catalog of Hymenoptera in America North of Mexico*. Smithsonian Press, Washington, D.C.
- Kuhar, T. P., M. G. Wright, M. P. Hoffmann, and S. A. Chenus. 2002. Life table studies of European corn borer (Lepidoptera: Crambidae) with and without inoculative releases of *Trichogramma ostriniae* (Hymenoptera: Trichogrammatidae). *Environmental Entomology* 31: 482-489.
- Kuhlmann, U. and P. G. Mason. 2003. Use of field host range surveys for selecting candidate non-target species for physiological host specificity testing of entomophagous biological control agents, pp. 370-377. *In: Van Driesche, R. G. (ed.). Proceedings of the First International Symposium on Biological Control of Arthropods*, Honolulu, Hawaii, USA, January 14-18, 2002, United States Department of Agriculture, Forest Service, Morgantown, West Virginia, USA.
- Kuhlman, U., U. Schaffner, and P. G. Mason. 2006a. Selection of non-target species for host specificity testing, pp. 15-37. *In: Bigler, F., D. Babendreir and U. Kuhlmann (eds.). Environmental Impact of Invertebrates for Biological Control of Arthropods*. Cabi Publishing, Wallingford, United Kingdom.

- Kuhlmann, U., P. G. Mason, H. L. Hinz, B. Blossey, R. A. De Clerck-Floate, L. M. Dossdall, J. P. McCaffrey, M. Schwarzlaender, O. Olfert, J. Brodeur, A. Gassmann, A. S. Gassmann, A. S. McClay, and R. N. Wiedenmann. 2006b. Avoiding conflicts between insect and weed biological control: selection of non-target species to assess host specificity of cabbage seedpod weevil parasitoids. *Journal of Applied Entomology* 130: 129-141.
- Kumar, P., M. Shenhmar, and K. S. Brar. 2004. Field evaluation of trichogrammatids for the control of *Helicoverpa armigera* (Hübner) on tomato. *Journal of Biological Control* 18: 45-50.
- Kuris, A. 2003. Did biological control cause extinction of the coconut moth, *Levuana iridescens*, in Fiji? *Biological Invasions* 5: 133-141.
- Kuris, A. and C. S. Culver. 1999. An introduced sabellid polychaete pest infesting cultured abalones and its potential spread to other California gastropods. *Invertebrate Biology* 118: 391-403.
- Kurtak, D., C. Back, A. Chalifour, J. Doannio, J. Dossou-Yovo, J. Duval, P. Guillet, R. Meyer, M. Ocran, and B. Wahle. 1989. Impact of Bti on blackfly control in the Onchocerciasis control programme in West Africa. *Israel Journal of Entomology* 23: 21-38.
- Kuske, S., D. Babendreier, P. J. Edwards, T. C. J. Turlings, and F. Bigler. 2004. Parasitism of non-target Lepidoptera by mass released *Trichogramma brassicae* and its implication for the larval parasitoid *Lydella thompsoni*. *BioControl* 49: 1-19.
- Lack, D. 1954. *The Natural Regulation of Animal Numbers*. Clarendon Press, Oxford, United Kingdom. 343 pp.
- Lactin D. J., N. J. Holliday, D. L. Johnson, and R. Craigen. 1995. Improved rate model of temperature-dependent development by arthropods. *Environmental Entomology* 24: 68-75.
- Ladd, T. L. and P. J. McCabe. 1966. The status of *Tiphia vernalis* Rohwer, a parasite of the Japanese beetle, in southern New Jersey and southeastern Pennsylvania in 1963. *Journal of Economic Entomology* 59: 480.
- Lafferty, K. D. and A. M. Kuris 1996. Biological control of marine pests. *Ecology* 77: 1989-2000.
- Laing, J. E. and G. M. Eden. 1990. Mass-production of *Trichogramma minutum* Riley on factitious host eggs. *Memoirs of the Entomological Society of Canada* 153: 10-24.
- Laing, J. E. and J. Hamai. 1976. Biological control of insect pests and weeds by imported parasites, predators, and pathogens, pp. 685-743. In: Huffaker, C. B. and P. S. Messenger (eds.). *Theory and Practice of Biological Control*. Academic Press, New York.
- Lake, P. S. and D. J. O'Dowd. 1991. Red crabs in rain forest, Christmas Island: biotic resistance to invasion by an exotic snail. *Oikos* 62: 25-29.
- Lamana, M. L. and J. C. Miller. 1998. Temperature-dependent development in an Oregon population of *Harmonia axyridis* (Coleoptera: Coccinellidae). *Environmental Entomology* 27: 1001-1005.
- Lamine, K., M. Lambin, and C. Alauzet. 2005. Effect of starvation on the searching path of the predatory bug *Deraeocoris lutescens*. *BioControl* 50: 717-727.
- Landis, D. A., D. C. Sebolt, M. J. Haas, and M. Klepinger. 2003. Establishment and impact of *Galerucella californiensis* L. (Coleoptera: Chrysomelidae) on *Lythrum salicaria* L. and associated plant communities in Michigan. *Biological Control* 28: 78-91.

- Lang, A. 2003. Intraguild interference and biocontrol effects of generalist predators in a winter wheat field. *Oecologia* 134: 144-153.
- LaRock, D. R. and J. J. Ellington. 1996. An integrated pest management approach, emphasizing biological control, for pecan aphids. *Southwestern Entomologist* 21: 153-166.
- Latgé, J. P., R. A. Hall, R. I. Cabrera, and J. C. Kerwin. 1986. Liquid fermentation of entomogenous fungi, pp. 603-606. *In: Samson, R. A., J. M. Vlak, and D. Peters (eds.). Fundamental and Applied Aspects of Invertebrate Pathology*. Foundation 4th International Colloquium on Invertebrate Pathology, Wageningen, The Netherlands.
- Lawrence, J. F. 1989. *A Catalog of Coleoptera of America North of Mexico. Family: Derodontidae*. USDA Agriculture Handbook NO. 529-65.
- Lawrence, L. 2006. A new green control for locusts now readily available to farmers. *Biocontrol News and Information* 27 (1): 18N-19N.
- Lawrence, P. O. and B. Lanzrein. 1993. Hormonal interactions between insect endoparasites and their host insects, pp. 59-85. *In: Beckage, N. E., S. N. Thompson, and B. A. Federici (eds.). Parasites and Pathogens of Insects, Volume I. Parasites*. Academic Press, New York.
- Lawson, M. 1995. Rabbit virus threatens ecology after leaping the fence. *Nature* 378: 531.
- Lawton, J. H. 1990. Biological control of plants: a review of generalizations, rules, and principles using insects as agents, pp. 3-17. *In: Bassett, C., L. J. Whitehouse, and J. A. Zabkiewicz (eds.). Alternatives to Chemical Control of Weeds*. New Zealand Ministry of Forestry, FRI Bulletin No. 155. Wellington, New Zealand.
- Leather, S. R., K. F. A. Walters, and J. S. Bale. 1993. *The Ecology of Insect Overwintering*. Cambridge University Press, Cambridge, United Kingdom.
- Leathwick, D. M. and M. J. Winterbourn. 1984. Arthropod predation on aphids in lucerne crop. *New Zealand Entomologist* 8: 75-80.
- Lebedev, G. I. 1970. Utilization des méthodes biologique de lutte biologique contre les insectes nuisibles et les mauveses herbes en Union Soviétique. *Annals of Zoology and Ecology of the Amin. Hors. Series*, pp. 17-23.
- Legaspi, J. C., B. C. Legaspi, Jr. 1997. Life history trade-offs in insects with emphasis on *Podisus maculiventris* (Say) (Heteroptera: Pentatomidae). Thomas Say Publication, Entomological Society of America, Lanham, Maryland, USA.
- Legaspi, J. C. and R. J. O'Neil. 1993. Life history of *Podisus maculiventris* given low numbers of *Epilachna varivestis* as prey. *Environmental Entomology* 22: 1192-1200.
- Legaspi, J. C. and R. J. O'Neil. 1994. Developmental response of nymphs of *Podisus maculiventris* (Heteroptera: Pentatomidae) reared with low numbers of prey. *Environmental Entomology* 23: 374-380.
- Legaspi, J. C., B. C. Legaspi, Jr., R. I. Carruthers, J. Goolsby, W. A. Jones, A. A. Kirk, C. Moomaw, T. J. Poprawski, R. A. Ruiz, N. S. Talekar, and D. Vacek. 1996. Foreign exploration for natural enemies of *Bemisia tabaci* from southeast Asia. *Subtropical Plant Science* 48: 43-48.
- Leger, E. A. and M. L. Forister. 2005. Increased resistance to generalist herbivores in invasive populations of the California poppy (*Eschscholzia californica*). *Diversity and Distributions* 11: 311-317.

- Legner, E. F. 1986. The requirement for reassessment of interactions among dung beetles, symbovine flies and natural enemies. *Entomological Society of America, Miscellaneous Publications* 61: 120-131.
- Legner, E. F. and G. Gordh. 1992. Lower navel orangeworm (Lepidoptera: Phycitidae) population densities following establishment of *Goniozus legneri* (Hymenoptera: Bethyridae) in California. *Journal of Economic Entomology* 85: 2153-2160.
- Legner, E. F., R. D. Sjogren, and I. M. Hall. 1974. The biological control of medically important arthropods. *Critical Reviews in Environmental Control* 4: 85-113.
- Lennartz, F. E. 1973. Modes of dispersal of *Solenopsis invicta* from Brazil into the continental United States – a study in spatial diffusion. M.S. thesis, University of Florida, 242 pp.
- Lenz, C. J., A. H. McIntosh, C. Mazzacano, and U. Monderloh. 1991. Replication of *Heliothis zea* nuclear polyhedrosis virus in cloned cell lines. *Journal of Invertebrate Pathology* 57: 227-233.
- Leppla, N. C. and T. R. Ashley (eds.). 1978. *Facilities for Insect Research and Production*. United States Department of Agriculture Technical Bulletin No. 1576.
- Lester, P. J., H. M. A. Thistlewood, D. B. Marshall, and R. Harmsen. 1999. Assessment of *Amblyseius fallacis* (Acari: Phytoseiidae) for biological control of tetranychid mites in an Ontario peach orchard. *Experimental and Applied Acarology* 23: 995-1009.
- Lever, C. 1994. *Naturalized Animals: The Ecology of Successfully Introduced Species*. Poyser Ltd., London.
- Levin, S.A., 1969. Some demographic and genetic consequences of environmental heterogeneity for biological control. *Bulletin of the Entomological Society of America* 15: 237-240.
- Levine, J. M., P. B. Adler, and S. G. Yelenik. 2004. A meta-analysis of biotic resistance to exotic plant invasions. *Ecology Letters* 7: 975-989.
- Lewis, E. E., J. Campbell, C. Griffin, H. Kaya, and A. Peters. 2006. Behavioral ecology of entomopathogenic nematodes. *Biological Control* 38: 66-79.
- Lewis, P. A., C. J. DeLoach, A. E. Knutson, J. L. Tracy and T. O. Robbins. 2003a. Biology of *Diorhabda elongata deserticola* (Coleoptera: Chrysomelidae), an Asian leaf beetle for biological control of saltcedars (*Tamarix* spp.) in the United States. *Biological Control* 27: 101-116.
- Lewis, P. A., C. J. DeLoach, J. C. Herr, T. L. Dudley, and R. I. Carruthers. 2003b. Assessment of risk to native *Frankenia* shrubs from an Asian leaf beetle, *Diorhabda elongata deserticola* (Coleoptera: Chrysomelidae), introduced for biological control of saltcedars (*Tamarix* spp.) in the western United States. *Biological Control* 27: 148-166.
- Lewis, W. J. and W. R. Martin, Jr. 1990. Semiochemicals for use with parasitoids: status and future. *Journal of Chemical Ecology* 16: 3067-3089.
- Lewis, W. J. and K. Takasu. 1990. Use of learned odors by a parasitic wasp in accordance with host and food needs. *Nature* 348: 635-636.
- Lewis, W. J., J. W. Snow, and R. L. Jones. 1971. A pheromone trap for studying populations of *Cariochiles nigricipes*, a parasite of *Heliothis virescens*. *Journal of Economic Entomology* 64: 1417-1421.

- Lewis, W. J., R. L. Jones, H. R. Gross, Jr., and D. A. Nordlund. 1976. The role of kairomones and other behavioral chemicals in host finding by parasitic insects. *Behavioral Biology* 16: 267-289.
- Lewis, W. J., D. A. Nordlund, R. C. Gueldner, P. E. A. Teal, and J. H. Tumlinson. 1982. Kairomones and their use for management of entomophagous insects. XIII. Kairomonal activity for *Trichogramma* spp. of abdominal tips, excretion, and a synthetic sex pheromone blend of *Heliothis zea* (Boddie) moths. *Journal of Chemical Ecology* 8: 1323-1331.
- Lewis, W. J., L. E. M. Vet, J. H. Tumlinson, J. C. van Lenteren, and D. R. Papaj. 1990. Variations in parasitoid foraging behavior: essential element of a sound biological control theory. *Environmental Entomology* 19: 1183-1193.
- Lewis, W. J., J. H. Tumlinson, and S. Krasnoff. 1991. Chemically mediated associative learning: an important function in the foraging behavior of *Microplitis croceipes* (Cresson). *Journal of Chemical Ecology* 17: 1309-1325.
- Ley, R. R. and C. M. D'Antonio. 1998. Exotic grass invasion alters potential rates of N fixation in Hawaiian woodlands. *Oecologia* 113: 179-187.
- Li, B. P., R. Bateman, G. Y. Li, L. Meng, Y. A. Zheng. 2000. Field trial on the control of grasshoppers in the mountain grassland by oil formulation of *Metarhizium flavoviride*. *Chinese Journal of Biological Control* 16: 145-147.
- Li, L.-Y. 1994. Worldwide use of *Trichogramma* for biological control of on different crops: a survey, pp. 37-51. In: Wajnberg, E. and S. A. Hassan (eds.). *Biological Control with Egg Parasitoids*. CAB International, Oxon, United Kingdom.
- Liebholt, A. M. 1994. Use and abuse of insect and disease models in forest pest management: past, present, and future, pp. 204-210. In: Covington, W. W. and L. F. DeBano (eds.). *Sustainable Ecological Systems: Implementing an Ecological Approach to Land Management*. USDA Forest Service Technical Report RM-247.
- Liebholt, A. M. and J. Bascompte. 2003. The Allee effect, stochastic dynamics and the eradication of alien species. *Ecology Letters* 6: 133-140.
- Liebholt, A. M. and J. S. Elkinton. 1989. Elevated parasitism in artificially augmented populations of *Lymantria dispar* (Lepidoptera: Lymantriidae). *Environmental Entomology* 18: 986-995.
- Liebholt, A. M., J. S. Elkinton, D. Williams, and R. M. Muzika. 2000. What causes outbreaks of gypsy moth in North America? *Population Ecology* 42: 257-266.
- Liljestrom, G. 1980. Nota sobre *Trichopoda giacomellii* (Blanchard) Guimaraes, 1971 (Diptera: Tachinidae), parasitoide de *Nezara viridula* (L.) 1758. Hem. Pentatomidae. *Revista de la Sociedad d'Entomologia d'Argentina* 44: 433-439.
- Lilley, R. and C. A. M. Campbell. 1999. Biological, chemical, and integrated control of two-spotted spider mite *Tetranychus urticae* on dwarf hops. *Biocontrol Science and Technology* 9: 467-473.
- Lind, P. 1998. Encouraging ladybugs. *Journal of Pesticide Reform*. 18 (3): 22-33.
- Linares, B., J. Hernández, J. Morrillo y L. Hernández. 2001. Introducción de *Ageniaspis citricola* Logvinovskaya, 1983 (Hymenoptera: Encyrtidae) para el control del minador de la hoja de

- los cítricos *Phyllocnistis citrella* Stainton (Lepidoptera: Gracillariidae: Phyllocnistinae) en el estado Yaracuy, Venezuela. *Entomotropica* 16: 143-145.
- Lindgren, J. E., K. A. Valero, and B. E. Mackey. 1993. Simple *in vivo* production and storage methods for *Steinernema carpocapsae* infective juveniles. *Journal of Nematology* 25: 193-197.
- Lindquist, R. K. and J. Piatkowski. 1993. Evaluation of entomopathogenic nematodes for control of fungus gnat larvae. *IOBC/WPRS Bulletin* 16: 97-100.
- Liu, J. and R. E. Berry. 1996. *Heterorhabditis marelatus* n. sp. (Rhabditida: Heterorhabditidae) from Oregon. *Journal of Invertebrate Pathology* 67: 48-54.
- Liu, S. J., H. P. Xue, B. Q. Pu, and N. H. Qian. 1984. A new viral disease in rabbits. *Animal Husbandry and Veterinary Medicine* 16: 253-255.
- Liu, Z. C., Y. R. Sun, Z. Y. Wang, J. F. Liu, L. W. Zhang, Q. X. Zhang, K. J. Dai, and Y. G. Goa. 1985. Field release of *Trichogramma confusum* reared on artificial host eggs against sugarcane borers. *Chinese Journal of Biological Control* 3: 2-5 (in Chinese).
- Lodge, D. M., S. K. Rosenthal, K. M. Mavuti, W. Muohi, P. Ochieng, S. S. Stevens, B. N. Mungai, and G. M. Mkoji. 2005. Louisiana crayfish (*Procambarus clarkii*) (Crustacea: Cambaridae) in Kenyan ponds: non-target effects of a potential biological control agent for schistosomiasis. *African Journal of Aquatic Science* 30: 119-124.
- Logan, J. A. 1994. In defense of big ugly models. *American Entomologist* 40: 202-207.
- Loke, W. H. T. R. Ashley. 1984. Behavioral and biological responses of *Cotesia marginiventris* to kairomones of the fall armyworm, *Spodoptera frugiperda*. *Journal of Chemical Ecology* 10: 521-529.
- Lola-Luz, T., M. Downes, and R. Dunne. 2005. Control of black vine weevil larvae *Otiorhynchus sulcatus* (Fabricius) (Coleoptera: Curculionidae) in grow bags outdoors with nematodes. *Agriculture and Forest Entomology* 7: 121-126.
- Long, J. L. 2003. *Introduced Mammals of the World – Their History, Distribution and Influence*. CSIRO Publishing, Collingwood Victoria, Australia.
- Longworth, J. F. and J. Kalmakoff. 1977. Insect viruses for biological control: An ecological approach. *Intervirology* 8: 68-72.
- Lonsdale, W. M. and G. S. Farrell. 1998. Testing the effects on *Mimosa pigra* of a biological control agent *Neurostrota gunniella* (Lepidoptera: Gracillariidae), plant competition and fungi under field conditions. *Biocontrol Science and Technology* 8: 485-500.
- Lonsdale, W. M., K. L. S. Harley, and J. D. Gillett. 1988. Seed bank dynamics in *Mimosa pigra*, an invasive tropical shrub. *Journal of Applied Ecology* 25: 963-976.
- Lonsdale, W. M., G. Farrell, and C. G. Wilson. 1995. Biological control of a tropical weed: a population model and experiment for *Sida acuta*. *Journal of Applied Ecology* 32: 391-399.
- Loope, L. L., O. Hamann, and C. P. Stone. 1988. Comparative conservation biology of oceanic archipelagoes. *BioScience* 38: 272-282.
- Lopez, E. R. and R. G. Van Driesche. 1989. Direct measurement of host and parasitoid recruitment for assessment of total losses due to parasitism in a continuously breeding species, the cabbage aphid *Brevicoryne brassicae* (L.) (Homoptera: Aphididae). *Bulletin of Entomological Research* 79: 47-59.

- Lopez, M., M. Aluja, and J. Sivinski. 1999. Hymenopterous larval-pupal parasitoids of *Anastrepha* flies (Diptera: Tephritidae) in Mexico. *Biological Control* 15: 119-129.
- Lorvelec, O. and M. Pascal. 2005. French alien mammal eradication attempts and their consequences on the native fauna and flora. *Biological Invasions* 7: 135-140.
- Lotka, A. J. 1925 (reprinted in 1956). *Elements of Physical Biology*. Dover Publications, New York.
- Lou, Y. G., M. H. Du, T. C. J. Turling, J. A. Cheng, and W. F. Shan. 2005. Exogenous application of jasmonic acid induces volatile emissions in rice and enhances parasitism of *Nilaparvata lugens* eggs by the parasitoid *Anagrus nilaparvatae*. *Journal of Chemical Ecology* 31: 1985-2002.
- Louda, S. M. 1984. Herbivore effect on stature, fruiting, and leaf dynamics of a native crucifer. *Ecology* 65: 1379-1386.
- Louda, S. M. 1998. Population growth of *Rhinocyllus conicus* (Coleoptera: Curculionidae) on two species of native thistles in prairie. *Environmental Entomology* 27: 834-841.
- Louda, S. M. and M. A. Potvin. 1995. Effect of inflorescence-feeding insects on the demography and lifetime fitness of a native plant. *Ecology* 76: 229-245.
- Louda, S. M., D. Kendall, J. Connor, and D. Simberloff. 1997. Ecological effects of an insect introduced for the biological control of weeds. *Science* 277: 1088-1090.
- Louda, S. M., R. W. Pemberton, M. T. Johnson, and P. A. Follett. 2003a. Nontarget effects – the Achilles' heel of biological control? Retrospective analyses to reduce risk associated with biocontrol introductions. *Annual Review of Entomology* 48: 365-396.
- Louda, S. M., A. E. Arnett, T. A. Rand, and F. L. Russell. 2003b. Invasiveness of some biological control insects and adequacy of their ecological risk assessment and regulation. *Conservation Biology* 17: 73-82.
- Louda, S. M., T. A. Rand, A. E. Arnett, A. S. McClay, K. Shea, and A. K. McEachern. 2005. Evaluation of ecological risk to populations of a threatened plant from an invasive biocontrol agent. *Ecological Applications* 15: 234-249.
- Lovett, J. 1997. Birth control for feral pests. *Search* 28: 209-211.
- Lowery, D. T. and M. K. Sears. 1986. Stimulation of reproduction of the green peach aphid (Homoptera: Aphididae) by azinphosmethyl applied to potatoes. *Journal of Economic Entomology* 79: 1530-1533.
- Lozier, J. D., N. J. Mills, and G. K. Roderick. 2006. Di- and trinucleotide repeat microsatellites for the parasitoid wasp, *Aphidius transcaspicus*. *Molecular Ecology Notes* 6: 27-29.
- Lu, W. and M. E. Montgomery. 2001. Oviposition, development, and feeding of *Scymnus* (*Neopullus*) *sinuanodulus* (Coleoptera: Coccinellidae): a predator of *Adelges tsugae* (Homoptera: Adelgidae). *Annals of the Entomological Society of America* 94: 64-70.
- Lucas, É. and O. Alomar. 2002. Impact of *Macrolophus caliginosus* presence on damage production by *Dicyphus tamaninii* (Heteroptera: Miridae) on tomato fruits. *Journal of Economic Entomology* 95: 1123-1129.
- Luck, R. F. 1981. Parasitic insects introduced as biological control agents for arthropod pests, pp. 125-284. In: Pimentel, D. (ed.). *CRC Handbook of Pest Management in Agriculture*. CRC Press, Inc., Boca Raton, Florida, USA.

- Luck, R. F. and D. L. Dahlsten. 1975. Natural decline of a pine needle scale (*Chionaspis pinifoliae* [Fitch]), outbreak at South Lake Tahoe, California, following cessation of adult mosquito control with malathion. *Ecology* 56: 893-904.
- Luck, R. F. and N. Uygun. 1986. Host recognition and selection by *Aphytis* species: response to California red, oleander, and cactus scale cover extracts. *Entomologia Experimentalis et Applicata* 40: 129-136.
- Luck, R. F., B. M. Shepard, and P. E. Kenmore. 1988. Experimental methods for evaluating arthropod natural enemies. *Annual Review of Entomology* 33: 367-391.
- Luck, R. F., L. D. Forster, and J. G. Morse. 1996. An ecologically based IPM program for citrus in California's San Joaquin Valley using augmentative biological control. *Proceedings of the International Society of Citriculture* 1: 499-503.
- Luck, R. F., B. M. Shepard, and P. E. Kenmore. 1999. Evaluation of biological control with experimental methods, pp. 225-242. In: Bellows, T. S., Jr. and T. W. Fisher (eds.). *Handbook of Biological Control*. Academic Press, San Diego, California, USA.
- Lunau, S., S. Stoessel, A. J. Schmidt-Peisker, and R.-U. Ehlers. 1993. Establishment of monoxenic inocula for scaling up *in vitro* cultures of the entomopathogenic nematodes *Steinernema* spp. and *Heterorhabditis* spp. *Nematologica* 39: 385-399.
- Lundgren, J. G., A. A. Razzak, and R. N. Wiedenmann. 2004. Population responses and food consumption by predators *Coleomegilla maculata* and *Harmonia axyridis* (Coleoptera: Coccinellidae) during anthesis in an Illinois corn field. *Environmental Entomology* 33: 958-963.
- Lüthy, P. 1986. Insect pathogenic bacteria as pest control agents, pp. 201-216. In: Franz, J. M. (ed.). *Biological Plant and Health Protection: Biological Control of Plant Pests and of Vectors of Human and Animal Diseases*. International Symposium of the Akademie der Wissenschaften und der Literatur, Mainz, November 15-17th, 1984 at Mainz and Darmstadt. *Fortschritte der Zoologie* 32: 341 pp. Gustav Fischer Verlag, Stuttgart, Germany.
- Lynch, L. D., H. M. T. Hokkanen, D. Babendreier, F. Bigler, G. Burgio, Z.-H. Gao, S. Kuske, A. Loomans, I. Menzler-Hokkanen, M. B. Thomas, G. Tommasini, J. K. Waage, J. C. van Lenteren, and Q.-Q. Zeng. 2001. Insect biological control and non-target effects: a European perspective, pp. 99-125. In: Wajnberg, E., J. K. Scott, and P. C. Quimby (eds.). *Evaluating Indirect Ecological Effects of Biological Control*. CABI Publishing, Wallingford, United Kingdom.
- Lynch, L. D. and M. B. Thomas. 2000. Nontarget effects in the biocontrol of insects with insects, nematodes and microbial agents: the evidence. *Biocontrol News and Information* 21 (4): 117N-130N.
- Lynn, D. E., M. Shapiro, E. M. Dougherty, H. Rathburn, G. P. Godwin, K. M. Jeong, B. W. Belisle, and R. H. Chiarella. 1990. Gypsy moth nuclear polyhedrosis virus in cell culture: A likely commercial systems for viral pesticide production, p. 12. In: Pinnock, D. E. (ed.). *Vth International Colloquium on Invertebrate Pathology and Microbial Control*. Adelaide, Australia, 20-24, August, 1990, Department of Entomology, University of Adelaide; Glen Osmond, South Australia.
- MacArthur, R. H. and E. R. Pianka. 1966. On optimal use of a patchy environment. *American Naturalist* 100: 603-609.
- Mackauer, M. 1972. Genetic aspects of insect production. *Entomophaga* 17: 27-48.

- MacLeod, A., H. f. Evans, and R. H. A. Baker. 2002. An analysis of pest risk from an Asian long-horn beetle (*Anoplophora glabripennis*) to hardwood trees in the European community. *Crop Protection* 21: 635-645.
- MacLeod, A., S. D. Wratten, N. W. Sotherton, and M. B. Thomas. 2004. "Beetle banks" as refuges for beneficial arthropods in farmland: long-term changes in predator communities and habitat. *Agricultural and Forest Entomology* 6: 147-154.
- MacLeod, D. M. 1963. Entomophthorales infections, pp. 189-231. *In: Steinhaus, E. A. (ed.). Insect Pathology: An Advanced Treatise, Volume 2.* Academic Press, New York.
- Macom, T. E. and S. D. Porter. 1996. Comparison of polygyne and monogyne red imported fire ants (Hymenoptera: Formicidae) population densities. *Annals of the Entomological Society of America* 89: 535-543.
- Madden, J. L. 1968. Behavioural responses of parasites to the symbiotic fungus associated with *Sirex noctilio* F. *Nature* 218: 189-190.
- Maddox, D. M. 1982. Biological control of diffuse knapweed (*Centaurea diffusa*) and spotted knapweed (*C. maculosa*). *Weed Science* 30: 76-82.
- Madeira, P. T., R. E. Hale, T. D. Center, G. R. Buckingham, S. A. Wineriter, and M. Purcell. 2001. Whether to release *Oxyops vitiosa* from a second Australian site onto Florida's melaleuca? A molecular approach. *BioControl* 46: 511-528.
- Maeto, K. and S. Kudo. 1992. A new euphorine species of *Aridelus* (Hymenoptera: Braconidae) associated with a subsocial bug, *Elasmucha putoni* (Heteroptera, Aconthosomatidae). *Japanese Journal of Entomology* 6: 77-84.
- Magalhães, B. P., M. Lecoq, M. R. de Faria, F. G. V. Schmidt, and W. D. Guerra. 2000. Field trial with the entomopathogenic fungus *Metarhizium anisopliae* var. *acridum* against bands of the grasshopper *Rhammatocerus schistocercoides* in Brazil. *Biocontrol Science and Technology* 10: 427-441.
- Magiafoglou, A., M. Schiffer, A. A. Hoffmann, and W. McKechnie. 2003. Immunocontraception for population control: will resistance evolve? *Immunology and Cell Biology* 81: 152-159.
- Mahr, D. L. 2001. *Cactoblastis cactorum* (Lepidoptera: Pyralidae) in North America: a workshop of assessment and planning. *Florida Entomologist* 84: 465-473.
- Mahr, S. 2000. Mechanized delivery of beneficial insects. *IPM Practitioner* 22 (4): 1-5.
- Maier, C. T. 1994. Biology and impact of parasitoids of *Phyllorhycter blancardella* and *P. crataegella* (Lepidoptera: Gracillariidae) in northeastern North American apple orchards, pp. 6-24. *In: Maier, C. T. (ed.). Integrated Management of Tentiform Leafminers, Phyllorhycter spp. (Lepidoptera: Gracillariidae), in North American Apple Orchards.* Thomas Say Publications in Entomology, Entomological Society of America. Lanham, Maryland, USA.
- Malsam, O., M. Kilian, E-C. Oerke, and H-W. Dehne. 2002. Oils for increased efficacy of *Metarhizium anisopliae* to control whiteflies. *Biocontrol Science and Technology* 12: 337-348.
- Maltby, H. L., F. W. Stehr, R. C. Anderson, G. E. Moorehead, L. C. Barton, and J. D. Paschke. 1971. Establishment in the United States of *Anaphes flavipes*, an egg parasitoid of the cereal leaf beetle. *Journal of Economic Entomology* 64: 693-697.
- Manly, B. F. J. 1974. Estimation of stage-specific survival rates and other parameters for insect populations developing through several life stages. *Oecologia* 15: 277-285.

- Manly, B. F. J. 1976. Extensions to Kiritani and Nakasuji's method for analyzing insect stage-frequency data. *Researches on Population Ecology* 17: 191-199.
- Manly, B. F. J. 1977. The determination of key factors from life table data. *Oecologia* 31: 111-117.
- Manly, B. F. J. 1989. A review of methods for the analysis of stage-frequency data, pp. 3-69. In: McDonald, L. L., B. F. J. Manly, J. Lockwood, and J. Logan (eds.). *Estimation and Analysis of Insect Populations*. Springer-Verlag, New York.
- Mann, J. 1969. Cactus-feeding insects and mites. United States National Museum Bulletin 256, Smithsonian Institution Press, Washington, D.C.
- Mann, J. 1970. *Cacti Naturalized in Australia and Their Control*. Department of Lands, Queensland, Australia. 128 pp.
- Mann, J. 1970. Cacti naturalized in Australia and their control. Queensland Department of Lands, Brisbane, Australia.
- Manrique-Saide, P., S. Ibañez-Bernal, H. Defin-González, and V. P. Tabla. 1998. *Mesocyclops longisetus* effects on survivorship of *Aedes aegypti* immature stages in car tyers. *Medical and Veterinary Entomology* 12: 386-390.
- Mansour, E. S. 2004. Effectiveness of *Trichogramma evanescens* Westwood, bacterial insecticide and their combination on the cotton bollworms in comparison with chemical insecticides. *Egyptian Journal of Biological Pest Control*. 14: 339-343.
- Mansour, F., D. Rosen, A. Shulov, and H. N. Plaut. 1980. Evaluation of spiders as biological control agents of *Spodoptera littoralis* larvae on apple in Israel. *Oecologia Applicata* 1: 225-232.
- Manzari, S., A. Polaszek, R. Belshaw, and D. L. J. Quicke. 2002. Morphometric and molecular analysis of the *Encarsia inaron* species-group (Hymenoptera: Aphelinidae), parasitoids of whiteflies (Hemiptera: Aleyrodidae). *Bulletin of Entomological Research* 92: 165-175.
- Maramorosch, K. and K. E. Sherman (eds.). 1985. *Viral Insecticides for Biological Control*. Academic Press, New York.
- Marcovitch, S. 1935. Experimental evidence on the value of strip farming as a method for the natural control of injurious insects with special reference to plant lice. *Journal of Economic Entomology* 28: 62-70.
- Markin, G. P. 1970a. Foraging behavior of the Argentine ant in a California citrus grove. *Journal of Economic Entomology* 63: 740-744.
- Markin, G. P. 1970b. The seasonal life cycle of the Argentine ant, *Iridomyrmex humilis* (Hymenoptera: Formicidae), in southern California. *Annals of the Entomological Society of America* 63: 1238-1242.
- Markkula, M., K. Tiittanen, M. Hamalainen, and A. Forsberg. 1979. The aphid midge *Aphidoletes aphidimyza* (Diptera: Cecidomyiidae) and its use in biological control of aphids. *Annales Entomologici Fenniae* 45: 89-98.
- Maron, J. L. and M. Vilà. 2001. When do herbivores affect plant invasion? Evidence for the natural enemies and biotic resistance hypotheses. *Oikos* 95:361-373.
- Martel, A. L., D. A. Pathy, J. B. Madill, C. B. Renaud, S. L. Dean and S. J. Kerr. 2001. Decline and regional extirpation of freshwater mussels (Unionidae) in a small river system invaded

- ed by *Dreissena polymorpha*: the Rideau River, 1993-2000. *Canadian Journal of Zoology* 79: 2181-2191.
- Martignoni, M. E. 1999. History of TM BioControl-1: the first registered virus-based product for control of a forest insect. *American Entomologist* 45 (1): 30-37.
- Martin, F. N., and P. W. Tooley. 2003. Phylogenetic relationships of *Phytophthora ramorum*, *P. nemorosa*, and *P. pseudosyringae*, three species recovered from areas in California with sudden oak death. *Mycological Research*. 107(12): 1379-1391.
- Martin, W. R., Jr., D. A. Nordlund, and W. C. Nettles, Jr. 1990. Response of the parasitoid *Eucelatoria bryani* to selected plant material in an olfactometer. *Journal of Chemical Ecology* 16: 499-508.
- Mason, P. G. and J. T. Huber (eds.). 2001. *Biological Control Programmes in Canada, 1981-2000*. CABI Publishing, Wallingford, United Kingdom.
- Matadha, D., G. C. Hamilton, J. H. Lashomb, and J. Zhang. 2005. Ovipositional preferences and functional response of parasitoids of euonymus scale, *Unaspis euonymi* (Comstock) and San Jose scale, *Quadraspidiotus perniciosus* (Comstock) (Homoptera: Diaspididae). *Biological Control* 32: 337-347.
- Mathews, C. R., D. G. Bottrell, and M. W. Brown. 2004. Habitat manipulation of the apple orchard floor to increase ground-dwelling predators and predation of *Cydia pomonella* (L.) (Lepidoptera: Tortricidae). *Biological Control* 30: 265-273.
- Matthews, R. E. F. 1991. *Plant Virology, 3rd ed.* Academic Press, San Diego, California, USA.
- Mauchamp, A. 1997. Threats from alien plant species in the Galápagos Islands. *Conservation Biology* 11: 260-263.
- May, R. M. 1974. Biological populations with non-overlapping generations: stable points, stable cycles, and chaos. *Science* 186: 645-647.
- May, R. M. 1976. Simple mathematical models with very complicated dynamics. *Nature* 261: 459-467.
- May, R. M. 1977. Thresholds and breakpoints in ecosystems with a multiplicity of stable states. *Nature* 269: 471-477.
- May, R. M. 1978. Host-parasitoid systems in patchy environments: a phenomenological model. *Journal of Animal Ecology* 47: 833-43.
- May, R. M. 1980. Depression of host population abundance by direct life cycle macroparasites. *Journal of Theoretical Biology* 82: 283-311.
- May, R. M and R. M. Anderson. 1978. Regulation and stability of host-parasite population interactions. II. Destabilizing processes. *Journal of Animal Ecology* 47: 249-267.
- Mays, W. T. and L. T. Kok. 2003. Population dynamics and dispersal of two exotic biological control agents of spotted knapweed, *Urophora affinis* and *U. quadrifasciata* (Diptera: Tephritidae) in southwestern Virginia from 1986 to 2000. *Biological Control* 27: 43-52.
- McCabe, D. and R. S. Soper. 1985. Preparation of an entomopathogenic fungal insect control agent. U.S. Patent 4,530,834.
- McCaffrey, J. P. , C. L. Campbell, and L. A. Andres. 1995. St. Johnswort, pp. 281-285. In: Nechols, L. A., J. W. Beardsley, R. D. Goeden, and C. G. Jackson (eds.). *Biological Control*

- in the Western United States: Accomplishments and Benefits of Regional Research Project W-84, 1964-1989*. Publication 3361. University of California, Oakland, California, USA.
- McCall, P. J., T. C. J. Turlings, W. J. Lewis, and J. H. Tumlinson. 1993. Role of plant volatiles in host location by the specialist parasitoid *Microplitis croceipes* Cresson (Braconidae: Hymenoptera). *Journal of Insect Behavior* 6: 625-639.
- McCallum H. I. 1993. Evaluation of a nematode (*Capillaria hepatica* Bancroft, 1893) as a control agent for populations of house mice (*Mus musculus domesticus* Schwartz and Schwartz, 1943). *Revue Scientifique et Technique Office International des Epizooties* 12: 83-93.
- McCallum, H. 1994. Quantifying the impact of disease on threatened species. *Pacific Conservation Biology* 1: 107-117.
- McCallum, H. 1996. Immunocontraception for wildlife population control. *Trends in Ecology and Evolution* 11: 491-493.
- McCallum, H. and G. R. Singleton. 1989. Models to assess the potential of *Capillaria hepatica* to control population outbreaks of house mice. *Parasitology* 98: 425-437.
- McClay, A. S. 1995. Beyond "before-and-after": Experimental design and evaluation in classical weed biological control, p 203-209. *In: Delfosse, E. S. and R. R. Scott (eds.). Proceedings of the VIIIth International Symposium on Biological Control of Weeds, 2-7 February 1992, Lincoln University, Canterbury, New Zealand. DSIR/CSIRO, Melbourne, Australia.*
- McClay, A. S. and J. K. Balciunas. 2005. The role of pre-release efficacy assessment in selecting classical biological control agents for weeds--applying the Anna Karenina principle. *Biological Control* 35:197-207.
- McClay, A. S., M. D. Crisp, H. C. Evans, T. Heard, R. A. Hufbauer, T.-K. Qin, and R. Shaw. 2004. Centres of origin: do they exist, can we identify them, does it matter? pp. 619-620. *In: Cullen, J. M., D. T. Briese, D. J. Kriticos, W. M. Lonsdale, L. Morin, and J. K. Scott (eds.). Proceedings of the XI International Symposium on Biological Control of Weeds, 27 April-2 May 2003, Canberra, Australia. CSIRO, Canberra, ACT, Australia.*
- McClure, M. S. 1979. Self-regulation in populations of the elongate hemlock scale, *Fiorinia externa* (Homoptera: Diaspididae). *Oecologia* 39: 25-36.
- McClure, M. S. 1980. Competition between exotic species: scale insects on hemlock. *Ecology* 61: 1391-1401.
- McClure, M. S. 1987. Biology and control of hemlock woolly adelgid. *Connecticut Agriculture Experiment Station Bulletin* No. 851.
- McClure, M. S. 1991. Density-dependent feedback and population cycles in *Adelges tsugae* (Homoptera: Adelgidae) on *Tsuga canadensis*. *Environmental Entomology* 20: 258-264.
- McClure, M.S. 1995. Using natural enemies from Japan to control hemlock woolly adelgid. *Frontiers of Plant Science* 47: 5-7.
- McClure, M.S. 1996. Biology of *Adelges tsugae* and its potential spread in the northeastern United States, pp. 16-25. *In: Salom S. M., T. C. Tigner, and R. C. Reardon (eds.). The First Hemlock Woolly Adelgid Review*. FHTET 96-10. USDA Forest Service, Morgantown, West Virginia, USA.

- McColl, K. A., J. C. Merchant, J. Hardy, B. D. Cooke, A. Robinson, and H. A. Westbury, 2002. Evidence for insect transmission of rabbit haemorrhagic disease virus. *Epidemiology and Infection* 129: 655-663.
- McConnachie, A. J., M. P. de Wit, M. P. Hill, and M. J. Byrne. 2003. Economic evaluation of the successful biological control of *Azolla filiculoides* in South Africa. *Biological Control* 28: 25-32.
- McConnachie, A. J., M. P. Hill, and M. J. Byrne. 2004. Field assessment of a frond-feeding weevil, a successful biological control agent of red waterfern, *Azolla filiculoides*, in southern Africa. *Biological Control* 29: 326-331.
- McCoy, C. W. 1981. Pest control by the fungus *Hirsutella thompsonii*, pp. 499-512. Burges, H. D. (ed.). 1981. *Microbial Control of Pests and Plant Diseases*. Academic Press, New York.
- McCoy, C. W. and A. M. Heimpel, 1980. Safety of the potential mycoacaricide, *Hirsutella thompsonii*, to vertebrates. *Environmental Entomology* 9: 47-49.
- McCoy, C. W., A. J. Hill, and R. F. Kanavel. 1975. Large-scale production of the fungal pathogen *Hirsutella thompsonii* in submerged culture and its formulation for application in the field. *Entomophaga* 20: 229-240.
- McCoy, C. W., R. A. Samson, and D. G. Boucias. 1988. Entomogenous fungi, pp. 151-236. In: Ignoffo, C. M. (ed.). *CRC Handbook of Natural Pesticides. Microbial Insecticides, Part A. Entomogenous Protozoa and Fungi, Vol. 5*. CRC Press, Inc. Boca Raton, Florida, USA.
- McDermott, G. J. and M. A. Hoy. 1997. Persistence and containment of *Metaseiulus occidentalis* (Acari: Phytoseiidae) in Florida: risk assessment for possible releases of transgenic strains. *Florida Entomologist* 80: 42-53.
- McDonald, R. C. and L. T. Kok. 1992. Colonization and hyperparasitism of *Cotesia rubecula* (Hymen.: Braconidae), a newly introduced parasite of *Pieris rapae*, in Virginia. *Entomophaga* 37: 223-228.
- McEvoy, P. B. and C. Cox. 1991. Successful biological control of ragwort, *Senecio jacobaea*, by introduced insects in Oregon. *Ecological Applications* 1: 430-442.
- McEvoy, P. B. and N. T. Rudd. 1993. Effects of vegetation disturbances on insect biological control of tansy ragwort, *Senecio jacobaea*. *Ecological Applications* 3: 682-698.
- McEvoy, P. B., N. T. Rudd, C. S. Cox, and M. Huso. 1993. Disturbance, competition, and herbivory effects on ragwort *Senecio jacobaea* populations. *Ecological Monographs* 63: 55-75.
- McEwen, P., T. R. New, and A. E. Whittington (eds.). 2001. *Lacewings in the Crop Environment*. Cambridge University Press, Cambridge, United Kingdom.
- McFadyen, R. E. C. 1991. Climate modeling and the biological control of weeds: one view. *Plant Protection Quarterly* 6: 14-15.
- McFadyen, R. E. C. 1998. Biological control of weeds. *Annual Review of Entomology* 43: 369-393. (for data in Figure 11-1, see p. 379)
- McFadyen, R. E. C. 2000. Successes in biological control of weeds, pp. 3-14. In: Spencer, N. R. (ed.). *Proceedings of the Xth International Symposium on Biological Control of Weeds, 4-14 July 1999, Bozeman, Montana*. Montana State University, Bozeman, Montana, USA
- McGregor, R. C. 1973. The emigrant pests. A report to Dr. Francis Mulhern, Administration, Animal and Plant Health Inspection Service, Berkeley, California, Unpublished report on

- file at the Hawaii Department of Agriculture, Honolulu, Hawaii. www.hear.org/articles/mcgregor1973.pdf
- McGregor, R. R. and D. R. Gillespie. 2005. Intraguild predation by the generalist predator *Dicyphus hesperus* on the parasitoid *Encarsia formosa*. *Biocontrol Science and Technology* 15: 219-227.
- McGuire, M. R. and J. E. Henry. 1989. Production and partial characterization of monoclonal antibodies for detection of entomopoxvirus from *Melanoplus sanguinipes*. *Entomologia Experimentalis et Applicata* 51: 21-28.
- McKillup, S. C., P. G. Allen, and M. A. Skewes. 1988. The natural decline of an introduced species following its initial increase in abundance; an explanation for *Ommatoiuslus moreletii* in Australia. *Oecologia* 77: 339-342.
- McMurtry, J. A. 1992. The role of exotic natural enemies in the biological control of insect and mite pests of avocado in California, pp. 247-252. In: Anon. *Proceedings of the Second World Avocado Congress: The Shape of Things to Come*. April 21-26, 1991, Orange, California (USA). California Avocado Society, Riverside, California, USA.
- McMurtry, J. A. and B. A. Croft. 1997. Life styles of phytoseiid mites and their role as biological control agents. *Annual Review of Entomology* 42: 291-321.
- McMurtry, J. A. and G. T. Scriven. 1964. Studies on the feeding, reproduction, and development of *Amblyseius hibisci* (Acarina: Phytoseiidae) on various food substances. *Annals of the Entomological Society of America* 57: 649-655.
- McMurtry, J. A., E. R. Oatman, P. H. Phillips, and G. W. Wood. 1978. Establishment of *Phytoseiulus persimilis* (Acari: Phytoseiidae) in southern California. *Entomophaga* 23: 175-179.
- McNeill, M. R., S. L. Goldson, J. R. Proffitt, C. B. Phillips, and P. J. Addison. 2002. A description of the commercial rearing and distribution of *Microctonus hyperodae* (Hymenoptera: Braconidae) for biological control of *Listronotus bonariensis* (Kuschel) (Coleoptera: Curculionidae). *Biological Control* 24: 167-175.
- Meadow, R. H., W. C. Kelly, and A. M. Shelton. 1985. Evaluation of *Aphidoletes aphidimyza* (Dip.: Cecidomyiidae) for control of *Myzus persicae* (Hom.: Aphididae) in greenhouse and field experiments in the United States. *Entomophaga* 30: 385-392.
- Medal, J. C., M. D. Vitorino, D. H. Habeck, J. L. Gillmore, J. H. Pedrosa and L. P. De Sousa. 1999. Host specificity of *Heteroperreyia hubrichi* Malaise (Hymenoptera: Pergidae), a potential biological control agent of Brazilian peppertree (*Schinus terebinthifolius* Raddi). *Biological Control* 14: 60-65.
- Medal, J. C. 2001. Perspectivas y limitaciones para el control biológico de malezas en América Latina, pp. 62-66. *Memorias XV Congreso de la Asociación Latinoamericana de Malezas*. Maracaibo, Venezuela.
- Medal, J. C., J. P. Cuda, and D. Gandolfo. 2004. *Gratiana boliviana*, pp. 399-401. In: Coombs, E. M., J. K. Clark, G. L. Piper, and A. F. Cofrancesco. *Biological Control of Invasive Plants in the United States*. Oregon State University Press, Corvallis, Oregon, USA.
- Meinesz, A. 1999. *Killer Algae – the True Tale of Biological Invasion*. University of Chicago Press, Chicago, Illinois, USA (see pp. 209-218.)
- Meinesz, A. 2004. *Caulerpa taxifolia*: following its invasion. *Biofutur* 244: 41-46.

- Melching, J. S., K. R. Bromfield, and C. H. Kingsolver. 1983. The plant pathogen containment facility at Frederick, Maryland. *Plant Disease* 67: 717-722,
- Memmott, J., S. V. Fowler, and R. L. Hill. 1998. The effect of release size on the probability of establishment of biological control agents: gorse thrips (*Sericothrips staphylinus*) released against gorse (*Ulex europaeus*) in New Zealand. *Biocontrol Science and Technology* 8: 103-115.
- Memmott, J., P. G. Craze, H. M. Harman, P. Syrett, and S. V. Fowler. 2005. The effect of propagule size on the invasion of an alien insect. *Journal of Animal Ecology* 74: 50-62.
- Men, X. Y, Ge Feng, E. N. Yardim, and M. N. Parajulee. 2004. Evaluation of winter wheat as a potential relay crop for enhancing biological control of cotton aphids in seedling cotton. *BioControl* 49: 701-714.
- Mendel, Z., Y. Golan, and Z. Madar. 1984. Natural control of the eucalyptus borer, *Phoracantha semipunctata* (F.) (Coleoptera: Cerambycidae), by the Syrian woodpecker. *Bulletin of Entomological Research* 74: 121-127.
- Mensah, R. K. and J. J. Madden. 1994. Conservation of two predator species for biological control of *Chrysophtharta bimaculata* (Col.: Chrysomelidae) in Tasmanian forests. *Entomophaga* 39: 71-83.
- Merlin, M. D. and J. O. Juvik. 1992. Relationships among native and alien plants on Pacific islands with and without significant human disturbance and feral ungulates, pp. 597-624. *In: Stone, C. P., C. W. Smith, and J. T. Tunison. Alien Plant Invasions in Native Ecosystems of Hawaii: Management and Research.* University of Hawaii Cooperative National Park Resources Studies Unit, Honolulu, Hawaii, USA.
- Merritt, R. W., E. D. Walker, M. A. Wilzbach, K. W. Cummins, and W. T. Morgan. 1989. A broad evaluation of *B.t.i.* for black fly (Diptera: Simuliidae) control in a Michigan river: efficacy, carryover, and nontarget effects on invertebrates and fish. *Journal of the American Mosquito Control Association* 5: 397-415.
- Mesbah, A. H., M. A. Shoeb, and A. H. El-Heneidy. 2003. Preliminary approach towards the use of the egg parasitoid, *Trichogrammatoidea bactrae* Nagaraja against cotton bollworms in Egyptian cotton fields. *Egyptian Journal of Agricultural Research* 81: 981-995.
- Messenger, P. S. 1971. Climatic limitation to biological controls. *Proceedings of the Tall Timbers Conference on Ecological Animal Control by Habitat Management* 3: 97-114.
- Messenger, P. S., E. Biliotii, and R. van den Bosch. 1976. The importance of natural enemies in integrated control, pp. 543-563. *In: Huffaker, C. B. and P. S. Messenger (eds.). Theory and Practice of Biological Control.* Academic Press, New York.
- Messina, F. J. and J. B. Hanks. 1998. Host plant alters the shape of the functional response of an aphid predator (Coleoptera: Coccinellidae). *Environmental Entomology* 27: 1196-1202.
- Messing, R. H. and M. G. Wright. 2006. Biological control of invasive species: solution or pollution? *Frontiers in Ecology and the Environment* 4: 132-140.
- Messing, R., B. Roitberg, and J. Brodeur. 2006. Measuring and predicting indirect impacts of biological control: competition, displacement and secondary interactions, pp. 64-77. *In: Bigler, F., D. Babendreir and U. Kuhlmann (eds.). 2006. Environmental Impact of Invertebrates for Biological Control of Arthropods.* Cabi Publishing, Wallingford, United Kingdom.

- Metcalf, R. L. 1980. Changing role of insecticides in crop protection. *Annual Review of Entomology* 25: 219-256.
- Meusnier, I., M. Valero, C. Destombe, C. Godé, E. Desmarais, F. Bonhomme, W. T. Stam, and J. L. Olsen. 2002. Polymerase chain reaction-single strand conformation polymorphism analysis of nuclear and chloroplast DNA provide evidence for recombination, multiple introductions and nascent speciation in the *Caulerpa taxifolia* complex. *Molecular Ecology* 11: 2317-2325.
- Meyer, J. R. and C. A. Nalepa. 1991. Effect of dormant oil treatments on white peach scale (Homoptera: Diaspididae) and its overwintering parasite complex. *Journal of Entomological Science* 26: 27-32.
- Meyer, N. F. 1941. *Trichogramma*. Selhozhiuz. Leningrad, USSR.
- Meyhöfer, R. and D. Hindayana. 2000. Effects of intraguild predation on aphid parasitoid survival. *Entomologia Experimentalis et Applicata* 97: 115-122.
- Michaud, J. P. 1999. Sources of mortality in colonies of the brown citrus aphid, *Toxoptera citricida* (Kirdaldy). *Biological Control* 44: 347-367.
- Michaud, J. P. 2001. Evaluation of green lacewings, *Chrysoperla plorabunda* (Fitch) (Neurop., Chrysopidae), for augmentative release against *Toxoptera citricida* (Hom., Aphididae) in citrus. *Journal of Applied Entomology* 125: 383-388.
- Michaud, J. P. 2002a. Classical biological control: a critical review of recent programs against citrus pests in Florida. *Annals of the Entomological Society of America* 94: 531-540.
- Michaud, J. P. 2002b. Invasion of the Florida citrus ecosystem by *Harmonia axyridis* (Coleoptera: Coccinellidae) and asymmetric competition with a native species, *Cycloneda sanguinea*. *Environmental Entomology* 31: 827-835.
- Michaud, J. P. 2003. Three targets of classical biological control in the Caribbean: success, contribution, and failure, pp. 335-342. In: Van Driesche, R. G. (ed.). *Proceedings of the 1st International Symposium on Biological Control of Arthropods*, January 14-18, Honolulu, Hawaii, USA. USDA Forest Service, Morgantown, West Virginia, USA.
- Michaud, J. P. 2004. Natural mortality of Asian citrus psyllid (Homoptera: Psyllidae) in central Florida. *Biological Control* 29: 260-269.
- Michaud, J. P. and H. W. Browning. 1999. Seasonal abundance of the brown citrus aphid, *Toxoptera citricida* (Homoptera: Aphididae) and its natural enemies in Puerto Rico. *Florida Entomologist* 82: 424-447.
- Michelson, E. H. 1957. Studies on the biological control of schistosome-bearing snails. Predators and parasites of freshwater mollusks: a review of the literature. *Parasitology* 47: 413-426.
- Milberg, P. and B. B. Lamont. 1995. Fire enhances weed invasion of roadside vegetation in southwestern Australia. *Biological Conservation* 73: 45-49.
- Milbrath, L. R. and C. J. DeLoach. 2006. Host specificity of different populations of the leaf beetle *Diorhabda elongata* (Coleoptera: Chrysomelidae), a biological control agent of saltcedar (*Tamarix* spp.). *Biological Control* 36: 32-48.
- Millar, S. E., S. M. Chamow, A. W. Baur, C. Oliver, F. Robey, and J. Dean. 1989. Vaccination with a synthetic zona pellucida peptide produces long-term contraception in female mice. *Science* 246: 935-938.

- Miller, I. L., and W. M. Lonsdale. 1987. Early records of *Mimosa pigra* in the Northern Territory. *Plant Protection Quarterly* 2: 140-142.
- Miller, J. C. 1990. Effects of a microbial insecticide, *Bacillus thuringiensis kurstaki*, on nontarget lepidoptera in a spruce budworm-infested forest. *Journal of Research on Lepidoptera* 29: 267-276.
- Miller, L. A. and R. A. Bedding. 1982. Field testing of the insect parasitic nematode, *Neoaplectana bibionis* (Nematoda: Steinernematidae) against current borer moth, *Synanthedon tipuliformis* (Lep.: Sessiidae) in blackcurrants. *Entomophaga* 27: 109-114.
- Miller, L. K., A. J. Lingg, and L. A. Bulla, Jr. 1983. Bacterial, viral and fungal insecticides. *Science* 219: 715-721.
- Miller, M. and G. Aplet. 1993. Biological control: A little knowledge is a dangerous thing. *Rutgers Law Review* 45(2): 285-334.
- Miller, M. L., and G. H Aplet. 2005. Applying legal sunshine to the hidden regulation of biological control. *Biological Control* 35: 358-365.
- Mills, N. J. 1983. Possibilities for the biological control of *Choristoneura fumiferana* (Clemens) using natural enemies from Europe. *Biocontrol News and Information*, 4 (2): 103-125.
- Mills, N. J. 1993. Observations on the parasitoid complexes of budmoths (Lepidoptera: Tortricodea) on larch in Europe. *Bulletin of Entomological Research* 83: 103-112.
- Mills, N. 1998. *Trichogramma*: the field efficacy of inundative biological control of the codling moth in Californian orchards, pp. 66-73. In: Hoddle, M.S. (ed.). California Conference on Biological Control, June 10-11, 1998, Department of Entomology, University of California, Riverside, California, USA.
- Mills, N. 2005. Selecting effective parasitoids for biological control introductions: codling moth as a case history. *Biological Control* 34: 274-282.
- Mills, N. J. and P. Fischer. 1986. The entomophage complex of *Pissodes* weevils, with emphasis on the value of *P. validirostris* as a source of parasitoids for use in biological control, pp. 297-307. In: Roques, A. (ed.). *Proceedings of the 2nd Conference of the Cone and Seed Insects Working Party*. Briancon, France, September 3-5, 1986, Station de Zoologie Forestiere, Olivet, France.
- Mills, N. J. and J. Schlup. 1989. The natural enemies of *Ips typographus* in central Europe: Impact and potential use in biological control, pp. 131-146. In: Kulhavy, D. L. and M. C. Miller (eds.). *Potential for Biological Control of Dendroctonus and Ips Bark Beetles*. Center for Applied Studies, School of Forestry, Stephen F. Austin State University, Nacogdoches, Texas, USA.
- Mills, N., C. Pickel, S. Mansfield, S. McDougall, R. Buchner, J. Caprile, J. Edstrom, R. Elkins, J. Hasey, K. Kelley, B. Krueger, B. Olson, and R. Stocker. 2000. Mass releases of *Trichogramma* wasps can reduce damage from codling moth. *California Agriculture* 54 (6): 22-25.
- Milne, W. M. and A. L. Bishop. 1987. The role of predators and parasites in the natural regulation of lucerne aphids in eastern Australia. *Journal of Applied Ecology* 24: 893-905.
- Milner, R. J., R. S. Soper, and G. G. Lutton. 1982. Field release of an Israeli strain of the fungus *Zoophthora radicans* (Brefeld) Batko for biological control of *Therioaphis trifolii* (Monnell) f. *maculata*. *Journal of the Australian Entomological Society* 21: 113-118.

- Minchin, D and S. Gollasch. 2003. Fouling and ships' hulls: how changing circumstances and spawning events may result in the spread of exotic diseases. *Biofouling* 19: 111-122.
- Mineau, P. 1991. *Cholinesterase-Inhibiting Insecticides. Their Impact on Wildlife and the Environment*. Book in Series, Chemicals in Agriculture. Elsevier Science Publishers, Amsterdam, The Netherlands.
- Minkenberg, O. P. J. M., and J. C. van Lenteren. 1986. The leaf miners *Liriomyza trifolii* and *L. bryoniae* (Diptera: Agromyzidae), their parasites and host plants: a review. Agricultural University Wageningen Press, Wageningen, The Netherlands.
- Minkenberg, O. P. J. M., M. Tatar, and J. A. Rosenheim. 1992. Egg load as a major source of variability in insect foraging and oviposition behavior. *Oikos* 65: 134-142.
- Miura, T., R. M. Takahashi, and W. H. Wilder. 1984. Impact of the mosquitofish (*Gambusia affinis*) on a rice field ecosystem when used as a mosquito control agent. *Mosquito News* 44 (4): 510-517.
- Mkoji, G. M., B. V. Hofkin, A. M. Kuris, A. Stewart-Oaten, B. N. Mungai, J. M. Kihara, F. Mungai, J. Yundu, J. Mbui, J. R. Rashid, C. H. Kariuki, J. H. Ouma, D. K. Koech, and E. S. Loker. 1999. Impact of the crayfish *Procambarus clarkii* on *Schistosoma haematobium* transmission in Kenya. *American Journal of Tropical Medicine and Hygiene* 61: 751-759.
- Mo, J., M. Trevino, and W. A. Palmer. 2000. Establishment and distribution of the rubber vine moth, *Euclasta whalleyi* Popescu-Gorj and Constantinescu (Lepidoptera: Pyralidae), following its release in Australia. *Australian Journal of Entomology* 39: 344-350.
- Moar, W. J., M. Eubanks, B. Freeman, S. Turnipseed, J. Ruberson, and G. Head. 2003. Effects of Bt cotton on biological control agents in the southeastern United States, pp. 275-277. In: Van Driesche, R. G. (ed.). *Proceedings of the 1st International Symposium on Biological Control of Arthropods*, January 14-18, Honolulu, Hawaii, USA. USDA Forest Service, Morgantown, West Virginia, USA.
- Mochiah, M. B., A. J. Ngi-Song, W. A. Overholt, and R. Stouthamer. 2002. *Wolbachia* infection in *Cotesia sesamiae* (Hymenoptera : Braconidae) causes cytoplasmic incompatibility: implications for biological control. *Biological Control* 25: 74-80.
- Mochizuki, M. 2002. Control of kanzawa spider mite, *Tetranychus kanzawai* Kishida (Acari: Tetranychidae) on tea by a synthetic pyrethroid resistant predatory mite, *Amblyseius womersleyi* Schicha (Acari: Phytoseiidae). *Japanese Journal of Applied Entomology and Zoology* 46: 243-251.
- Mogi, M. and I. Miyagi. 1990. Colonization of rice fields by mosquitoes (Diptera: Culicidae) and larvivorous predators in asynchronous rice cultivation in the Philippines. *Journal of Medical Entomology* 27: 530-536.
- Mohan, K. S. and C. B. Pillai. 1993. Biological control of *Oryctes rhinoceros* (L.) using an Indian isolate of *Oryctes baculovirus*. *Insect Science and its Application* 14: 551-558.
- Mohd, S. 1990. Barn owls (*Tyto alba*) for controlling rice field rats. *MAPPS Newsletter* 14 (4): 51.
- Mohyuddin, A. I. 1991. Utilization of natural enemies for the control of insect pests of sugarcane. *Insect Science and Its Application* 12: 19-26.

- Mohyuddin, A. I., C. Inayatullah, and E. G. King. 1981. Host selection and strain occurrence in *Apanteles flavipes* (Cameron) (Hymenoptera: Braconidae) and its bearing on biological control of graminaceous stem-borers (Lepidoptera: Pyralidae). *Bulletin of Entomological Research* 71: 575-581.
- Monge, J. P. and A. M. Cortesoro. 1996. Tritrophic interactions among larval parasitoids, bruchids and Leguminosae seeds: influence of pre- and post-emergence learning on parasitoids' response to host and host-plant cues. *Entomologia Experimentalis et Applicata* 80: 293-296.
- Montgomery, B. R. and G. S. Wheeler. 2000. Antipredatory activity of the weevil *Oxyops vitiosa*: A biological control agent of *Melaleuca quinquenervia*. *Journal of Insect Behavior* 13: 915-926.
- Montgomery, M. E. and S. M. Lyon. 1996. Natural enemies of adelgids in North America: their prospect for biological control of *Adelges tsugae* (Homoptera: Adelgidae), pp. 89-102. In: S. M. Salom, T. C. Tigner, and R. C. Reardon (eds.). *Proceedings, First Hemlock Woolly Adelgid Review*, 12 October 1995, Charlottesville, VA. FHTET-96-10. USDA Forest Service, Morgantown West Virginia, USA.
- Montgomery, M. E., D. Yao, and H. Wang. 2000. Chinese Coccinellidae for biological control of the hemlock woolly adelgid: description of native habitat, pp. 97-102. In: K. A. McManus, K. S. Shields, and D. R. Souto (eds.). *Proceedings, Symposium on Sustainable Management of Hemlock Ecosystems in Eastern North America*, 22-24 June 1999, Durham, New Hampshire. USDA Forest Service General Technical Report NE-267.
- Mook, L. J. 1963. Birds and the spruce budworm, pp. 268-291. In: Morris, R. F. (ed.). *The Dynamics of Epidemic Spruce Budworm Populations*. Memoires of the Entomological Society of Canada.
- Moore, D. and C. Prior. 1993. The potential of mycoinsecticides. *Biocontrol News and Information* 14 (2): 33N-40N.
- Moore, D., P. D. Bridge, P. M. Higgins, R. P. Bateman, and C. Prior. 1993. Ultra-violet radiation damage to *Metarhizium flavoviride* conidia and the protection given by vegetable and mineral oils and chemical sunscreens. *Annals of Applied Biology* 122: 605-616.
- Moore, N. F., L. A. King, and R. D. Possee. 1987. Mini review: viruses of insects. *Insect Science and its Application* 8: 275-289.
- Moore, S. D. 1989. Regulation of host diapause by an insect parasitoid. *Ecological Entomology* 14: 93-98.
- Moorehead, G. E. and H. L. Maltby. 1970. A container for releasing *Anaphes flavipes* from parasitized eggs of *Oulema melanopus*. *Journal of Economic Entomology* 63: 675-676.
- Moraes, M. C. B., R. Laumann, E. R. Sujii, C. Pires, and M. Borges. 2005. Induced volatiles in soybean and pigeon pea plants artificially infested with the neotropical brown stink bug, *Euschistus heros*, and their effect on the egg parasitoid, *Telenomus podisi*. *Entomologia Experimentalis et Applicata* 115: 227-237.
- Morales-Ramos, J. A., M. g. Rojas, R. J. Coleman, and E. G. King. 1998. Potential use of *in vitro*-reared *Catolaccus grandis* (Hymenoptera: Pteromalidae) for biological control of the boll weevil (Coleoptera: Curculionidae). *Journal of Economic Entomology* 91: 101-109.
- Moran, R. C. 1992. The story of the molesting salvinia. *Fiddlehead Forum* 19: 26-28.

- Moran, V. C., B. H. Gunn, and G. H. Walter. 1982. Wind dispersal and settling of first-instar crawlers of the cochineal insect *Dactylopius austrinus* (Homoptera: Coccoidea: Dactylopiidae). *Ecological Entomology* 7: 409-419.
- Morath, S. U., P. D. Pratt, C. S. Silvers, and T. D. Center. 2006. Herbivory by *Boreioglycaspis melaleuca* (Hemiptera: Psyllidae) accelerated foliar senescence and abscission in the invasive tree *Melaleuca quinquenervia*. *Environmental Entomology* 35: 1372-1378.
- Moreau, S. J. M. and S. Guillot. 2005. Advances and prospects on biosynthesis, structures, and functions of venom proteins from parasitic wasps. *Insect Biochemistry and Molecular Biology* 35: 1209-1223.
- Moreno, D. S. and R. F. Luck. 1992. Augmentative releases of *Aphytis melinus* (Hymenoptera: Aphelinidae) to suppress California red scale (Homoptera: Diaspididae) in southern California lemon orchards. *Journal of Economic Entomology* 85: 1112-1119.
- Morewood, W. D. 1992. Cold storage of *Phytoseiulus persimilis* (Phytoseiidae). *Experimental and Applied Acarology* 13: 231-236.
- Moritz, C. and C. Cicero. 2004. DNA Barcoding: promise and pitfalls. *PLoS Biology* 2: e354.
- Morin, L., A. J. Willis, J. Armstrong, and D. Kriticos. 2002. Spread, epidemic development and impact of the bridal creeper rust in Australia: summary of results, pp. 385-388. In Spafford Jacob, H., J. Dodd, and J. H. Moore (eds.). *Thirteenth Australian Weeds Conference Papers and Proceedings*. Plant Protection Society of Western Australia, Inc. Perth, Australia.
- Moriya, S., K. Inoue, and M. Mabuchi. 1989. The use of *Torymus sinensis* to control chestnut gall wasp, *Dryocosmus kuriphilus*, in Japan. *Food and Fertilizer Technology Center (FFTC) Technical Bulletin* 118: 1-12. Taipei, Taiwan.
- Moriya, S., M. Shiga, and I. Adachi. 2003. Classical biological control of the chestnut gall wasp in Japan, pp. 25-33. In: Van Driesche (ed.). *1st International Symposium on Biological Control of Arthropods*, January 14-18, 2002. Honolulu, Hawaii, USA. FHTET-03-05. USDA Forest Service, Morgantown, West Virginia, USA.
- Morris, M. J. 1987. Biology of the *Acacia* gall rust, *Uromycladium tepperianum*. *Plant Pathology* 36: 100-106.
- Morris, M. J. 1991. The use of plant pathogens for biological weed control in South Africa. *Agriculture, Ecosystems and Environment* 37: 239-255.
- Morris, M. J. 1999. The contribution of the gall-forming rust fungus *Uromycladium tepperianum* (Sacc.) AcAlp. to the biological control of *Acacia saligna* (Labill.) Wendl. (Fabaceae) in South Africa. *Africa Entomology Memoir* 1: 125-128.
- Morris, O. N. 1980. Entomopathogenic viruses: strategies for use in forest insect pest management. *The Canadian Entomologist* 112: 573-584.
- Morris, R. F. 1959. Single-factor analysis in population dynamics. *Ecology* 40:580-588.
- Morris, R. F. 1963. The dynamics of epidemic spruce budworm populations. *Memoirs of the Entomological Society of Canada* 31: 1-332.
- Morrison, L. W. and S. D. Porter. 2005. Testing for population-level impacts of introduced *Pseudacteon tricuspis* flies, phorid parasitoids of *Solenopsis invicta* fire ants. *Biological Control* 33: 9-19.

- Morrow, B. J., D. G. Boucias, and M. A. Heath. 1989. Loss of virulence in an isolate of an entomopathogenic fungus, *Nomeraca rileyi*, after serial *in vitro* passage. *Journal of Economic Entomology* 82: 404-407
- Morse, J. G. and T. S. Bellows, Jr. 1986. Toxicity of major citrus pesticides to *Aphytis melinus* (Hymenoptera: Aphelinidae) and *Cryptolaemus montrouzieri* (Coleoptera: Coccinellidae). *Journal of Economic Entomology* 79: 311-314.
- Morse, J. G. and M. S. Hoddle. 2006. Invasion biology of thrips. *Annual Review of Entomology* 51: 67-89.
- Morse, J. G. and N. Zareh. 1991. Pesticide-induced hormoligosis of citrus thrips (Thysanoptera: Thripidae) fecundity. *Journal of Economic Entomology* 84: 1169-1174.
- Morse, J. g., T. S. Bellows, Jr., L. K. Gaston, and Y. Iwata. 1987. Residual toxicity of acaricides to three beneficial species on California citrus. *Journal of Economic Entomology* 80: 953-960.
- Moscardi, F. 1983. Utilização de *Baculovirus anticarsia* para o controle da lagarta da soya, *Anticarsia gemmatalis*. Empresa Brasileira de Pesquisa Agropecuaria, Comunicado Técnico No. 23 (in Portuguese)
- Moscardi, F. 1990. Development and use of soybean caterpillar baculovirus in Brazil, pp. 184-187. In: Pinnock, D. E. (ed.). Vth *International Colloquium on Invertebrate Pathology and Microbial Control*. Adelaide, Australia, 20-24, August, 1990, Department of Entomology, University of Adelaide; Glen Osmond, South Australia.
- Moscardi, F. 1999. Assessment of the application of baculoviruses for control of Lepidoptera. *Annual Review of Entomology* 44: 257-289.
- Moss, S. R., S. L. Turner, R. C. Trout, P. J. White, P. J. Hudson, A. Desai, M. Armesto, N. L. Forrester, and E. A. Gould. 2002. Molecular epidemiology of rabbit haemorrhagic disease virus. *Journal of General Virology* 83: 2461-2467.
- Mulatu, B., S. W. Applebaum, and M. Coll. 2004. A recently acquired host plant provides an oligophagous insect herbivore with enemy-free space. *Oikos* 107: 231-238.
- Mulla, M. S., B. A. Federici, and H. A. Darwazeh. 1982. Larvicidal efficacy of *Bacillus thuringiensis* serotype H-14 against stagnant-water mosquitoes and its effect on nontarget organisms. *Environmental Entomology* 11: 788-795.
- Mulla, M. S., J. D. Chaney, and J. Rodcharoen. 1990. Control of nuisance aquatic midges (Diptera: Chironomidae) with the microbial larvicide *Bacillus thuringiensis* var. *israelensis* in a man-made lake in southern California. *Bulletin of the Society for Vector Control* 15 (2): 176-184.
- Müller-Kögler, E. 1965. *Pilzkrankheiten bei Insekten*. Paul Parey, Berlin and Hamburg, Germany
- Müller-Shärer, H. and D. Schroeder. 1993. The biological control of *Centaurea* spp. in North America: do insects solve the problem? *Pesticide Science* 37: 343-353.
- Müller-Schärer, H., T. M. Lewinsohn, and J. H. Lawton. 1991. Search for weed biocontrol agents – when to move on? *Biocontrol Science and Technology* 1: 271-280.
- Mun, J., A. J. Bohonak, and G. K. Roderick. 2003. Population structure of the pumpkin fruit fly *Bactrocera depressa* (Tephritidae) in Korea and Japan: Pliocene allopatry or recent invasion? *Molecular Ecology* 12: 2941-2951.

- Muñoz, A. and R. Murúa. 1990. Control of small mammals in a pine plantation (Central Chile) by modification of the habitat of predators (*Tyto alba*, Stringiforme and *Pseudalopex* sp. Canidae). *Acta Oecologia* 11: 251-261.
- Munro, V. M. W. and I. M. Henderson. 2002. Nontarget effect of entomophagous biocontrol: shared parasitism between native lepidopteran parasitoids and the biocontrol agent *Trigonospila brevifacies* (Diptera: Tachinidae) in forest habitats. *Environmental Entomology* 31: 388-396.
- Munroe, E. 1972. *The Moths of America North of Mexico. Fasc. 13.1A. Pyraloidea. Pyralidae (Part)*. E. W. Classey, Ltd. and R.B.D. Publications, Inc. London.
- Murdoch, W. W. and A. Oaten. 1975. Predation and population stability. *Advances in Ecological Research* 9: 1-131.
- Murdoch, W. W., R. M. Nisbet, W. S. C. Gurney and J. D. Reeve. 1987. An invulnerable age class and stability in delay-differential parasitoid-host models. *American Naturalist* 129: 263-282.
- Murdoch, W. W. and A. Stewart-Oaten. 1989. Aggregation by parasitoids and predators: effects on equilibrium and stability. *American Naturalist* 134: 288-310.
- Murdoch, W. W., J. Chesson, and P. L. Chesson. 1985. Biological control in theory and practice. *American Naturalist* 125: 344-366.
- Murdoch, W. W., R. F. Luck, S. L. Swarbrick, S. Walde, D. S. Yu, and J. D. Reeve. 1995. Regulation of an insect population under biological control. *Ecology* 76: 206-217.
- Murdoch, W. W., C. J. Briggs, and R. M. Nisbet. 1996. Competitive displacement and biological control in parasitoids: a model. *American Naturalist* 148: 807-826.
- Murdoch, W. W., C. J. Briggs, and R. M. Nisbet. 2003. Consumer-resource dynamics. In: Levin, S. (ed.). *Monographs in Population Biology*. Princeton University Press, Princeton, New Jersey, USA.
- Murdoch, W. W., C. J. Briggs, and S. Swarbrick. 2005. Host suppression and stability in a parasitoid-host system: Experimental demonstration. *Science* 309: 610-613.
- Murphy, N. E. and B. Schaffelke. 2003. Use of amplified fragment length polymorphism (AFLP) as a new tool to explore the invasive green alga *Caulerpa taxifolia* in Australia. *Marine Ecology, Progress Series* 246: 307-310.
- Murray, J., E. Murray, M. S. Johnson, and B. Clarke. 1988. The extinction of *Partula* on Moorea. *Pacific Science* 42: 150-153.
- Musgrove, C. H. and G. E. Carman. 1965. Argentine ant control in citrus in southern California with granular formulations of certain chlorinated hydrocarbons. *Journal of Economic Entomology* 58: 428-434.
- Musser, F. R. and A. M. Shelton. 2003. Predation of *Ostrinia nubilias* (Lepidoptera: Crambidae) eggs in sweet corn by generalist predators and the impact of alternative foods. *Environmental Entomology* 32: 1131-1138.
- Myartseva, S. N. 2006. *Siphoninus phillyreae* (Haliday) (Hemiptera: Sternorrhyncha: Aleyrodidae) and its parasitoid, *Encarsia inaron* (Walker) (Hymenoptera: Aphelinidae): two new records of insects for Mexico. *Entomological News* 117: 451-454.

- Myers, J. H. 1985. How many insect species are necessary for successful biocontrol of weeds? pp. 77-82. *In*: Delfosse, E. S. (ed.). *Proceedings of the VIth International Symposium on Biological Control of Weeds*, 19-25 August 1984, University of British Columbia, Vancouver, Canada. Agriculture Canada, Ottawa, Ontario, Canada
- Myers, J. H. and D. R. Bazely. 2003. *Ecology and Control of Introduced Plants*. Cambridge University Press, Cambridge, UK.
- Myers, K., I. Parer, D. Wood, and B. D. Cooke. 1994. The rabbit in Australia, pp. 108-157. *In*: Thompson, H. V. and C. M. King (eds.). *The European Rabbit, the History and Biology of a Successful Colonizer*. Oxford University Press, Oxford, United Kingdom. 245 pp.
- Nadel, H. and J. J. M. van Alphen. 1987. The role of host- and host-plant odours in the attraction of a parasitoid, *Epidinocarsis lopezi*, to the habitat of its host, the cassava mealybug, *Phe-nacoccus manihoti*. *Entomologia Experimentalis et Applicata* 45: 181-186.
- Nafus, D. M. 1993. Movement of introduced biological control agents onto nontarget butterflies, *Hypolimnys* spp. (Lepidoptera: Nymphalidae). *Environmental Entomology* 22: 265-272.
- Nagesha, H. S., L. F. Wang, A. D. Hyatt, C. J. Morrissy, C. Lenghaus, and H. A. Westbury. 1995. Self assembly, antigenicity, and immunogenicity of the rabbit haemorrhagic disease virus (Czechoslovakia strain V-351) capsid protein expressed in baculovirus. *Archives of Virology* 140: 1095-1108.
- Nappi, A. J. 1973. Parasitic encapsulation in insects, pp. 293-326. *In*: Maramorosch, K. and R. E. Shope (eds.). *Invertebrate Immunity*. Academic Press. New York.
- Nappi, A. J. and E. Vass. 1998. Hydrogen peroxide production in immune-reactive *Drosophila melanogaster*. *Journal of Parasitology* 84: 1150-1157.
- Nappi, A. J., F. Frey, and Y. Carton. 2005. *Drosophila* serpin 27A is a likely target for immune suppression of the blood cell-mediated melanotic encapsulation response. *Journal of Insect Physiology* 51: 197-205.
- Naranjo, S. E. 2005. Long-term assessment of the effects of transgenic Bt cotton on the abundance of nontarget arthropod natural enemies. *Environmental Entomology* 34: 1193-1210.
- Naranjo, S. E. and P. C. Ellsworth. 2003. Arthropod communities and transgenic cotton in the western United States: implications for biological control, pp. 284-291. *In*: Van Driesche, R. G. (ed.). *Proceedings of the 1st International Symposium on Biological Control of Arthropods*, January 14-18, Honolulu, Hawaii, USA. USDA Forest Service, Morgantown, West Virginia, USA.
- Naranjo, S. E., G. Head, and G. P. Dively. 2005. Field studies assessing arthropod nontarget effects in Bt transgenic crops: introduction. *Environmental Entomology* 34: 1178-1180.
- Nealis, V. 1985. Diapause and the seasonal ecology of the introduced parasite, *Cotesia (Apanteles) rubecula* (Hymenoptera: Braconidae). *The Canadian Entomologist* 117: 333-342.
- Nealis, V. G. 1986. Responses to host kairomones and foraging behavior of the insect parasite *Cotesia rubecula* (Hymenoptera: Braconidae). *Canadian Journal of Zoology* 64: 2393-2398.
- Nechols, J. R. and R. S. Kikuchi. 1985. Host selection of the spherical mealybug (Homoptera: Pseudococcidae) by *Anagyrus indicus* (Hymenoptera: Encyrtidae): influence of host stage on parasitoid oviposition, development, sex ratio, and survival. *Environmental Entomology* 14: 32-37.

- Nechols, J. R., L. A. Andres, J. W. Beardsley, R. D. Goeden, and C. G. Jackson (eds.). 1995. *Biological Control in the Western United States: Accomplishments and Benefits of a Regional Project W-84, 1964-1989*. DANR Publications, University of California, Oakland, California, USA.
- Nedstam, B. and M. Burman. 1990. The use of nematodes against sciarids in Swedish greenhouses. *IOBC/WPRS Bulletin* 8 (5):147-148.
- Neill, W. M. 1983. The tamarisk invasion of desert riparian areas. *Education Bulletin* 83-4. Desert Protective Council, Spring Valley, California, USA
- Nentwig, W. 1988. Augmentation of beneficial arthropods by strip-management. I. Succession of predaceous arthropods and long-term change in the ratio of phytophagous and predaceous arthropods in a meadow. *Oecologia* 76: 597-606.
- Neser, S. 1985. A most promising bud-galling wasp, *Trichilogaster acaciaelongifoliae* (Pteromalidae), established against *Acacia longifolia* in South Africa, pp. 797-803. In: E.S. Delfosse (ed.). *Proceedings of the VIth International Symposium on Biological Control of Weeds*, 19-25 Aug. 1984, Vancouver, Canada. Agriculture Canada, Ottawa, Ontario, Canada
- Nettles, W. C., Jr., C. M. Wilson, and S. W. Ziser. 1980. A diet and methods for the *in vitro* rearing of the tachinid *Eucelatoria* sp. *Annals of the Entomological Society of America* 73: 180-184.
- Neuenschwander, P. 2003. Biological control of cassava and mango mealybugs in Africa, pp. 45-59. In: Neuenschwander, P., C. Borgemeister, and J. Langewald (eds.). *Biological Control Systems in Africa*. CABI Publishing, Wallingford, United Kingdom.
- Neuenschwander, P., and O. Ajuonu. 1995. Measuring host finding capacity and arrestment of natural enemies of the cassava mealybug, *Phenacoccus manihoti*, in the field. *Entomologia Experimentalis et Applicata* 77: 47-55.
- Neuenschwander, P., F. Schulthess, and E. Madojemu. 1986. Experimental evaluation of the efficiency of *Epidinocarsis lopezi*, a parasitoid introduced into Africa against the cassava mealybug, *Phenacoccus manihoti*. *Entomologia Experimentalis et Applicata* 42: 133-138.
- Neuenschwander, P., W. N. O. Hammond, A. P. Gutierrez, A. R. Cudjoe, R. Adjakloe, J. U. Baumgärtner, and U. Regev. 1989. Impact assessment of the biological control of the cassava mealybug, *Phenacoccus manihoti* Matile-Ferrero [Hemiptera: Pseudococcidae], by the introduced parasitoid *Epidinocarsis lopezi* (De Santis) [Hymenoptera: Encyrtidae]. *Bulletin of Entomological Research* 79: 579-594.
- Neuenschwander, P., C. Borgemeister, and J. Langewald (eds.). 2003. *Biological Control in IPM Systems in Africa*. CABI Publishing, Wallingford, United Kingdom.
- Neves, P. M. O. J., and E. Hirose. 2005. *Beauveria bassiana* strains selection for biological control of the coffee berry borer, *Hypothenemus hampei* (Ferrari) (Coleoptera: Scolytidae). *Neotropical Entomology* 34: 77-82. (in Portuguese)
- New, T. R. 1992. *Insects as Predators*. New South Wales University Press, Kensington, N.S.W., Australia.
- New, T. R. 2005. Biological control and invertebrate conservation, pp. 139-188. In: *Invertebrate Conservation and Agroecological Ecosystems*. Cambridge University Press, Cambridge, United Kingdom.

- Newsome, A. 1990. The control of vertebrate pests by vertebrate predators. *Trends in Ecology and Evolution* 5: 187-191.
- Newsome, A. E., I. Parer, and P. C. Catling. 1989. Prolonged prey suppression by carnivores – predator-removal experiments. *Oecologia* 78: 458-467.
- Newton, I. 1988. Monitoring of persistent pesticide residues and their effects on bird populations, pp. 33-45. *In*: Harding, D. J. L. (ed.). *Britain Since "Silent Spring," an Update on the Ecological Effects of Agricultural Pesticides in the U.K.* Proceedings of a Symposium held in Cambridge, United Kingdom, 18 March, 1988.
- Ngi-Song, A. J., W. A. Overholt, J. W. Smith, Jr., and S. B. Vinson. 1999. Suitability of new and old association hosts for the development of selected microgastrine parasitoids of gramineous stemborers. *Entomologia Experimentalis et Applicata* 90: 257-266.
- Nguyen, R., J.R. Brazzel, and C. Poucher. 1983. Population density of the citrus blackfly, *Aleurocanthus woglumi* Ashby (Homoptera: Aleyrodidae), and its parasites in urban Florida in 1979-1981. *Environmental Entomology* 12: 878-884.
- Nicholls, C. I., M. P. Parrella, and M. A. Altieri. 2000. Reducing the abundance of leafhoppers and thrips in a northern California organic vineyard through manipulation of full season floral diversity with summer cover crops. *Agricultural and Forest Entomology* 2: 107-113.
- Nicholson, A. J. 1957. The self-adjustment of populations to change. *Cold Springs Harbor Symposium Quantitative Biology* 22: 153-172.
- Nicholson, A. J. and V. A. Bailey. 1935. The balance of animal populations. *Proceedings of the Zoological Society of London* 98: 1935-1998.
- Nicoli, G., M. Benuzzi, and N. C. Leppla. 1994. Seventh workshop of the IOBC global working group "Quality control of mass reared arthropods." Rimimi, Italy, 13-16 September, 1993. International Organization for Biological and Integrated Control of Noxious Animals and Plants, West Palaearctic Regional Section (IOBC/WPRS), General Secretariat Montfavet, France.
- Nilsson, C. 1985. Impact of ploughing on emergence of pollen beetle parasitoids after hibernation. *Zeitschrift für Angewandte Entomologie* 100: 302-308.
- Ninkovic, V. and J. Pettersson. 2003. Searching behavior of the sevenspotted ladybird, *Coccinella septempunctata* – effects of plant-plant odor interaction. *Oikos* 100: 65-70.
- Ninkovich, V., S. Al Abassi, and J. Pettersson. 2001. The influence of aphid-induced plant volatiles on ladybird beetle searching behavior. *Biological Control* 21: 191-195.
- Nishida, T. and B. Napompeth. 1974. Trap for tephritid fruit fly parasites. *Entomophaga* 19: 349-352.
- Nogueira, de Sá, L. A., V. A. Costa, W. P. de Oliverira and Y. R. de Almeida. 2000. Parasitoids of *Phyllocnistis citrella* in Jaguariúna, state of Sao Paulo, Brazil, before and after the introduction of *Ageniaspis citricola*. *Scientia Agricola* 57: 799-801.
- Noldus, L. P. J. J. 1989. Semiochemicals, foraging behaviour and quality of entomophagous insects for biological control. *Journal of Applied Entomology* 108: 425-451.
- Noldus, L. P. J. J., W. J. Lewis, and J. H. Tumlinson. 1990. Beneficial arthropod behavior mediated by airborne semiochemicals. IX. Differential response of *Trichogramma pretiosum*,

- an egg parasitoid of *Heliothis zea*, to various olfactory cues. *Journal of Chemical Ecology* 16: 3531-3544.
- Nomikou, M., A. Janssen, R. Schraag, and M. W. Sabelis. 2004. Vulnerability of *Bemisia tabaci* nymphs to phytoseiid predators: consequences for oviposition and influence of alternative food. *Entomologia Experimentalis et Applicata* 110: 95-102.
- Norbury, G., R. Heyward, and, J. Parkes. 2002. Short-term ecological effects of rabbit haemorrhagic disease in the short-tussock grasslands of the South Island, New Zealand. *Wildlife Research* 29: 599-604.
- Nordblom., T. L., M. J. Smyth, A. Swirepik, A. W. Sheppard., and D. T. Briese. 2002. Spatial economics of biological control: investing in new release of insects for earlier limitation of Paterson's curse in Australia. *Agricultural Economics* 27: 403-424.
- Nordlund, D. A., Z. X. Wu, and S. M. Greenberg. 1997. *In vitro* rearing of *Trichogramma minutum* Riley (Hymenoptera: Trichogrammatidae) for ten generations, with quality assessment comparisons of *in vitro*- and *in vivo*-reared adults. *Biological Control* 9: 201-207.
- Norgaard, R. B. 1988. Economics of the cassava mealybug (*Phenacoccus manihoti*; Hom.: Pseudococcidae) biological control program in Africa. *Entomophaga* 33: 3-6.
- Norris, M. J. 1935. A feeding experiment on the adults of *Pieris rapae* Linnaeus (Lepid.: Rhop.). *Entomologist* 68: 125-127.
- North, S. G., D. J. Bullock, and M. E. Dulloo. 1994. Changes in vegetation and reptile populations on Round Island, Mauritius, following eradication of rabbits. *Biological Conservation* 67: 21-28.
- Norton, A. P., S. C. Welter. 1996. Augmentation of the egg parasitoid *Anaphes iole* (Hymenoptera: Mymaridae) for *Lygus hesperus* (Heteroptera: Miridae) management in strawberries. *Environmental Entomology* 25: 1406-1414.
- Nötzold, R., B. Blossey, and E. Newton. 1998. The influence of below ground herbivory and plant competition on growth and biomass allocation of purple loosestrife. *Oecologia* 113: 82-93.
- Nova website, *Caulerpa taxifolia*: <http://www.pbs.org/wgbh/nova/algae/chronology.html> (accessed October 21, 2004)
- Nowierski, R. M., and R. W. Pemberton. 2002. Leaf Spurge, pp. 181-207. In: Van Driesche, R., S. Lyon, B. Blossey, M. Hoddle, and R. Reardon (eds.). *Biological Control of Invasive Plants in the Eastern United States*. USDA Forest Service Publ. FHTET-2002-4, Morgantown, West Virginia, USA.
- NRC (National Research Council). 2002. Predicting invasions of nonindigenous plants and plant pests in the United States. National Academy Press, Washington, D.C.
- Nowotny, N. Bascuñana, A. Ballagi-Pordany, D. Gavier-Widen, M. Uhlen, N. and S. Belak. 1997. Phylogenetic analysis of rabbit haemorrhagic disease and European brown hare syndrome viruses by comparison of sequences from the capsid protein gene. *Archives of Virology* 142: 657-673.
- Nuessly, G. S. and R. D. Goeden. 1984. Rodent predation on larvae of *Coleophora parthenica* (Lepidoptera: Coleophoridae), a moth imported for the biological control of Russian thistle. *Environmental Entomology* 13: 502-508.

- Nyffeler, M. and G. Benz. 1987. Spiders in natural pest control: a review. *Journal of Applied Entomology* 103: 321-339.
- Nyrop, J. P. 1988. Sequential classification of prey/predator ratios with application to European red mite (Acari: Tetranychidae) and *Typhlodromus pyri* (Acari: Phytoseiidae) in New York apple orchards. *Journal of Economic Entomology* 81: 14-21.
- O'Brien, P. 1991. The social and economic implications of RHD introduction. *Search* 22: 191-193.
- Obrycki, J. J. and T. J. Kring. 1998. Predaceous Coccinellidae in biological control. *Annual Review of Entomology* 43: 295-321.
- Obrycki, J. J. and M. J. Tauber. 1984. Natural enemy activity on glandular pubescent potato plants in the greenhouse: an unreliable predictor of effects in the field. *Environmental Entomology* 13: 679-683.
- O'Callaghan, M. and E. M. Gerard. 2005. Establishment of *Serratia entomophila* in soil from a granular formulation. Proceedings of a Conference, Wellington, New Zealand, 9-11, August 2005. *New Zealand Plant Protection* 58: 122-125.
- O'Callaghan, M., T. R. Glare, E. P. J. Burgess, and L. A. Malone. 2005. Effects of plants genetically modified for insect resistance on nontarget organisms. *Annual Review of Entomology* 50: 271-292.
- Ochieng, R. S., G. W. Oloo, and E. O. Amboga. 1987. An artificial diet for rearing the phytoseiid mite *Amblyseius teke* Pritchard and Baker. *Experimental and Applied Acarology* 3: 169-173.
- O'Donnell, M. S. and T. H. Croaker. 1975. Potential of intra-crop diversity in the control of brassica pests, pp. 101-107. *Proceedings of the 8th British Insecticide and Fungicide Conference*, Brighton, United Kingdom.
- Ode, P. J. 2006. Plant chemistry and natural enemy fitness: effects on herbivory and natural enemy interactions. *Annual Review of Entomology* 51: 163-185.
- Oelrichs, P. B., J. K. MacLeod, A. A. Seawright, M. R. Moore, J. C. Ng, F. Dutra, F. Riet-Correa, M. C. Mendez, and S. M. Thansborg. 1999. Unique toxic peptides isolated from sawfly larvae in three continents. *Toxicon* 37: 537-544.
- Oetting, R. D. and J. G. Latimer. 1991. An entomogenous nematode, *Steinernema carpocapse*, is compatible with potting media environments created by horticultural practices. *Journal of Entomological Science* 26: 390-394.
- O'Hara, J. E. 1985. Oviposition strategies in the Tachinidae, a family of beneficial parasitic flies. *Agriculture and Forestry Bulletin, University of Alberta* 8: 31-34.
- Ohlinger, V. F., B. Haas, G. Meyers, and H. J. Thiel. 1990. Identification and characterization of the virus causing rabbit haemorrhagic disease. *Journal of Virology* 64: 3331-3336.
- Ohmart, C. P. and P. B. Edwards. 1991. Insect herbivory on *Eucalyptus*. *Annual Review of Entomology* 36: 637-657.
- Oksanen, L., S. D. Fretwell, J. Arruda, and P. Niemela. 1981. Exploitation ecosystems in gradients of primary productivity. *The American Naturalist* 118: 240-261.
- Oksanen, L., T. Oksanen, P. Ekerholm, J. Moen, P. Lundberg, M. Schneider, and M. Aunapuu. 1996. Structure and dynamics of arctic-subarctic grazing webs in relation to primary produc-

- tivity, pp. 231-242. In: Polis, G. A. and K. O. Winemiller (eds.). *Food Webs: Integration of Patterns and Dynamics*. Chapman and Hall, New York. 472 pp.
- Okuda, M. S. and K. V. Yeargan. 1988. Intra- and interspecific host discrimination in *Telenomus podisi* and *Trissolcus euschisti* (Hymenoptera: Scelionidae). *Annals of the Entomological Society of America* 81: 1017-1020.
- Olckers, T. and M. P. Hill. 1999. *Biological Control of Weeds in South Africa (1990-1998)*. African Entomology Memoir No. 1, Entomological Society of Southern Africa, Johannesburg, South Africa.
- Olckers, T. and P. E. Hulley. 1995. Importance of preintroduction surveys in the biological control of *Solanum* weeds in South Africa. *Agriculture, Ecosystems, and the Environment* 52: 179-185.
- Olckers, T. and W. D. Lotter. 2004. Possible non-target feeding by the bugweed lace but, *Gargaphia decoris* (Tingidae), in South Africa: field evaluations support predictions of laboratory host-specificity studies. *African Entomology* 12: 283-285.
- Oliver, K. M., N. A. Moran, and M. S. Hunter. 2005. Variation in resistance to parasitism in aphids is due to symbionts not host genotype. *Proceedings of the National Academy of Sciences of the United States of America* 102: 12795-12800.
- Oliver, K. M., J. A. Russell, N. A. Moran, and M. S. Hunter. 2003. Facultative bacterial symbionts in aphids confer resistance to parasitic wasps. *Proceedings of the National Academy of Sciences of the United States of America* 100 (4): 1803-1807.
- O'Neil, R. J. 1984. Measurement and analysis of arthropod predation on velvetbean caterpillar (*Anticarsia gemmatalis*). Ph.D. Dissertation, University of Florida, Gainesville, Florida, USA.
- O'Neil, R. J. 1988. Predation by *Podisus maculiventris* on Mexican bean beetle, *Epilachna varivestis*, in Indiana soybeans. *The Canadian Entomologist* 120: 161-166
- O'Neil, R. J. 1997. The search strategy and functional response of *Podisus maculiventris* in potatoes. *Environmental Entomology* 26: 1183-1190.
- O'Neil, R. J. and R. N. Wiedenmann. 1987. Adaptations of arthropod predators to agricultural systems. *Florida Entomologist* 70: 40-48.
- O'Neil, R. J. and J. L. Stimac. 1988a. Measurement and analysis of arthropod predation on velvetbean caterpillar, *Anticarsia gemmatalis* (Lepidoptera: Noctuidae), in soybeans. *Environmental Entomology* 17: 821-826.
- O'Neil, R. J. and J. L. Stimac. 1988b. Model of arthropod predation on velvetbean caterpillar (Lepidoptera: Noctuidae) larvae in soybean. *Environmental Entomology* 17: 983-987.
- Onzo, A., R. Hanna, and M. W. Sabelis. 2005. Biological control of cassava green mites in Africa: impact of the predatory mite *Typhlodromalus aripo*. *Entomologische Berichten* 65: 2-7.
- Opp, S. B. and R. F. Luck. 1986. Effects of host size on selected fitness components of *Aphytis melinus* and *A. lingnanensis* (Hymenoptera: Aphelinidae). *Annals of the Entomological Society of America* 79: 700-704.
- Orlandini, G. and R. Martellucci. 1997. Melon: biological control of *Aphis gossypii*. *Coltura Protette* 26 (6): 33-36 (in Italian).

- Ortega, Y. K., D. E. Pearson, and K. S. McKelvey. 2004. Effects of biological control agents and exotic plant invasion on deer mouse populations. *Ecological Applications* 14: 241-253.
- Osakabe, M. 1988. Relationships between food substances and developmental success in *Amblyseius sojaensis* Ehara (Acarina: Phytoseiidae). *Applied Entomology and Zoology* 23: 45-51.
- Osborne, K. J., R. J. Powles, and P. L. Rogers. 1990. *Bacillus sphaericus* as a biocontrol agent. *Australian Journal of Biotechnology* 4: 205-211.
- Osborne, L. S. 1987. Biological control of *Tetranychus urticae* Koch on ornamental foliage plants in Florida. *Bulletin SROP* 10(2): 144-148.
- Osborne, L. S., D. G. Boucias, and R. K. Lindquist. 1985. Activity of *Bacillus thuringiensis* var. *israelensis* on *Bradysia coprophila* (Diptera: Sciaridae). *Journal of Economic Entomology* 78:922-5.
- Osborne, L. S., J. E. Peña, R. L. Ridgway and W. Klassen. 1998. Predaceous mites for mite management on ornamentals in protected culture, pp. 116-138. In: Ridgway, R. L., M. P. Hoffmann, N. N. Inscoe, and C. Glenister (eds.). *Mass-reared Natural Enemies: Application, Regulation, and Needs*. Thomas Say Publications in Entomology: Proceedings. Entomological Society of America, Lanham, Maryland, USA.
- Osborne, L. S., K. Bolckmans, Z. Landa, and J. Peña. 2004. Kinds of natural enemies, pp. 95-127. In: Heinz, K. M., R. G. Van Driesche, and M. P. Parrella (eds.). *Biocontrol in Protected Culture*. Ball Publishing, Batavia, Illinois, USA.
- Östman, Ö. 2004. The relative effects of natural enemy abundance and alternative prey abundance on aphid predation rates. *Biological Control* 30: 281-287.
- Outreman, Y., A. le Ralec, E. Wajnberg, and J. S. Pierre. 2005. Effects of within- and among-patch experiences on the patch-leaving decision rules in an insect parasitoid. *Behavioral Ecology and Sociobiology* 58: 208-217.
- Overmeer, W. P. J. 1985. Rearing and handling, pp. 161-170. In: Helle, W. and M. W. Sabelis (eds.). *Spider Mites: Their Biology, Natural Enemies, and Control*, Vol 1B. Elsevier, Amsterdam, The Netherlands.
- Pacala, S. W. and M. P. Hassell. 1991. The persistence of host-parasitoid associations in patchy environments. II. Evaluation of field data. *American Naturalist* 138: 584-605.
- Page, A. R., and K. L. Lacey. 2006. *Economic Impact Assessment of Australian Weed Biological Control*. CRC for Australian Weed Management Technical Series #10, CRC Weed Management, Adelaide, Australia.
- Paine, R. W. 1994. *Recollections of a Pacific Entomologist, 1925-1966*. Australian Centre for International Agricultural Research, Canberra, Australia.
- Paine, T. D. and J. G. Millar. 2002. Insect pests of eucalypts in California: implications of managing invasive species. *Bulletin of Entomological Research* 92: 147-151.
- Pak, G. A. and T. G. van Heiningen. 1985. Behavioural variations among strains of *Trichogramma* spp.: adaptability to field-temperature conditions. *Entomologia Experimentalis et Applicata* 38: 3-13.
- Palanza, P. and F. vom Saal. 2002. Effects of endocrine disrupters on behaviour and reproduction, pp. 377-407. In: Dell'Omo, G. (ed.). *Behavioural Ecotoxicology*. John Wiley and Sons, Ltd., Chichester, United Kingdom.

- Palrang, A. T. and A. A. Grigarick. 1993. Flight response of the rice water weevil (Coleoptera: Curculionidae) to simulated habitat conditions. *Journal of Economic Entomology* 86: 1376-1380.
- Papaj, D. R. and L. E. M. Vet. 1990. Odor learning and foraging success in the parasitoid *Leptopilina heterotoma*. *Journal of Chemical Ecology* 16: 3137-3150.
- Parajulee, M. N., T. W. Phillips, and D. B. Hogg, D.B. 1994. Functional response of *Lyctocoris campestris* (F.) adults: effects of predator sex, prey species, and experimental habitat. *Biological Control* 4: 80-87.
- Paré, P. W. and J. H. Tumlinson. 1996. Plant volatile signals in response to herbivore feeding. *Florida Entomologist* 79: 93-103.
- Park, H.-Y., D. K. Bideshi, and B. A. Federici. 2003. Recombinant strain of *Bacillus thuringiensis* producing Cyt1A, Cry11B, and the *Bacillus sphaericus* binary toxin. *Applied and Environmental Microbiology* 69: 1331-1334.
- Park, H.-Y., D. K. Bideshi, M. C. Wirth, J. J. Johnson, W. E. Walton, and B. A. Federici. 2005. Recombinant larvicidal bacterial with markedly improved efficacy against *Culex* vectors of West Nile virus. *American Journal of Tropical Medicine and Hygiene* 72: 732-738.
- Parker, J. D., D. E. Burkepille, and M. E. Hay. 2006. Opposing effects of native and exotic herbivores on plant invasions. *Science* 311: 1459-1461.
- Parkes, J. and E. Murphy. 2004. Risk assessment of stoat control methods for New Zealand. *Science for Conservation* 237: 5-38.
- Parkes, J. P., G. L. Norbury, R. P. Heyward, and G. Sullivan. 2002. Epidemiology of rabbit haemorrhagic disease (RHD) in the South Island, New Zealand. *Wildlife Research* 29: 543-555.
- Parkman, J. P., W. G. Hudson, J. H. Frank, K. B. Nguyen, and G. C. Smart, Jr. 1993. Establishment and persistence of *Steinernema scapterisci* (Rhabditida: Steinernematidae) in field populations of *Scapteriscus* spp. mole crickets (Orthoptera: Gryllotalpidae). *Journal of Entomological Science* 28: 182-190.
- Parkman, J. P., J. H. Frank, T. J. Walker, and D. J. Schuster. 1996. Classical biological control of *Scapteriscus* spp. (Orthoptera: Gryllotalpidae) in Florida. *Environmental Entomology* 25: 1415-1420.
- Parra, F. and M. Prieto, 1990. Purification and characterization of a calicivirus as the causative agent of lethal haemorrhagic disease in rabbits. *Journal of Virology* 68: 4013-4015.
- Parra, J. R. P. and R. A. Zucchi. 2004. *Trichogramma* in Brazil: feasibility of use after twenty years of research. *Neotropical Entomology* 33: 271-281.
- Pasqualini, E. and C. Malavolta. 1985. Possibility of natural limitation of *Panonychus ulmi* (Koch) (Acarina, Tetranychidae) on apple in Emilia-Romagna. *Bolletino dell'Instituto di Entomologia 'Guido Grandi' della Universita degli Studi di Bologna* 39: 221-230.
- Pasteels, J. M., J.-C. Grégoire, and M. Rowell-Ratheir. 1983. The chemical ecology of defense in arthropods. *Annual Review of Entomology* 28: 263-289.
- Pathak, J. P. N. (ed.). 1993. *Insect Immunity*. Kluwer Academic Pub., Boston, Massachusetts, USA.
- Patterson, R. S., P. G. Koehler, R. B. Morgan, and R. L. Harris (eds.). 1981. *Status of Biological Control of Filth Flies*. USDA/SEA publication, New Orleans, Louisiana, USA.

- Paul, I., A. S. van Jaarsveld, L. Korsten, and V. Hattingh. 2005. The potential global geographic distribution of citrus black spot caused by *Guignardia citricarpa* (Kiley): likelihood of disease establishment in the European Union. *Crop Protection* 24: 297-308.
- Pavis, C., J.-A. Huc, G. Delvare, and N. Boissot. 2003. Diversity of the parasitoids of *Bemisia tabaci* B-biotype (Hemiptera: Aleyrodidae) in Guadeloupe Island (West Indies). *Environmental Entomology* 32: 608-613.
- Payne, C. C. 1986. Insect pathogenic viruses as pest control agents, pp. 183-200. In : Franz, J. M. (ed.). *Biological Plant and Health Protection: Biological Control of Plant Pests and of Vectors of Human and Animal Diseases*. International Symposium of the Akademie der Wissenschaften und der Literatur, Mainz, November 15-17, 1984 at Mainz and Darmstadt. *Fortschritte der Zoologie* 32: 341 pp., Gustav Fischer Verlag, Stuttgart, Germany.
- Paynter, Q. 2005. Evaluating the impact of a biological control agent *Carmentis mimosae* on the woody wetland weed *Mimosa pigra* in Australia. *Journal of Applied Ecology* 42:1054-1062.
- Paynter, Q. E., S. V. Fowler, A. H. Gourelay, M. L. Haines, H. M. Harmon, S. R. Hona, P. G. Peterson, L. A. Smith, J. R. A. Wilson-Davey, C. J. Winks, and T. M. Withers. 2004. Safety in New Zealand weed biocontrol: a nationwide survey for impacts on non-target plants. Proceedings of a conference, Hamilton, New Zealand, 10-12, August, 2004. *New Zealand Plant Protection* 57: 102-107.
- Pearl, R. 1927. The growth of populations. *Quarterly Review of Biology* 2: 532-548.
- Pearl, R. and L. J. Reed. 1920. On the rate of growth of the population of the United States since 1790 and its mathematical representation. *Proceedings of the National Academy of Science of the United States* 6: 275-288.
- Pearson, D. E. and R. M. Callaway. 2003. Indirect effects of host-specific biological control agents. *Trends in Ecology and Evolution* 18: 456-461.
- Pearson, D. E. and R. M. Callaway. 2005. Indirect nontarget effects of host-specific biological control agents: implications for biological control. *Biological Control* 35: 288-298.
- Pearson, D. E. and R. M. Callaway. 2006. Biological control agents elevate hantavirus by subsidizing deer mouse populations. *Ecology Letters* 9: 443-450.
- Pearson, D. E., K. S. McKelvey, and L. F. Ruggiero. 2000. Non-target effects of an introduced biological control agent on deer mouse ecology. *Oecologia* 122: 121-128.
- Pearson, D. L., and A. P. Vogler. 2001. *Tiger Beetles: The Evolution, Ecology, and Diversity of the Cicindelids*. Comstock Publishing Associates, Cornell University Press, Ithaca, New York, USA.
- Pearson, J. F. and T. A. Jackson. 1995. Quality control management of the grass grub microbial control product, Invade®. *Proceedings of the Agronomy Society of New Zealand* 25: 51-53.
- Pedersen, B. S. and N. J. Mills. 2004. Single vs. multiple introduction in biological control: the roles of parasitoid efficiency, antagonism, and niche overlap. *Journal of Applied Ecology* 41: 973-984
- Pemberton, C. E. 1925. *The Field Rat in Hawaii and its Control*. Hawaiian Sugar Planters' Association Experiment Station Bulletin No. 17, Honolulu, Hawaii, USA. 46 pp.
- Pemberton, R. W. 2000. Predictable risk to native plants in weed biological control. *Oecologia* 125: 489-494.

- Pemberton, R. W. 2002. Selection of appropriate future target weeds for biological control, pp. 375-386. *In*: Van Driesche, R. G., B. Blossey, M. Hoddle, S. Lyon, and R. Reardon (eds.). *Biological Control of Invasive Plants in the Eastern United States*. USDA Forest Service, FHTET-2002-04, Morgantown, West Virginia, USA.
- Pemberton, R. W. and P. D. Pratt. 2002. Skunk vine, pp. 343-351. *In* Van Driesche, R. G., B. Blossey, M. Hoddle, S. Lyon, and R. Reardon (eds.). *Biological Control of Invasive Plants in the Eastern United States*. USDA Forest Service, FHTET-2002-04, Morgantown, West Virginia, USA.
- Penman, D. R., C. H. Wearing, E. Collyer, and W. P. Thomas. 1979. The role of insecticide-resistant phytoseiids in integrated mite control in New Zealand. *Recent Advances in Acarology* 1: 59-69.
- Pennacchio, F. and M. R. Strand. 2006. Evolution of developmental strategies in parasitic Hymenoptera. *Annual Review of Entomology* 51: 233-258.
- Perdikis, D. C., J. T. Margaritopoulos, C. Stamatis, Z. Mamuris, D. P. Lykouressis, J. A. Tsitsipis, and A. Pekas. 2003. Discrimination of the closely related biocontrol agents *Macrolophus melanotoma* (Hemiptera: Miridae) and *M. pygmaeus* using mitochondrial DNA analysis. *Bulletin of Entomological Research* 93: 507-514.
- Pérez, V. A., R. M. Carrillo M., F. Quiñones P. y H. S. Hernández T. 2005. Capacidad depredadora de *Harmonia axyridis* (Coleoptera: Coccinellidae) en el control del psílido del eucalipto *Glycaspis brimblecombei* (Homoptera: Spondylaspididae). *Entomología mexicana* 4: 468-470.
- Perfecto, I. 1991. Ants (Hymenoptera: Formicidae) as natural control agents of pests in irrigated maize in Nicaragua. *Journal of Economic Entomology* 84: 65-70.
- Perlak, F. J., R. W. Deaton, T. A. Armstrong, R. L. Fuchs, *et al.* 1990. Insect resistant cotton plants. *Bio/Technology* 8: 939-943.
- Perlak, F. J., R. L. Fuchs, D. A. Dean, S. L. McPherson, and D. A. Fischhoff. 1991. Modification of coding sequence enhances plant expression of insect control protein genes. *Proceedings of the National Academy of Science of the United States of America* 88: 3325-3328.
- Peschken, D. P. and A. S. McClay. 1995. Picking the target: A revision of McClay's scoring system to determine the suitability of a weed for classical biological control, pp. 137-143. *In*: Delfosse, E. S. and R. R. Scott (eds.). *Proceedings of the VIIIth International Symposium on Biological Control of Weeds*, 2-7 February, 1992, Lincoln University, Canterbury, New Zealand. CSIRO, Melbourne, Australia.
- Peschken, D. P., R. DeClerck-Floate, and A. S. McClay. 1997. *Casida azurea* Fab. (Coleoptera: Chrysomelidae): host specificity and establishment in Canada as a weed biological control agent against the weed *Silene vulgaris* (Moench) Garcke. *The Canadian Entomologist* 129: 949-958.
- Petersen, J. J. and D. M. Currey. 1996. Timing of releases of gregarious *Muscidifurax raptorellus* (Hymenoptera: Pteromalidae) to control flies associated with confined beef cattle. *Journal of Agricultural Entomology* 13: 55-63.
- Petersen, J. J. and G. L. Greene. 1989. Potential for biological control of stable flies associated with confined livestock. *Miscellaneous Publications of the Entomological Society of America* 74: 41-45.

- Petersen, J. J., J. A. Meyer, D. A. Stage, and P. B. Morgan. 1983. Evaluation of sequential releases of *Spalangia endius* (Hymenoptera: Pteromalidae) for control of house flies and stable flies (Diptera: Muscidae) associated with confined livestock in eastern Nebraska. *Journal of Economic Entomology* 76: 283-286.
- Petersen, J. J., D. W. Watson, and J. K. Cawthra. 1995. Comparative effectiveness of three release rates for a pteromalid parasitoid (Hymenoptera) of house flies (Diptera) in beef cattle feedlots. *Biological Control* 5: 561-565.
- Peterson, P. G., P. G. McGregor, and B. P. Springett. 1994. Development of *Stethorus bifidus* in relation to temperature: implications for regulation of gorse spider mite populations. *Proceedings of the New Zealand Plant Protection Conference* 47: 103-106.
- Petrova, V., Cudare, Z., and I. Steinite. 2002. The efficiency of the predatory mite *Amblyseius cucumeris* (Acari: Phytoseiidae) as a control agent of the strawberry mite *Phytonemus pallidus* (Acari: Tarsonemidae) on field strawberry, pp. 675-678. *In: Hietaranta, T., M. M. Linna, P. Palonen, and P. Parikka (eds.). Proceedings of the Fourth International Strawberry Symposium, Tampere, Finland, July 9-14, 2000. Acta Horticulturae* No. 567 (vol. 2). International Society for Horticultural Science, Leuven, Belgium.
- Pettersson, B., K. E. Rippere, A. A. Yousten, and F. G. Priest. 1999. Transfer of *Bacillus lentimorbus* and *Bacillus popilliae* to the genus *Paenibacillus* with emended descriptions of *Paenibacillus lentimorbus* comb. nov. and *Paenibacillus popilliae* comb. nov. *International Journal of Systematic Bacteriology* 49: 531-540.
- Pfannenstiel, R. S. and T. R. Unruh. 2003. Conservation of leafroller parasitoids through provision of alternate hosts in near-orchard habitats, pp. 256-262. *In: Van Driesche, R. G. (ed.). Proceedings of the First International Symposium on Biological Control of Arthropods, January 14-18, 2002, Honolulu, Hawaii, USA. FHTET-03-05. USDA Forest Service, Morgantown, West Virginia, USA.*
- Pfannenstiel, R. S. and K. V. Yeargan. 2002. Identification and diel activity patterns of predators attacking *Helicoverpa zea* (Lepidoptera: Nctuicideae) eggs in soybean and sweet corn. *Environmental Entomology* 31: 232-241.
- Pfannenstiel, R. S., R. E. Hunt, and K. V. Yeargan. 1995. Orientation of a hemipteran predator to vibrations produced by feeding caterpillars. *Journal of Insect Behavior* 8: 1-9.
- Pfeuffer, R. J. and G. M. Rand. 2004. South Florida ambient pesticide monitoring program. *Ecotoxicology* 13: 195-205.
- Pfiffner, L. and E. Wyss. 2004. Use of sown wildflower strips to enhance natural enemies of agricultural pests, pp. 165-186. *In: Gurr, G. M., S. D. Wratten, and M. A. Altieri (eds.). 2004. Ecological Engineering for Pest Management, Advances in Habitat Manipulation for Arthropods.* Cornell University Press, Ithaca, New York, USA.
- Phillips, C. B., R. P. Cane, J. Mee, H. M. Chapman, K. A. Hoelmer, and D. Coutinot. 2002. Intraspecific variation in the ability of *Microctonus aethiopoides* (Hymenoptera: Braconidae) to parasitise *Sitona lepidus* (Coleoptera: Curculionidae). *New Zealand Journal of Agricultural Research* 45: 295-303.
- Piao, Y. F. and S. Yan. 1996. Progress of mass production and field application of *Trichogramma dendrolimi*, pp. 1135-1136. *In: Zhang, Z. L., Y. F. Piao, and J. W. Wu (eds.). Proceedings*

- of the National Symposium on IPM in China, China Agricultural Sciencetech Press, Beijing, PRC.
- Pickering, J., J. D. Dutcher, and B. S. Ekbom. 1989. An epizootic caused by *Erynia neoaphidis* and *E. radicans* (Zygomycetes: Entomophthoraceae) on *Acrythosiphon pisum* (Hom., Aphididae) on legumes under overhead irrigation. *Journal of Applied Entomology* 107: 331-333.
- Pickett, C. H. and R. L. Bugg. 1998. *Enhancing Biological Control, Habitat Management to Promote Natural Enemies of Agricultural Pests*. University of California Press, Berkeley, California, USA.
- Pickett, C. H., L. T. Wilson, and D. L. Flaherty. 1990. The role of refuges in crop protection, with reference to plantings of French prune trees in a grape agroecosystem, pp. 151-165. In: Bostanian, N. J., L. T. Wilson, and T. J. Dennehy. *Monitoring and Integrated Management of Arthropod Pests of Small Fruit Crops*. Intercept. Andover, UK.
- Pierce, N. E., R. L. Kitching, R. C. Buckley, M. F. J. Taylor, and K. F. Benbow. 1987. The costs and benefits of cooperation between the Australian lycaenid butterfly, *Jalmenus evagoras*, and its attendant ants. *Behavioral Ecology and Sociobiology* 21: 237-248.
- Piggin, C. M. 1982. The biology of Australian weeds. 8. *Echium plantagineum* L. *Journal of the Australian Institute of Agricultural Science* 48: 3-16.
- Pilkington, L. J. and M. S. Hoddle. 2006. Reproductive and development biology of *Gonatocerus ashmeadi* (Hymenoptera: Mymaridae), an introduced egg parasitoid of *Homalodisca coagulata* (Hemiptera: Cicadellidae). *Biological Control* 37: 266-275.
- Pimentel, D. 1963. Introducing parasites and predators to control native pests. *The Canadian Entomologist* 95: 785-792.
- Pimentel D. and A. G. Wheeler, Jr. 1973. Species diversity of arthropod in the alfalfa community. *Environmental Entomology* 2:659-668.
- Piña, V. I. y A. G. Trejo L. 2004. Áfidos presa y plantas hospederas de *Harmonia axyridis* (Pallas) (Coccinellidae) en Cuernavaca, Morelos, México. *Entomología mexicana* 3: 247-250.
- Pinto, A. de S., J. R. P. Parra, H. N. de Oliveira, and E. D. B. Arrigoni. 2003. Comparison of release techniques of *Trichogramma galloi* Zucchi (Hymenoptera: Trichogrammatidae) to control *Diatraea saccharalis* (Fabricius) (Lepidoptera: Crambidae). *Neotropical Entomology* 32: 31-318. (in Portuguese)
- Pinto, J. D. and R. Stouthamer. 1994. Systematics of the Trichogrammatidae with emphasis on *Trichogramma*, pp. 1-36. In: Wajnberg, E. and S. A. Hassan (eds.). *Biological Control with Egg Parasitoids*. Commonwealth Agricultural Bureaux, Wallingford, United Kingdom.
- Pinto, J. D., D. J. Kazmer, G. R. Platner, and C. A. Sassaman. 1992. Taxonomy of the *Trichogramma minutum* complex (Hymenoptera, Trichogrammatidae) - Allozymic variation and Its relationship to reproductive and geographic data. *Annals of the Entomological Society of America* 85: 413-422.
- Pinto, J. D., A. B. Koopmanschap, G. R. Platner, and R. Stouthamer. 2002. The North American *Trichogramma* (Hymenoptera: Trichogrammatidae) parasitizing certain Tortricidae (Lepidoptera) on apple and pear, with ITS2 DNA characterizations and description of a new species. *Biological Control* 23: 134-142.

- Pintureau, B. 1990. Polymorphism biogeography and parasitic specificity of European *Trichogramma*. *Bulletin de la Societe Entomologique de France* 95: 17-38.
- Pintureau, B. 1993. Enzymatic analysis of the genus *Trichogramma* (Hymenoptera: Trichogrammatidae) in Europe. *Entomophaga* 38: 411-431.
- Piper, G. L., E. M. Coombs, B. Blossey, P. B. McEvoy, and S. S. Schooler. 2004. Purple loosestrife, pp. 271-292. *In*: E. M. Coombs, J. K. Clark, G. L. Piper, and A. F. Cofrancesco, Jr. (eds.). *Biological Control of Invasive Plants in the United States*. Oregon State University Press, Corvallis, Oregon, USA. 466 pp.
- Pizzol, J., O. Khoualdia, A. Ferran, P. Chavigny, and F. Vanlerberghe-Masutti. 2005. A single molecular marker to distinguish between strains of *Trichogramma cacoeciae*. *Biocontrol Science and Technology* 15: 527-531.
- Podgwaite, J. D. 1986. Effects of insect pathogens on the environment, pp. 279-287. *In*: Franz, J. M. (ed.). *Biological Plant and Health Protection: Biological Control of Plant Pests and of Vectors of Human and Animal Diseases*. International Symposium of the Akademie der Wissenschaften und der Literatur, Mainz, November 15-17, 1984 at Mainz and Darmstadt. *Fortschritte der Zoologie* 32: 341 pp., Gustav Fischer Verlag, Stuttgart, Germany.
- Podoler, H. and D. Rogers. 1975. A new method for the identification of key factors from life-table data. *Journal of Animal Ecology* 44: 85-114.
- Poehling, H.-M. 1989. Selective application strategies for insecticides in agricultural crops, pp. 151-175. *In*: Jepson, P. C. (ed.). *Pesticides and Non-Target Invertebrates*. Intercept, Wimborne, United Kingdom.
- Poinar, G. O. 1986. Entomophagous nematodes, pp. 95-121. *In*: Franz, J. M. (ed.). *Biological Plant and Health Protection: Biological Control of Plant Pests and of Vectors of Human and Animal Diseases*. International Symposium of the Akademie der Wissenschaften und der Literatur, Mainz, November 15-17th, 1984 at Mainz and Darmstadt. *Fortschritte der Zoologie* 32: 341 pp. Gustav Fischer Verlag, Stuttgart, Germany.
- Polis, G. A., and K. O. Winemiller (editors). 1996. *Food Webs: Integration of Patterns and Dynamics*. Chapman and Hall, New York. 472 pp.
- Polkinghorne, I., S. Hamerli, P. Cowan, and J Duckworth. 2005. Plant-based immunocontraceptive control of wildlife – “potentials, limitations, and possums.” *Vaccine* 23: 1847-1850.
- Pollard, E., K. H. Lakhani, and P. Rothery. 1987. The detection of density-dependence from a series of annual censuses. *Ecology* 68: 2046-2055.
- Poolman Simons, M. T. T., B. P. Sukerkropp, L. E. M. Vet, and G. de Moed. 1992. Comparison of learning in related generalist and specialist eucoilid parasitoids. *Entomologia Experimentalis et Applicata* 64: 117-124.
- Poopathi, S. and K. A. Kumar. 2003. Novel fermentation media for production of *Bacillus thuringiensis* subsp. *israelensis*. *Journal of Economic Entomology* 96: 1039-1044.
- Poopathi, S, K. A. Kumar, N. Arunachalam, B. K. Tyagi, and V. Sekar. 2003. Control of *Culex quinquefasciatus* (Diptera: Culicidae) by *Bacillus sphaericus* and *B. thuringiensis* subsp. *israelensis*, produced on a new potato extract culture medium. *Biocontrol Science and Technology* 13: 743-748.

- Popov, N. A., I. A. Zabudskaja, and I. G. Burikson. 1987. The rearing of *Encarsia* in biolaboratories in greenhouse combines. *Zashchita Rastenii* 6: 33.
- Porter, S. D. 1998. Host-specific attraction of *Pseudacteon* flies (Diptera: Phoridae) to fire ant colonies in Brazil. *Florida Entomologist* 81: 423-429
- Porter, S. D. 2000. Host specificity and risk assessment of releasing the decapitating fly, *Pseudacteon curvatus*, as a classical biological control agent for imported fire ants. *Biological Control* 19: 35-47.
- Porter, S. D. and L. E. Gilbert. 2004. Assessing host specificity and field release potential of fire ant decapitating flies (Phoridae: *Pseudacteon*), pp. 152-176. In: Van Driesche, R. G. and R. Reardon (eds.). *Assessing Host Ranges for Parasitoids and Predators Used for Classical Biological Control: A Guide to Best Practice*. FHTET-2004-03, United States Department of Agriculture Forest Service, Morgantown, West Virginia, USA
- Porter, S. D., H. G. Fowler, S. Campiolo, and M. A. Pesquero. 1995. Host specificity of several *Pseudacteon* (Diptera: Phoridae) parasites of fire ants (Hymenoptera: Formicidae) in South America. *Florida Entomologist* 78: 70-75.
- Porter, S. D., D. F. Williams, R. S. Patterson, and H. G. Fowler. 1997. Intercontinental differences in the abundance of *Solenopsis* fire ants (Hymenoptera: Formicidae): an escape from natural enemies? *Environmental Entomology* 26: 373-384.
- Porter, S. D., L. A. Nogueira de Sá, and L. W. Morrison. 2004. Establishment and dispersal of the fire ant decapitating fly *Pseudacteon tricuspis* in north Florida. *Biological Control* 29: 179-188.
- Possee, R. D., C. J. Allen, P. F. Entwistle, L. R. Cameron, and D. H. L. Bishop. 1990. Field trials of genetically engineered baculovirus insecticides, pp. 50-60. In: Anon. *Risk Assessment in Agricultural Biotechnology*. Proceedings of the International Conference. August, 1998. University of California, Berkeley, California, USA.
- Potting, R. P. J., L. E. M. Vet, and M. Dicke. 1995. Host microhabitat location by stem-borer parasitoid *Cotesia flavipes*: the role of herbivore volatiles and locally and systemically induced plant volatiles. *Journal of Chemical Ecology* 21: 525-539.
- Pottinger, R. P. and E. J. LeRoux. 1971. The biology and dynamics of *Lithocolletis blancardella* (Lepidoptera: Gracillariidae) on apple in Quebec. *Memoirs of the Entomological Society of Canada* 77: 1-437.
- Powell, G. W., A. Sturko, B. M. Wikeem, and P. Harris. 1994. *Field Guide to the Biological Control of Weeds in British Columbia*. Land Management Handbook No. 27, Province of British Columbia, Ministry of Forests, Victoria, British Columbia, Canada.
- Prabakaran, G. and K. Balaraman. 2006. Development of a cost-effective medium for the large scale production of *Bacillus thuringiensis* var *israelensis*. *Biological Control* 36: 288-292.
- Prasad, Y. K. 1989. The role of natural enemies in controlling *Icerya purchasi* in South Australia. *Entomophaga* 34: 391-395.
- Prasifka, J. R., P. C. Krauter, K. M. Heinz, C. G. Sansone, and R. R. Minzenmayer. 1999. Predator conservation in cotton: using grain sorghum as a source for insect predators. *Biological Control* 16: 223-229.

- Prasifka, J. R., K. M. Heinz, and C. G. Sansone. 2004. Timing, magnitude, rates, and putative causes of predator movement between cotton and grain sorghum fields. *Environmental Entomology* 33: 282-290.
- Pratt, P. D., E. M. Coombs, and B. A. Croft. 2003. Predation by phytoseiid mites on *Tetranychus lintearius* (Acari: Tetranychidae), and established weed biological control agent of gorse (*Ulex europaeus*). *Biological Control* 26: 40-47.
- Pratt, P. D., D. H. Slone, M. B. Rayamajhi, T. H. Van, and T. D. Center. 2003. Geographic distribution and dispersal rate of *Oxyops vitiosa* (Coleoptera: Curculionidae), a biological control agent of the invasive tree *Melaleuca quinquenervia* in south Florida. *Environmental Entomology* 32: 397-406.
- Pratt, P. D., M. B. Rayamajhi, T. K. Van, T. D. Center, and P. W. Tipping. 2005. Herbivory alters resource allocation and compensation in the invasive tree *Melaleuca quinquenervia*. *Ecological Entomology* 30: 316-326.
- Praveen, P.M. and N. Dhandapani. 2003. Development of biocontrol based pest management in tomato, *Lycopersicon esculentum* (Mill.), pp. 267-270. In: Anon. *Proceedings of the Symposium of Biological Control of Lepidopteran Pests*, July 17-18, 2002. Bangalore, India, Society for Biocontrol Advancement, Bangalore, India.
- Press, J. W., B. R. Flaherty, and R. T. Arbogast. 1974. Interactions among *Plodia interpunctella*, *Bracon hebetor*, and *Xylocoris flavipes*. *Environmental Entomology* 3: 183-184.
- Price, J. F., D. E. Legard, and C. K. Chandler. 2002a. Twospotted spider mite resistance to abamectin miticide on strawberry and strategies for resistance management, pp. 683-685. In: Hietaranta, T., M. M. Linna, P. Palonen, and P. Parikka (eds.). *Proceedings of the Fourth International Strawberry Symposium*, Tampere, Finland, July 9-14, 2000. *Acta Horticulturae* No. 567 (vol. 2). International Society for Horticultural Science, Leuven, Belgium.
- Price, J. F., D. E. Legard, C. K. Chandler, and E. McCord. 2002b. Changes in Florida strawberry production in response to twospotted spider mite resistance to Agri-Mek abamectin, pp. 64-66. In: Hokanson, S. C. and A. R. Jamieson (eds.). *Strawberry research to 2001. Proceedings of the 5th North American Strawberry Conference*. American Society for Horticultural Science, Alexandria, Virginia, USA.
- Price, P. W. 1970. Trail odours: recognition by insects parasitic in cocoons. *Science* 170: 546-547.
- Price, P. W. 1997. *Insect Ecology*. John Wiley and Sons, Inc., New York.
- Prinsloo, G., Y. Chen, K. L. Giles, and M. H. Greenstone. 2002. Release and recovery in South Africa of the exotic aphid parasitoid *Aphelinus hordei* Kurdjumov (Hymenoptera: Aphelinidae) verified by the polymerase chain reaction. *BioControl* 47:127-136.
- Prinsloo, H. E. 1960. Parasitiese mikro-organismes by die bruinsprinkaan *Locustana pardalina* (Walk.). *Suid-Afrikaanse Tydskrif vir Landbouwetenskap* 3: 551-560.
- Prokopy, R. J. and M. Christie. 1992. Studies on releases of mass-reared organophosphate resistant *Amblyseius fallacis* (Garm.) predatory mites in Massachusetts commercial orchards. *Journal of Applied Entomology* 114: 131-137.
- Prokopy, R. J. and R. P. Webster. 1978. Oviposition-detering pheromone of *Rhagoletis pomonella*, a kairomone for its parasitoid *Opius lectus*. *Journal of Chemical Ecology* 4: 481-494.

- Pschorn-Walcher, H., 1963. Historisch-biogeographische Rückschlüsse aus Wirt-Parasiten-Assoziationen bei Insekten. [Historical-biogeographical conclusions from host-parasite associations in insects]. *Zeitschrift für Angewandte Entomologie* 51: 208-214.
- Pujol, M., E. Badosa, J. Cabrefiga, and E. Montesinos. 2005. Development of a strain-specific quantitative method for monitoring *Pseudomonas fluorescens* EPS62c, a novel biocontrol agent of fire blight. *FEMS Microbiology Letters* 249: 343-352.
- Purvis, G. and J. P. Curry. 1984. The influence of weeds and farmyard manure on the activity of carabidae and other ground-dwelling arthropods in a sugar beet crop. *Journal of Applied Ecology* 21: 271-283.
- Puttler, B., F. D. Parker, R. E. Pinnell, and S. E. Thewke. 1970. Introduction of *Apanteles rubecula* into the United States as a parasite of the imported cabbageworm. *Journal of Economic Entomology* 63: 304-305.
- Pyšek, P., D. M. Richardson, M. Rejmánek, G. L. Webster, M. Williamson, and J. Kirschner. 2004. Alien plants in checklists and floras: towards better communication between taxonomists and ecologists. *Taxon* 53: 131-143.
- Quezada J. R. and P. DeBach. 1973. Bioecological and population studies of the cottony-cushion scale, *Icerya purchasi* Mask. and its natural enemies *Rodolia cardinalis* Mul. and *Cryptochaetum iceryae* Will., in southern California. *Hilgardia* 41: 631-688.
- Qin, Q.-L, F.-H. Wang, and H. Gong. 1999. Actions on teratocytes in coordinating the relationship between a parasitoid and its host – an overview. *Acta Entomologica Sinica* 42: 431-438.
- Quicke, D. L. J. 1997. *Parasitic Wasps*. Chapman and Hall, London.
- Quinlan, R. J. 1990. Registration requirements and safety considerations for microbial pest control agents in the European 'economic community, pp. 11-18. In: Laird, M. L. A. Lace and E. W. Davidson (eds.). *Safety of Microbial Insecticides*. CRC Press, Inc. Boca Raton, Florida, USA.
- Raghu, S. and K. Dhileepan. 2005. The value of simulating herbivory in selecting effective weed biological control agents. *Biological Control* 34: 265-273.
- Rajendran, B. and A. M. Hanifa. 1998. Efficacy of different techniques for the release of *Trichogramma chilonis* Ishii, parasitising sugarcane internode borer, *Chilo sacchariphagus indicus* (Kapur). *Journal of Entomological Research* 22: 355-359.
- Ram, P., W. B. Tshernyshev, V. M. Afonina, and S. M. Greenberg. 1995. Studies on the strains of *Trichogramma evanescens* Westwood (Hymenoptera, Trichogrammatidae) collected from different hosts in Northern Moldova. *Journal of Applied Entomology* 119: 79-82.
- Ramalho, F. S., R. S. Medeiros, W. P. Lemos, P. A. Wanderley, J. M. Dias, and J. C. Zanuncia. 2000. Evaluation of *Catolaccus grandis* (Burks) (Hym., Pteromalidae) as a biological control agent against cotton boll weevil. *Journal of Applied Entomology* 124: 359-364.
- Rasmann, S., T. G. Köllner, J. Degenhardt, I. Hiltbold, S. Toepfer, U. Kuhlmann, J. Gershenzon, and T. C. J. Turlings. Recruitment of entomopathogenic nematodes by insect-damaged maize roots. *Nature* 434 (7034): 732-737.
- Rastall, K., V. Kondo, J. S. Strazanac, and L. Buttler. 2003. Lethal effects of biological insecticide applications on nontarget lepidopterans in two Appalachian forests. *Environmental Entomology* 32: 1364-1369.

- Ratcliffe, N. A. 1993. Cellular defense responses of insects: unresolved problems, pp. 267-304. *In: Beckage, N. E., S. N. Thompson, and B. A. Federici (eds.). Parasites and Pathogens of Insects, Volume I. Parasites.* Academic Press, New York.
- Rath, A. C., S. Pearn, and D. Worlidge. 1990. An economic analysis of production of *Metarhizium anisopliae* for control of the subterranean pasture pest *Adoryphorus couloni*, p. 13. *In: Pinnock, D. E. (ed.). Vth International Colloquium on Invertebrate Pathology and Microbial Control.* Adelaide, Australia, 20-24, August, 1990, Department of Entomology, University of Adelaide; Glen Osmond, South Australia.
- Rathman, R. J., M. W. Johnson, J. A. Rosenheim, and B. E. Tabashnik. 1990. Carbamate and pyrethroid resistance in the leafminer parasitoid *Diglyphus begini* (Hymenoptera: Eulophidae). *Journal of Economic Entomology* 83: 2153-2158.
- Raupp, M. J., M. R. Hardin, S. M. Braxton, and B. B. Bull. 1994. Augmentative releases for aphid control on landscape plants. *Journal of Arboriculture* 20: 241-249.
- Rayamajhi, M. B., M. F. Purcell, T. K. Van, T. D. Center, P. D. Pratt, and G. R. Buckingham. 2002. Australian paperbark tree (*Melaleuca*), pp. 117-130. *In: Van Driesche, R. G., B. Blossey, M. Hoddle, S. Lyon, and R. Reardon (eds.). Biological Control of Invasive Plants in the Eastern United States.* FHTET-2002-04, United States Department of Agriculture, Forest Service, Morgantown, West Virginia, USA.
- Read, D. C. 1962. Notes on the life history of *Aleochara bilineata* (Gyll.) (Coleoptera: Staphylinidae), and on its potential value as a control agent for the cabbage maggot, *Hylemya brassicae* (Bouché) (Diptera: Anthomyiidae). *The Canadian Entomologist* 94: 417-424.
- Rebek, E. J., C. S. Sadof, and L. M. Hanks. 2005. Manipulating the abundance of natural enemies in ornamental landscapes with floral resource plants. *Biological Control* 33: 203-216.
- Reddix, B., G. J. Hickling, G. L. Norbury, and C. M. Frampton. 2002. Effects of predation and rabbit haemorrhagic disease on population dynamics of rabbits (*Oryctolagus cuniculus*) in North Canterbury, New Zealand. *Wildlife Research* 29: 627-633.
- Reeve, J. D. and W. W. Murdoch. 1985. Aggregation by parasitoids in the successful control of the California red scale: a test of theory. *Journal of Animal Ecology* 54: 797-816.
- Reeve, J. D. , and W.W. Murdoch. 1986. Biological control by the parasitoid *Aphytis melinus*, and population stability of the California red scale. *Journal of Animal Science* 55: 1069-1082.
- Reimold, R. J. and M. H. Shealy, Jr. 1976. Chlorinated hydrocarbon pesticides and mercury in coastal young-of-the-year finfish, South Carolina and Georgia, 1972-74. *Pesticides Monitoring Journal* 9: 170-175.
- Rejmánek, M. and M. J. Pitcairn. 2002. When is eradication of exotic pest plants a realistic goal? pp. 249-253. *In: Veitch, C. R. and M. N. Cout (eds.). Turning the Tide: the Eradication of Invasive Species.* IUCN SSC Invasive Species Specialist Group. IUCN, Gland, Switzerland and Cambridge, United Kingdom. On line at <http://www.hear.org/articles/turningthetide/turningthetide.pdf>
- Relini, G., M. Relini, and G. Torchia. 1998. Fish biodiversity in a *Caulerpa taxifolia* meadow in the Ligurian Sea. *Italian Journal of Zoology* 65: 465-470.
- Remaudière, G. and S. Keller. 1980. Revision systematique des genres d'Entomophthoraceae a potentialite entomopathogene. *Mycotaxon* 11: 323-338 (in French).

- Renault, S., K. Stasiak, B. Federici, and Y. Bigot. 2005. Commensal and mutualistic relationships of reoviruses with their parasitoid wasp hosts. *Journal of Insect Physiology* 51: 137-148.
- Rhoades, D. F. and R. G. Cates. 1976. Toward a general theory of plant antiherbivore chemistry. *Recent Advances in Phytochemistry* 10: 168-213.
- Ricciardi, A., F. G. Whoriskey, and J. B. Rasmussen. 1996. Impact of the *Dreissena* invasion on native unionid bivalves in the upper St. Lawrence River. *Canadian Journal of Fisheries and Aquatic Science* 53: 1434-1444.
- Rice, M. E. and G. E. Wilde. 1988. Experimental evaluation of predators and parasitoids in suppressing greenbugs (Homoptera: Aphididae) in sorghum and wheat. *Environmental Entomology* 17: 836-841.
- Rice, R. E. and R. A. Jones. 1982. Collections of *Prospaltella perniciosi* Tower (Hymenoptera: Aphelinidae) on San Jose scale (Homoptera: Diaspididae) pheromone traps. *Environmental Entomology* 11: 876-880.
- Richards, O. W. and N. Waloff. 1954. Studies on the biology and population dynamics of British grasshoppers. *Anti-locust Bulletin*. No. 17.
- Richards, O. W., N. Waloff, and J. P. Spradberry. 1960. The measurement of mortality in an insect population in which recruitment and mortality widely overlap. *Oikos* 11: 306-310.
- Richardson, B. J., P. R. Baverstock, and M. Adams. 1986. *Allozyme Electrophoresis*. Academic Press, Orlando, Florida, USA.
- Richardson, D. M. 1998. Forestry trees as invasive aliens. *Conservation Biology* 12: 18-26.
- Richardson, D. M., I. A. W. Macdonald, P. M. Holmes, and R. M. Cowling. 1992. Plant and animal invasions, pp. 271-308. *In: Cowling, R. (ed.). The Ecology of Fynbos: Nutrients, Fire and Diversity*. Oxford University Press, Cape Town, South Africa.
- Riechert, S. E. and L. Bishop. 1990. Prey control by an assemblage of generalist predators: spiders in garden test systems. *Ecology* 71: 1441-1450.
- Riechert, S. E. and T. Lockley. 1984. Spiders as biological control agents. *Annual Review of Entomology* 29: 299-320.
- Rizke, R. M. and T. M. Rizki. 1990. Parasitoid virus-like particles destroy *Drosophila* cellular immunity. *Proceedings of the National Academy of Science of the United States of America* 87 (21): 8388-8392.
- Rizzo, D. M., and M. Garbelotto. 2003. Sudden oak death: endangering California and Oregon forest ecosystems. *Frontiers of Ecology and the Environment* 1(5): 197-204.
- Roberts, D. W. and S. P. Wraight. 1986. Current status on the use of insect pathogens as biological agents in agriculture: Fungi, pp. 510-513. *In: Samson, R. A., J. M. Vlak, and D. Peters (eds.). Fundamental and Applied Aspects of Invertebrate Pathology*. Proceedings of the 4th International Colloquium of Invertebrate Pathology, 18-22, August 1986. Ponsen and Looijen, Wageningen, The Netherlands.
- Robin, M. R. and W. C. Mitchell. 1987. Sticky traps for monitoring leafminers *Liriomyza sativae* and *Liriomyza trifolii* (Diptera: Agromyzidae) and their associated hymenopterous parasites in watermelon. *Journal of Economic Entomology* 80: 1345-1347.

- Robinson, A. J. and M. K. Holland. 1995. Testing the concept of virally vectored immunosterilization for the control of wild rabbit and fox populations in Australia. *Australian Veterinary Journal* 72: 65-68.
- Robinson, A. J., R. Jackson, P. Kerr, J. Merchant, I. Parer, and R. Pech. 1997. Progress towards using a recombinant myxoma virus as a vector for fertility control in rabbits. *Reproduction, Fertility and Development* 9: 77-83.
- Robinson, G. S. 1975. *Macrolepidoptera of Fiji and Rotuma*. Clacsey, Faringdon, United Kingdom, pp. 321-322.
- Robinson, M. T. and A. A. Hoffmann. 2002. The pest status and distribution of three cryptic blue oat mite species (*Penthaleus* spp.) and redlegged earth mites (*Halotydeus destructor*) in southeastern Australia. *Experimental and Applied Acarology* 25: 699-716.
- Robinson, T. and H. Westbury. 1996. The Australian and New Zealand calicivirus disease program, p. 5. *In*: Anon. ESVV Symposium on caliciviruses, abstracts of oral and poster presentations. European Society for Veterinary Virology. 1996, University of Reading, United Kingdom.
- Rodda, G. H., T. H. Fritts, and D. Chiszar. 1997. The disappearance of Guam's wildlife. *BioScience* 47: 565-574.
- Rodda, G. H., T. H. Fritts, M. J. McCoid, and E. W. Campbell. 1999. An overview of the biology of the brown treesnake (*Boiga irregularis*), a costly introduced pest on Pacific Islands, pp. 44-80. *In*: Rodda, G. H., Y. Sawai, D. Chiszar, and H. Tanaka (eds.). *Problem Snake Management: the Habu and the Brown Treesnake*. Comstock Publishing Co., Ithaca, New York, USA.
- Rodger, J. C. 1997. Likely targets for immunocontraception in marsupials. *Reproduction, Fertility and Development* 9: 131-136.
- Roduner, M., G. Cuperus, P. Mulder, J. Stritzke, and M. Payton. 2003. Successful biological control of the musk thistle in Oklahoma using the musk thistle head weevil and the rosette weevil. *American Entomologist* 49 (2): 112-120.
- Roehrdanz, R. L., D. K. Reed, and R. L. Burton. 1993. Use of polymerase chain reaction and arbitray primers to distinguish laboratory-raised colonies of parasitic Hymenoptera. *Biological Control* 3: 199-206.
- Rogers, C. E. 1985. Extrafloral nectar: entomological implications. *Bulletin of the Entomological Society of America* 31: 15-20.
- Rohani, P., H. C. J. Godfray, and M. P. Hassell. 1994. Aggregation and the dynamics of host-parasitoid systems: a discrete-generation model with within-generation redistribution. *The American Naturalist* 144: 491-509.
- Rojas, M. G., J. A. Morales-Ramos, and E. G. King. 1999. Response of *Catolaccus grandis* (Hymenoptera: Pteromalidae) to its natural host after ten generations on a factitious host, *Callosobruchus maculatus* (Coleoptera: Bruchidae). *Environmental Entomology* 28: 137-141.
- Roland, J. 1988. Decline in winter moth populations in North America: Direct versus indirect effect of introduced parasites. *Journal of Animal Ecology* 57: 523-531.
- Roland, J. 1994. After the decline: what maintains low winter moth density after successful biological control? *Journal of Animal Ecology* 63: 392-398.

- Roland, J. and D. G. Embree, D. G. 1995. Biological control of the winter moth. *Annual Review of Entomology* 40: 475-492.
- Roland, J., W. G. Evans, and J. H. Myers. 1989. Manipulation of oviposition patterns of the parasitoid *Cyzenis albicans* (Tachinidae) in the field using plant extracts. *Journal of Insect Behaviour* 2: 487-503.
- Room, P. M. 1980. Biological control of weeds – modest investments can give large returns, p. 291. In: Anon. *Proceedings of the Australian Agronomy Conference: Pathways to Productivity*, held in Grattton, Queensland, April, 1980. Australian Institute of Agricultural Science, Melbourne, Victoria, Australia.
- Room, P. M. 1990. Ecology of a simple plant-herbivore system: Biological control of salvinia. *Trends in Ecology and Evolution* 5(3): 74-79.
- Room, P. M. and P. A. Thomas. 1985. Nitrogen and establishment of a beetle for biological control of the floating weed salvia in Papua New Guinea. *Journal of Applied Ecology* 22: 139-156.
- Room, P. M., K. L. S. Harley, I. W. Forno, and D. P. A. Sands. 1981. Successful biological control of the floating weed salvinia. *Nature* 294 (5836): 78-80.
- Root, R. B. 1973. Organization of plant-arthropod association in simple and diverse habitats: the fauna of collards (*Brassica oleracea*). *Ecological Monographs* 43: 95-124.
- Roots, C. 1976. *Animal Invaders*. Universe Book, New York.
- Rose, K. E., S. M. Louda, and M. Rees. 2005. Demographic and evolutionary impacts of native and invasive herbivores on *Cirsium canescens*. *Ecology* 86: 453-465.
- Rose, M. 1990. Rearing and mass rearing of natural enemies, pp. 263-287. In: Rosen, D. (ed.). *Armored Scale Insects: Their Biology, Natural Enemies, and Control, Volume 4B*. Elsevier, Amsterdam, The Netherlands.
- Rose, M. and P. DeBach. 1992. Biocontrol of *Parabemisia myricae* (Kuwana) (Homoptera: Aleyrodidae) in California. *Israel Journal of Entomology* 25-26: 73-95.
- Rosen, D. and P. DeBach. 1979. *Species of Aphytis of the World (Hymenoptera: Aphelinidae)*. Israel Universities Press, Jerusalem, and Junk, The Hague, The Netherlands.
- Rosenheim, J. A. 1998. Higher-order predators and the regulation of insect herbivore populations. *Annual Review of Entomology* 43: 421-447.
- Rosenheim, J. A. 2005. Intraguild predation of *Orius tristicolor* by *Geocoris* spp. and the paradox of irruptive spider mite dynamics in California cotton. *Biological Control* 32: 172-179.
- Rosenheim, J. A. and M. A. Hoy. 1986. Intraspecific variation in levels of pesticide resistance in field populations of a parasitoid, *Aphytis melinus* (Hymenoptera: Aphelinidae): the role of past selection pressures. *Journal of Economic Entomology* 79: 1161-1173.
- Rosenheim, J. A. and D. Rosen. 1991. Foraging and oviposition decisions in the parasitoid *Aphytis lingnanensis*: distinguishing the influences of egg load and experience. *Journal of Animal Ecology* 60: 873-893.
- Rosenheim, J. A., H. K. Kaya, L. E. Ehler, J. J. Marois, and B. A. Jaffee. 1995. Intraguild predation among biological-control agents: theory and evidence. *Biological Control* 5: 303-335.

- Rosenheim, J. A., D. D. Limburg, R. G. Colfer, D. K. Letourneau, and D. A. Andow. 1999. Impact of generalist predators on a biological control agent, *Chrysoperla carnea*: direct observations. *Ecological Applications* 9: 409-417.
- Ross, D. J., C. R. Johnson, and C. L. Hewitt. 2003. Assessing the ecological impacts of an introduced seastar: the importance of multiple methods. *Biological Invasions* 5: 3-21.
- Rothschild, G. 1966. A study of a natural population of *Conomelus anceps* Germar (Homoptera: Delphacidae), including observation on predation using the precipitin test. *Journal of Animal Ecology* 35: 413-434.
- Roush, R. T. 1990a. Genetic variation in natural enemies: critical issues for colonization in biological control, pp. 263-288. In: Mackauer, M., L. E. Ehler, and J. Roland (eds.). *Critical Issues in Biological Control*. Intercept, Andover, Hants, United Kingdom.
- Roush, R. T. 1990b. Genetic considerations in the propagation of entomophagous species, pp. 373-387. In: Baker, R. R. and P. E. Dunn (eds.). *New Directions in Biological Control: Alternatives for Suppressing Agricultural Pests and Disease*. Alan R. Liss, Inc., New York.
- Roush, R. T. and M. A. Hoy. 1981. Genetic improvement of *Metaseiulus occidentalis*: selection with methomyl, dimethoate, and carbaryl and genetic analysis of carbaryl resistance. *Journal of Economic Entomology* 74: 138-141.
- Royama, T. 1981. Evaluation of mortality factors in insect life table analysis. *Ecological Monographs* 5: 495-505.
- Royama, T. 1984. Population dynamics of the spruce budworm *Choristoneura fumiferana*. *Ecological Monographs* 54: 429-462.
- Royama, T. 1992. *Analytic Population Dynamics*. Chapman and Hall, London.
- Rudzki, S. 1995. Escaped rabbit calicivirus highlights Australia's chequered history of biological control. *Search* 26: 287.
- Ruesink, W. G. 1975. Estimating time-varying survival of arthropod life stages from population density. *Ecology* 56: 244-247.
- Ruíz, C. E. 1999. Control biológico de cactus. *Revista de la UAT (México)* 63: 19-22.
- Ruíz, C. E., J. MA. Coronado B. y S. N. Myartseva. 2005. Plagas de cítricos y sus enemigos naturales en el Estado de Tamaulipas, México. *Entomología mexicana* 4: 931-936.
- Ruíz, C. E. y J. M. Coronado B. 2006. Importancia de los parasitoides nativos en el control natural del minador de la hoja de los cítricos *Phyllocnistis citrella* Stainton (Lepidoptera: Gracillariidae). Revisión. *Biotam* 14: 57-72.
- Russell, E. P. 1989. Enemies hypothesis: a review of the effect of vegetational diversity on predatory insects and parasitoids. *Environmental Entomology* 18: 590-599.
- Rutz, D. A. 1986. Parasitoid monitoring and impact evaluation in the development of filth fly biological control programs for poultry farms. *Miscellaneous Publications of the Entomological Society of America* 61: 45-51.
- Rutz, D. A. and R. C. Axtell. 1979. Sustained releases of *Muscidifurax raptor* (Hymenoptera: Pteromalidae) for house fly (*Musca domestica*) control in two types of caged-layer poultry houses. *Environmental Entomology* 8: 1105-1110.

- Rutz, D. A. and R. C. Axtell. 1980. House fly (*Musca domestica*) parasites (Hymenoptera: Pteromalidae) associated with poultry manure in North Carolina. *Environmental Entomology* 9: 175-180.
- Rutz, D. A. and R. C. Axtell. 1981. House fly (*Musca domestica*) control in broiler-breeder poultry houses by pupal parasites (Hymenoptera: Pteromalidae): indigenous parasite species and releases of *Muscidifurax raptor*. *Environmental Entomology* 10: 343-345.
- Rutz, D. A. and R. S. Patterson (eds.). 1990. *Biocontrol of Arthropods Affecting Livestock Poultry*. Westview Press, Boulder, Colorado, USA.
- Ryan, J., M. F. Ryan, and F. McNaedhe. 1980. The effect of interrow plant cover on populations of the cabbage root fly *Delia brassicae* (Wied.). *Journal of Applied Ecology* 17: 31-40.
- Ryoo, M. I. 1996. Influence of the spatial distribution pattern of prey among patches and spatial coincidence on the functional and numerical response of *Phytoseiulus persimilis* (Acarina, Phytoseiidae). *Journal of Applied Entomology* 120: 187-192.
- Sabelis, M. W. and H. E. Van de Baan. 1983. Location of distant spider mite colonies by phytoseiid predators: demonstration of specific kairomones emitted by *Tetranychus urticae* and *Panonychus ulmi*. *Entomologia Experimentalis et Applicata* 33: 303-314.
- Sabelis, M. W. 1992. Predatory arthropods, pp. 225-264. In: Crawley, M. J. (ed.) *Natural Enemies: The Population Biology of Predators, Parasites and Diseases*. Blackwell Science, Oxford, United Kingdom.
- Sagarra, L. A., C. Vincent, and R. K. Stewart. 2001. Suitability of nine mealybug species (Homoptera: Pseudococcidae) as hosts for the parasitoid *Anagyrus kamali* (Hymenoptera: Encyrtidae). *Florida Entomologist* 84: 112-116.
- Sailer, R. 1978. Our immigrant insect fauna. *Bulletin of Entomological Society of America* 24: 3-11.
- Sailer, R. I. 1983. History of insect introductions, pp. 15-38. In: Wilson, G. L. and C. L. Graham (eds.). *Exotic Plant Pests and North American Agriculture*. Academic Press, New York.
- Saiyed, H., A. Dewan, V. Bhatnager, U. Shenoy, R. Shenoy, H. Rajmohan, K. Patel, R. Kashyap, P. Kulkarni, B. Rajan, and B. Lakkad. 2003. Effect of endosulfan on male reproductive development. *Environmental Health Perspectives* 111: 1958-1962.
- Salas, J. and J. H. Frank. 2001. Development of *Metamasius callizona* (Coleoptera: Curculionidae) on pineapple stems. *Florida Entomologist* 84: 123-126.
- Samuels, K. D. Z., D. E. Pinnock, and R. M. Bull. 1990. Scarabaeid larvae control in sugarcane using *Metarhizium anisopliae*. *Journal of Invertebrate Pathology* 55: 135-137.
- Samways, M. J. 1988. Comparative monitoring of red scale, *Aonidiella aurantii* (Mask.) (Hom., Diaspididae) and its *Aphytis* spp. (Hym., Aphelinidae) parasitoids. *Journal of Applied Entomology* 105: 483-489.
- Samways, M. J. 1990. Ant assemblage structure and ecological management in citrus and subtropical fruit orchards in southern Africa, pp. 570-587. In: van der Meer, R. K., K. Jaffe, and A. Cedeno (eds.). *Applied Myrmecology, a World Perspective*. Westview Press, Boulder, Colorado (US).
- Samways, M. J., M. Nel, and A. J. Prins. 1982. Ants (Hymenoptera: Formicidae) foraging in citrus trees and attending honeydew producing Homoptera. *Phytophylactica* 14: 155-157.

- Sands, D. P. A. 1997. The safety of biological control agents: assessing their impact on beneficial and other non-target hosts. *Memoires of the Museum of Victoria* 56: 611-616.
- Sands, D. P. A. and M. Coombs. 1999. Evaluation of the Argentinian parasitoid, *Trichopoda giacomellii* (Diptera: Tachinidae), for biological control of *Nezara viridula* (Hemiptera: Pentatomidae) in Australia. *Biological Control* 15: 19-24.
- Sato, S., H. Yasuda, and E. W. Evans. 2005. Dropping behavior of larvae of aphidophagous ladybirds and its effects on incidence of intraguild predation: interactions between the intraguild prey, *Adalia bipunctata* (L.) and *Coccinella septempunctata* (L.), and the intraguild predator, *Harmonia axyridis* Pallas. *Ecological Entomology* 30: 220-224.
- Saunders, G. R. and J. R. Giles. 1977. A relationship between plagues of the house mouse *Mus musculus* (Rodentia: Muridae) and prolonged periods of dry weather in south-eastern Australia. *Australian Journal of Wildlife Research* 4: 241-247.
- Saunders, G., B. Kay, G. Mutze, and D. Choquenot. 2002. Observations on the impacts of rabbit haemorrhagic disease on agricultural production values in Australia. *Wildlife Research* 29: 605-613.
- Saunders, G., M. Berghout, M. Kay, B. Triggs, R. Van de Ven, and R. Winstanley. 2004. The diet of foxes (*Vulpes vulpes*) in southeastern Australia and the potential effects of rabbit haemorrhagic disease. *Wildlife Research* 31: 13-18.
- Schaefer, P. W., R. J. Dysart, R. V. Flanders, T. L. Burger, and K. Ikebe. 1983. Mexican bean beetle (Coleoptera: Coccinellidae) larval parasite *Pediobius foveolatus* (Hymenoptera: Eulophidae) from Japan: field release in the United States. *Environmental Entomology* 12: 852-854.
- Schaefer, P. W., R. J. Dysart, and H. B. Specht. 1987. North American distribution of *Coccinella septempunctata* (Coleoptera: Coccinellidae) and its mass appearance in coastal Delaware. *Environmental Entomology* 16: 368-373.
- Schaffelke, B., N. Murphy, and S. Uthicke. 2002. Using genetic techniques to investigate the sources of the invasive alga *Caulerpa taxifolia* in three new locations in Australia. *Marine Pollution Bulletin* 44: 204-210.
- Schaffner, U. and C. Muller. 2001. Exploitation of the fecal shield of the lily leaf beetle, *Lilioceris lili* (Coleoptera: Chrysomelidae), by the specialist parasitoid *Lemophagus pulcher* (Hymenoptera: Ichneumonidae). *Journal of Insect Behavior* 14: 739-757.
- Schat, M. and B. Blossey. 2005. Influence of natural and simulated leaf beetle herbivory on biomass allocation and plant architecture of purple loosestrife (*Lythrum salicaria* L.) *Environmental Entomology* 34: 906-914.
- Scheffer, S. J. and E. E. Grissell. 2003. Tracing the geographic origin of *Megastigmus transvaalensis* (Hymenoptera: Torymidae): an African wasp feeding on a South American plant in North America. *Molecular Ecology* 12: 415-421.
- Scheffer, S. J., R. M. Giblin-Davis, G. S. Taylor, K. A. Davies, M. Purcell, M. L. Lewis, J. Goolsby, and T. D. Center. 2004. Phylogenetic relationships, species limits, and host specificity of gall-forming *Fergusonina* flies (Diptera: Fergusoninidae) feeding on *Melaleuca* (Myrtaceae). *Annals of the Entomological Society of America* 97: 1216-1221.
- Scheffer, S. J., M. L. Lewis, and R. C. Joshi. 2006. DNA barcoding applied to invasive leafminers (Diptera: Agromyzidae) in the Philippines. *Annals of the Entomological Society of America* 99: 204-210.

- Schellhorn, N. A., C. P. Lane, and D. M. Olson, 2005. The co-occurrence of an introduced biological control agent (Coleoptera: *Coccinella septempunctata*) and an endangered butterfly (Lepidoptera: *Lycaeides melissa samuelis*). *Journal of Insect Conservation* 9: 41-47.
- Schettler, T, G. Soloman, and M. Valenti. 1999. *Generations at Risk, Reproductive Health and the Environment*. MIT Press, Cambridge Massachusetts, USA.
- Schloesser, D. W. 1995. Introduced species, zebra mussels in North America, pp. 337-356. In: Anon. *Encyclopedia of Environmental Biology, Volume 2*. Academic Press, San Diego, California, USA.
- Schlotterer, C. 2000. Evolutionary dynamics of microsatellite DNA. *Chromosoma* 109: 365-371.
- Schmidt, J. M., R. T. Cardé, and L. E. M. Vet. 1993. Host recognition by *Pimpla instigator* F. (Hymenoptera: Ichneumonidae): Preferences and learned responses. *Journal of Insect Behavior* 6: 1-11.
- Schmidt, J. M. and J. J. B. Smith. 1986. Correlations between body angles and substrate curvature in the parasitoid wasp *Trichogramma minutum*: a possible mechanism of host radius measurement. *Journal of Experimental Biology* 125: 271-285.
- Schmidt, J. M. and J. J. B. Smith. 1987. Measurement of host curvature by the parasitoid wasp *Trichogramma minutum*, and its effect on host examination and progeny allocation. *Journal of Experimental Biology* 129: 151-164.
- Schmidt, S., I. D. Naumann, and P. J. De Barro. 2001. *Encarsia* species (Hymenoptera: Aphelinidae) of Australia and the Pacific Islands attacking *Bemisia tabaci* and *Trialeurodes vaporariorum* (Hemiptera: Aleyrodidae): A pictorial key and descriptions of four new species. *Bulletin of Entomological Research* 91: 369-387.
- Schneider, H., C. Borgemeister, M. Sétamou, H. Affognon, A. Bell, M. E. Zweigert, H-M. Poehling, and F. Schulthess. 2004. Biological control of the larger grain borer, *Prostephanus truncatus* (Horn) (Coleoptera: Bostrichidae) by its predator *Teretrius nigrescens* (Lewis) (Coleoptera: Histeridae) in Togo and Benin. *Biological Control* 30: 241-255.
- Schnepf, H. E. and H. R. Whiteley. 1981. Cloning and expression of the *Bacillus thuringiensis* crystal protein gene in *Escherichia coli*. *Proceedings of the National Academy of Science of the United States of America* 78: 2893-2897.
- Schnepf, E., N. Crickmore, J. Van Rie, D. Lereclus, J. Baum, and J. Feitelson. 1998. *Bacillus thuringiensis* and its pesticidal proteins. *Microbiology and Molecular Biology Reviews* 62: 775-806.
- Schoen, L. 2000. The use of open rearing units or “banker plants” against *Aphis gossypii* Glover in protected courgette and melon crops in Roussillon (south of France). *Bulletin OILB/SROP* 23 (1): 181-186.
- Scholz, D. and C. Höller. 1992. Competition for hosts between hyperparasitoids of aphids, *Dendrocerus laticeps* and *Dendrocerus carpenteri* (Hymenoptera: Megaspilidae): the benefit of interspecific host discrimination. *Journal of Insect Behavior* 5: 289-300.
- Schonbeck, H. 1988. Biological control of aphids on wild cherry. *Allgemeine Forstzeitschrift* 34: 944.

- Schoonhoven, L. M. 1962. Diapause and the physiology of host-parasite synchronization in *Bupalus pinarius* L. (Geometridae) and *Eucarcelia rutilla* Vill. (Tachinidae). *Archives Neerlandais de Zoologie* 15: 111-173.
- Schroeder, D. 1985. The search for effective biological control agents in Europe. 1. Diffuse and spotted knapweed, pp. 103-109. In: Delfosse, E. S. (ed.). *Proceedings of the VI International Symposium on Biological Control of Weeds*, 19-24 Aug. 1984, University of British Columbia, Vancouver, Canada. Agriculture Canada, Ottawa, Canada
- Schroeder, D. and R. D. Goeden. 1986. The search for arthropod natural enemies of introduced weeds for biological control – in theory and practice. *Biocontrol News and Information* 7: 147-155.
- Schroer, S., D. Sulistyanto, and R.-U. Ehler. 2005. Control of *Plutella xylostella* using polymer-formulated *Steinernema carpocapsae* and *Bacillus thuringiensis* in cabbage fields. *JEN* 129: 198-204.
- Schweizer, H., J. G. Morse, R. F. Luck and L. D. Forster. 2002. Augmentative releases of a parasitoid (*Metaphycus* sp. nr. *flavus*) against citricola scale (*Coccus pseudomagnoliarum*) on oranges in the San Joaquin Valley of California. *Biological Control* 24: 153-166.
- Schweizer, H., J. G. Morse, and R. F. Luck. 2003a. Evaluation of *Metaphycus* spp. for suppression of black scale (Homoptera: Coccidae) on southern California citrus. *Environmental Entomology* 32: 377-386.
- Schweizer, H., R. F. Luck, and G. Morse. 2003b. Augmentative releases of *Metaphycus* sp. nr. *flavus* against citricola scale on oranges in the San Joaquin Valley of California: are early releases better than late ones? *Journal of Economic Entomology* 96: 1375-1387.
- Scott, J. G., D. A. Rutz, and J. Walcott. 1988. Comparative toxicity of seven insecticides to adult *Spalangia cameroni* Perkins. *Journal of Agricultural Entomology* 5: 139-145.
- Scott, J. G., C. J. Geden, D. A. Rutz, and N. Liu. 1991. Comparative toxicity of seven insecticides to immature stages of *Musca domestica* (Diptera: Muscidae) and two of its important biological control agents, *Muscidifurax raptor* and *Spalangia cameroni* (Hymenoptera: Pteromalidae). *Journal of Economic Entomology* 84: 776-779.
- Scott, J. K. 1992. Biology and climatic requirements of *Perapion antiquum* (Coleoptera: Apiionidae) in southern Africa: implications for the biological control of *Emex* spp. in Australia. *Bulletin of Entomological Research* 82: 399-406.
- Scott, J. K. and P. B. Yeoh. 1998. Host range of *Brachycaudus rumexicolens* (Patch), an aphid associated with the Polygonaceae. *Biological Control* 13: 135-142.
- Scott, M. E. 1987. Regulation of mouse colony abundance by *Heligmosomoides polygyrus*. *Parasitology* 95: 111-124.
- Scott, M. E. and A. Dobson. 1989. The role of parasites in regulating host abundance. *Parasitology Today* 5: 176-183.
- Sears, M. K., R. L. Helmich, D. E. Stanley-Horn, K. S. Oberhauser, J. M. Pleasants, H. R. Mattila, S. D. Siegfried, and G. P. Dively. 2001. Impact of Bt corn pollen on monarch butterfly populations: a risk assessment. *Proceedings of the National Academy of Science of the United States* 98: 11937-11942.

- Secord, D. 2003. Biological control of marine invasive species: cautionary tales and land-based lessons. *Biological Invasions* 5: 117-131.
- Seehausen, O., F. Witte, E. F. Katunzi, J. Smits, and N. Bouton. 1997. Patterns of the remnant cichlid fauna in southern Lake Victoria. *Conservation Biology* 11: 890-904.
- Seife, C. 1996. A harebrained scheme. *Scientific American* 274: 24-26.
- Seixas, C. D. S., R. W. Barreto, L. G. Freitas, L. a. Maffia, and F. T. Monteiro. 2004. *Ditylenchus drepanocercus* (Nematoda), a potential biological control agent for *Miconia calvescens* (Melastomataceae): host-specificity and epidemiology. *Biological Control* 31: 29-37.
- Selkoe, K. A. and R. J. Toonen. 2006. Microsatellites for ecologists: A practical guide to using and evaluating microsatellite markers. *Ecology Letters* 9: 615-629.
- Sengonca, C. and B. Frings. 1989. Enhancement of the green lacewing *Chrysoperla carnea* (Stephens), by providing artificial facilities for hibernation. *Turkiye Entomoloji Dergisi* 13 (4): 245-250.
- Sengonca C., I. A. Khan, and P. Blaeser. 2004. The predatory mite *Typhlodromus pyri* (Acari: Phytoseiidae) causes feeding scars on leaves and fruit of apple. *Experimental and Applied Acarology* 33: 45-53.
- Shadduck, J. A., S. Singer, and S. Lause. 1980. Lack of mammalian pathogenicity of entomocidal isolates of *Bacillus sphaericus*. *Environmental Entomology* 9: 403-407.
- Shah, M. A. 1982. The influence of plant surfaces on the searching behavior of coccinellid larvae. *Entomologia Experimentalis et Applicata* 31: 377-380.
- Shamin, M., M. Baig, R. K. Datta, and S. K. Gupta. 1994. Development of a monoclonal antibody-based sandwich ELISA for the detection of nuclear polyhedra of nuclear polyhedrosis virus infection in *Bombyx mori* L. *Journal of Invertebrate Pathology* 63: 151-156.
- Shapiro, M. and J. L. Robertson. 1990. Laboratory evaluation of dyes as ultraviolet screens for the gypsy moth (Lepidoptera: Lymantriidae) nuclear polyhedrosis virus. *Journal of Economic Entomology* 83: 168-172.
- Shapiro, M. and J. L. Robertson. 1992. Enhancement of gypsy moth (Lepidoptera: Lymantriidae) baculovirus activity by optical brighteners. *Journal of Economic Entomology* 85: 1120-1224.
- Shapiro-Ilan, D. I., R. J. Stuart, and C. W. McCoy. 2005. Targeted improvement of *Steinernema carpocapsae* for control of the pecan weevil, *Curculio caryae* (Horn) (Coleoptera: Curculionidae), through hybridization and bacterial transfer. *Biological Control* 34: 215-221.
- Shapiro-Ilan, D. I., D. H. Gouge, S. J. Piggott, and J. P. Fife. 2006. Application technology and environmental considerations for use of entomopathogenic nematodes in biological control. *Biological Control* 38: 124-133.
- Sharov, A. A and J. J. Colbert. 1994. Gypsy Moth Life System Model. Integration of knowledge and a user's guide. Virginia Polytechnic Institute and State Univ., Blacksburg, Virginia, USA.
- Sharov, A. A. 1996. Modeling insect dynamics., pp. 293-303. In: Korpilahti, E., H. Mikkela, and T. Salonen (eds.) *Caring for the Forest: Research in a Changing World*. Congress Report, Vol. II., IUFRO XXth World Congress, 6-12 August 1995, Tampere, Finland. Gummerus Printing, Jyväskylä, Finland.

- Shaw, M. and T. Huddleston. 1991. *Classification and Biology of Braconid Wasps (Hymenoptera: Braconidae)*. *Handbooks for the Identification of British Insects* 7(11): 1-126.
- Shaw, S. R. 1988. Euphorine phylogeny: the evolution of diversity in host-utilization by parasitoid wasps (Hymenoptera: Braconidae). *Ecological Entomology* 13: 323-335.
- Shea, K. and P. Chesson. 2002. Community ecology as a framework for biological invasions. *Trends in Ecology and Evolution* 17: 170-176.
- Shea, K. and D. Kelly. 1998. Estimating biocontrol agent impact with matrix models: *Carduus nutans* in New Zealand. *Ecological Applications* 8: 824-832.
- Shea, K., H. P. Possingham, W. W. Murdoch, and R. Roush. 2002. Active adaptive management in insect pest and weed control: Intervention with a plan for learning. *Ecological Applications* 12: 927-936.
- Shea, K., D. Kelly, A. W. Sheppard., and T. L. Woodburn. 2005. Context-dependent biological control of an invasive thistle. *Ecology* 86: 3174-3181.
- Shea, K., A. Sheppard, and T. Woodburn. 2006. Seasonal life-history models for the integrated management of the invasive weed nodding thistle *Carduus nutans* in Australia. *Journal of Applied Ecology* 43: 517-526.
- Sheehan, K. A. 1989. Models for the population dynamics of *Lymantria dispar*, pp. 533-547. In: Wallner, W. E., K. A. McManus (eds.). *Proceedings, Lymantriidae: a Comparison of Features of New and Old World Tussock Moths*. June 26 - July 1; 1986. Newhaven Connecticut. USDA Forest Service General Technical Report NE-123.
- Sheehan, W. 1986. Response by specialist and generalist natural enemies to agroecosystem diversification: a selective review. *Environmental Entomology* 15: 456-461.
- Sheehan, W. and A. M. Shelton. 1989. Parasitoid response to concentration of herbivore food plants: finding and leaving plants. *Ecology* 70: 993-998.
- Sheehan, W., F. L. Wäckers, and W. J. Lewis. 1993. Discrimination of previously searched, host-free sites by *Microplitis croceipes* (Hymenoptera: Braconidae). *Journal of Insect Behavior* 6: 323-331.
- Sheldon, S. P., and R. P. Creed. 1995. Use of a native insect as a biological control for an introduced weed. *Ecological Applications* 5: 1122-1132.
- Shellam, G. R. 1994. The potential of murine cytomegalovirus as a viral vector for immunoneutralization. *Reproduction, Fertility and Reproduction* 6: 401-409.
- Shelton, A. M., J.-Z. Zhao, and R. T. Roush. 2002. Economic, ecological, food safety, and social consequences of the deployment of Bt transgenic plants. *Annual Review of Entomology* 47: 845-881. Society for Biocontrol Advancement, Bangalore, India.
- Shenhmar, M. and K. S. Brar. 1996. Evaluation of *Trichogramma chilonis* Ishii (Hymenoptera: Trichogrammatidae) for the control of *Chilo auricilius* Dudgeon on sugarcane. *Indian Journal of Plant Protection* 24 (1/2): 47-49.
- Shenhmar, M., K. S. Brar, D. R. C. Bakheta, and J. Singh. 1998. Tricho-capsules: a new technique for release of the egg parasitoids—trichogrammatids. *Insect Environment* 4 (3): 95.
- Shenhmar, M., J. Singh, S. P. Singh, K. S. Brar, and D. Singh. 2003. Effectiveness of *Trichogramma chilonis* Ishii for the management of *Chilo auricilius* Dudgeon on sugarcane in dif-

- ferent sugar mill areas of the Punjab, pp. 333-335. *In: Anon. Proceedings of the Symposium of Biological Control of Lepidopteran Pests*, July 17-18, 2002, Bangalore, India.
- Shenk, T. M., G. C. White, and K. P. Burnham. 1998. Sampling-variance effects on detecting density dependence from temporal trends in natural populations. *Ecological Monographs* 68: 445-464.
- Shepard, M. H. R. Rapusas, and D. B. Estano. 1989. Using rice straw bundles to conserve beneficial arthropod communities in ricefields. *International Rice Research News* 14 (5): 30-31.
- Sheppard, A. W. 1999. Which test? A mini review of test usage in host specificity testing, pp. 60-69. *In: Withers, T. M., L. Barton Browne and J. Stanley (eds.). Host Specificity Testing in Australasia: Towards Improved Assays for Biological Control*. Department of Natural Resources, Indooroopilly, Queensland, Australia.
- Sheppard, A. W., J.-P. Aeschlimann, J.-L. Sagliocco, and J. Vitou. 1991. Natural enemies and population stability of the winter-annual *Carduus pycnocephalus* L. in Mediterranean Europe. *Acta Oecologia* 12: 707-726.
- Sheppard, A. W., R. D. van Klinken, and T. A. Heard. 2005. Scientific advances in the analysis of direct risks of weed biological control agents to nontarget plants. *Biological Control* 35: 215-226.
- Shetlar, D. J., P. E. Suleman, and R. Georgis. 1988. Irrigation and use of entomogenous nematodes, *Neoapectana* spp. and *Heterorhabditis heliothidis* (Rhabditida: Steinernematidae and Heterorhabditidae) for control of Japanese beetle (Coleoptera: Scarabaeidae) grubs in turf-grass. *Journal of Economic Entomology* 81: 1318-1322.
- Shililu, J. I., G. M. Tewolde, E. Brantly, J. I. Githure, C. M. Mbogo, J. C. Beier, R. Fusco, and R. J. Novak. 2003. Efficacy of *Bacillus thuringiensis*, *Bacillus sphaericus* and temephos for managing *Anopheles* larvae in Eritrea. *Journal of the American Mosquito Control Association* 19 (3): 251-258.
- Shimoda, T., J. Takabayashi, W. Ashihara, and A. Takafuji. 1997. Response of a predatory insect, *Scolothrips takahashii* toward herbivore-induced plants volatiles under laboratory and field conditions. *Journal of Chemical Ecology* 23: 2033-2048.
- Shimoda, T., R. Ozawa, K. Sano, E. Yano, and J. Takabayashi. 2005. The involvement of volatile infochemicals from spider mites and from food-plants in prey location of the generalist predatory mite *Neoseiulus californicus*. *Journal of Chemical Ecology* 31: 2019-2032.
- Shipp, J. L. and P. M. J. Ramakers. 2004. Biological control of thrips on vegetable crops, pp. 265-276. *In: Heinz, K. M., R. G. Van Driesche, and M. P. Parrella (eds.). Biocontrol in Protected Culture*. Ball Publishing, Inc., Batavia, Illinois, USA.
- Shipp, J. L. and K. Wang. 2006. Evaluation of *Dicyphus hesperus* (Heteroptera: Miridae) for biological control of *Frankliniella occidentalis* (Thysanoptera: Thripidae) on greenhouse tomato. *Journal of Economic Entomology* 99: 414-420.
- Shipp, J. L., K. I. Ward, and T. J. Gillespie. 1996. Influence of temperature and vapor pressure deficit on the rate of predation by the predatory mite, *Amblyseius cucumeris*, on *Frankliniella occidentalis*. *Entomologia Experimentalis et Applicata* 78: 31-38.
- Shivik, J. A., P. J. Savarie, and L. Clark. 2002. Aerial delivery of baits to brown treesnakes. *Wild-life Society Bulletin* 30: 1062-1067.

- Shonouda, M. L., S. Bombosch, A. M. Shalaby, and S. I. Osman. 1998. Biological and chemical characterization of a kairomone excreted by the bean aphid, *Aphis fabae* Scop. (Hom., Aphididae) and its effect on the predator *Metasyrphus corollae* Fabr. I. Isolation, identification, and bioassay of aphid kairomone. *Journal of Applied Entomology* 122: 15-23.
- Shrewsbury, P. M. and D. C. Smith-Fiola. 2000. Evaluation of green lacewings for suppressing azalea lace bug populations in nurseries. *Journal of Environmental Horticulture* 18: 207-211.
- Shulman, S. 1995. Immunological reactions and infertility, pp. 53-78. In: Kurpisz, M. and N. Fernandez (eds.). *Immunology of Human Reproduction*. BIOD Scientific Publishers, Oxford, United Kingdom. 509 pp.
- Siegel, J. P. and J. A. Shaddock, 1990a. Clearance of *Bacillus sphaericus* and *Bacillus thuringiensis* ssp. *israelensis* from mammals. *Journal of Economic Entomology* 83: 347-355.
- Siegel, J. P. and J. A. Shaddock, 1990b. Mammalian safety of *Bacillus sphaericus*, pp.321-331. In: de Barjac, H. and D. J. Sutherland (eds.). *Bacterial Control of Mosquitoes and Black Flies: Biochemistry, Genetics, and Application of Bacillus thuringiensis israelensis and Bacillus sphaericus*. Rutgers University Press, New Brunswick, New Jersey, USA.
- Siegel, J. P. and J. A. Shaddock, 1990c. Mammalian safety of *Bacillus thuringiensis israelensis*, pp. 202-217. In: Barjac, H. and D. J. Sutherland (eds.). *Bacterial Control of Mosquitoes and Black Flies: Biochemistry, Genetics, and Application of Bacillus thuringiensis israelensis and Bacillus sphaericus*. Rutgers University Press, New Brunswick, New Jersey, USA.
- Siegel, J. P. and J. A. Shaddock, 1992. Testing the effects of microbial pest control agents on mammals, pp. 745-759. In: Levin, M. A., R. J. Seidler, and M. Rogul (eds.). *Microbial Ecology: Principles, Methods, and Applications*. McGraw-Hill, New York.
- Siemann, E. and W. E. Rogers. 2001. Genetic differences in growth of an invasive tree species. *Ecology Letters* 4: 514-518.
- Silva, I. M. M. S., J. Honda, F. van Kan, J. Hu, L. Neto, B. Pintureau, and R. Stouthamer. 1999. Molecular differentiation of five *Trichogramma* species occurring in Portugal. *Biological Control* 16: 177-184.
- Simberloff, D. and L. Gibbons. 2004. Now you see them, now you don't! – Population crashes of established introduced species. *Biological Invasions* 6: 161-172.
- Simberloff, D. and P. Stiling. 1996. Risks of species introduced for biological control. *Biological Conservation* 78: 185-192.
- Simberloff, D. and B. Von Holle. 1999. Positive interactions of nonindigenous species: invasional meltdown? *Biological Invasions* 1: 21:32.
- Simberloff, D., D. C. Schmitz, and T. C. Brown (eds.). 1997. *Strangers in Paradise*. Island Press, Washington, D.C.
- Sime, K. 2002. Chemical defense of *Battus philenor* larvae against attack by the parasitoid *Trogus pennator*. *Ecological Entomology* 27: 337-345.
- Simmonds, F. J. and F. D. Bennett. 1966. Biological control of *Opuntia* spp. by *Cactoblastis cactorum* in the Leeward Islands (West Indies). *Entomophaga* 11: 183-189.

- Simmons, A. T. and G. M. Gurr. 2004. Trichome-based host plant resistance of *Lycopersicon* species and the biocontrol agent *Mallada signata*: are they compatible? *Entomologia Experimentalis et Applicata* 113: 95-101.
- Simmons, A. T. and G. M. Gurr. 2005. Trichomes of *Lycopersicon* species and their hybrids: effects on pests and natural enemies. *Agricultural and Forest Entomology* 7: 265-276.
- Simmons, E. G. 1998. *Alternaria* themes and variations(224-225). *Mycotaxon* 68: 417-427.
- Simon, C., F. Frati, A. Beckenbach, B. Crespi, H. Liu, and P. Flook. 1994. Evolution, weighting, and phylogenetic utility of mitochondrial gene sequences and a compilation of conserved polymerase chain reaction primers. *Annals of the Entomological Society of America* 87: 651-701.
- Sinclair, A. R.E 1996. Mammal populations: fluctuation, regulation, life history theory and their implications for conservation, pp. 127-154. *In*: Floyd, R. B., A. W. Sheppard, and P. J. De Barro (eds.). *Frontiers of Population Ecology*. CSIRO Publishing, Collingwood, Australia. 639 pp.
- Singer, S. 1987. Current status of the microbial larvicide *Bacillus sphaericus*, pp. 133-163. *In*: Maramorosch, K. (ed.). *Biotechnology in Invertebrate Pathology and Cell Culture*. Academic Press, New York.
- Singer, S. 1990. Introduction to the study of *Bacillus sphaericus* as a mosquito control agent, pp. 221-227. *In*: de Barjac, H. and D. J. Sutherland (eds.). *Bacterial Control of Mosquitoes and Blackflies: Biochemistry, Genetics, and Applications of Bacillus thuringiensis and Bacillus sphaericus*. Rutgers University Press, New Brunswick, New Jersey, USA.
- Singhal, R. C., M. R. Gupta, and Dev Narayan. 2001. Eco-friendly approach for minimizing populations of sugarcane stalk borer (*Chilo auricilius*) in the Tarai belt of Uttar Pradesh, India, pp. 374-377 (Volume 2). *In*: Anon. *Proceedings of the XXIVth Congress*, Brisbane, Australia, 17-21 September, 2001. Australian Society of Sugarcane Technologists, Mackay, Australia.
- Singleton, G. R. 1989. Population dynamics of an outbreak of house mice (*Mus domesticus*) in the mallee wheatlands of Australia - hypothesis of plague formation. *Journal of Zoology, London* 219: 495-515.
- Singleton, G. R. and L. K. Chambers. 1996. A manipulative field experiment to examine the effect of *Capillaria hepatica* (Nematoda) on wild mouse populations in southern Australia. *International Journal for Parasitology* 26: 383-398.
- Singleton, G. R. and H. I. McCallum. 1990. The potential of *Capillaria hepatica* to control mouse plagues. *Parasitology Today* 6: 190-193.
- Singleton, G. R. and D. M. Spratt. 1986. The effects of *Capillaria hepatica* (Nematoda) on natality and survival to weaning in BALB/c mice. *Australian Journal of Zoology* 34: 677-681.
- Singleton, G. R., D. M. Spratt, S. C. Barker, and P. F. Hodgson. 1991. The geographic distribution and host range of *Capillaria hepatica* (Bancroft) (Nematoda) in Australia. *International Journal for Parasitology* 21: 945-957.
- Singleton, G. R., L. K. Chambers, and D. M. Spratt. 1995. An experimental field study to examine whether *Capillaria hepatica* (Nematoda) can limit house mouse populations in eastern Australia. *Wildlife Research* 22: 31-53.

- Singleton, G. R., P. R. Brown, R. P. Pech, J. Jacob, G. J. Mutze, and C. J. Krebs. 2005. One hundred years of eruptions of house mice in Australia – a natural biological curio. *Biological Journal of the Linnean Society* 84: 617-627.
- Sivinski, J., J. Pinero, and M. Aluja. 2000. The distributions of parasitoids (Hymenoptera) of *Anastrepha* fruit flies (Diptera: Tephritidae) along an altitudinal gradient in Veracruz, Mexico. *Biological Control* 18: 258-269.
- Sjogren, R. D. and E. F. Legner. 1989. Survival of the mosquito predator *Notonecta unifasciata* (Hemiptera: Notonectidae) embryos at low thermal gradients. *Entomophaga* 34: 201-208.
- Skellum, J. G. 1952. Studies in statistical ecology. I. Spatial pattern. *Biometrika* 39: 346-362.
- Skirvin, D. J. 2004. Virtual plant models of predatory mite movement in complex plant canopies. *Ecological Modeling* 171: 301-313.
- Slotta, T. A. B., M. E. Foley, and D. Horvath. 2005. Development of polymorphic markers for *Cirsium arvense*, Canada thistle, and their amplification in closely related taxa. *Molecular Ecology Notes* 5: 917-919.
- Smart, L. E., J. H. Stevenson, and J. H. H. Walters. 1989. Development of field trial methodology to assess short-term effects of pesticides on beneficial arthropods in arable crops. *Crop Protection* 8: 169-180.
- Smith, D. and D. F. Papacek. 1991. Studies of the predatory mite *Amblyseius victoriensis* (Acarina: Phytoseiidae) in citrus orchards in south-east Queensland: control of *Tegolophus australis* and *Phyllocoptruta oleivora* (Acarina: Eriophyidae), effect of pesticides, alternative host plants and augmentative release. *Experimental and Applied Acarology* 12: 195-217.
- Smith, D., G. A. C. Beattie, and R. Broadley (eds.). 1997. Citrus pests and their natural enemies. Department of Primary Industries, Brisbane, Queensland, Australia.
- Smith, F. E. 1961. Density-dependence in the Australian thrips. *Ecology* 42:403-407.
- Smith, G. 1994. Parasite population density is regulated,, pp. 47-63. In: Scott, M. E. and G. Smith (eds.). *Parasitic and Infectious Diseases, Epidemiology and Ecology*. Academic Press San Diego, California, USA. 398 pp.
- Smith, G. and A. P. Dobson. 1992. Sexually transmitted diseases in animals. *Parasitology Today* 8: 159-166.
- Smith, G., A. Walmsley, and I. Polkinghorne. 1997. Plant-derived immunocontraceptive vaccines. *Reproduction, Fertility and Development* 9: 85-89.
- Smith, H. S. 1935. The role of biotic factors in the determination of population densities. *Journal of Economic Entomology* 28: 873-898.
- Smith, H. S. and H. M. Armitage. 1926. Biological control of mealybugs in California. *California State Department of Agriculture Monthly Bulletin* 9: 104-164.
- Smith, J. M. 1957. Effects of the food plant of California red scale, *Aonidiella aurantii* (Mask.) on reproduction of its hymenopterous parasites. *The Canadian Entomologist* 89: 219-230.
- Smith, L. 2006. Cause and effect, and how to make a better biocontrol agent. *Biological Control News and Information* 27(2): 28N-30N.
- Smith, L. 2007. Physiological host range of *Ceratapion basicorne*, a prospective biological control agent of *Centaurea solstitialis* (Asteraceae). *Biological Control* 41: 120-133.

- Smith, R. A. and D. A. Nordlund. 2000. Mass rearing technology for biological control agents of *Lygus* spp. *Southwestern Entomologist* (Suppl. 23): 121-127.
- Smith, S. M. 1996. Biological control with *Trichogramma*: advances, successes, and potential of their use. *Annual Review of Entomology* 41: 375-406.
- Smith, S. M., J. R. Carrow, and J. E. Laing (eds.). 1990. Innundative release of the egg parasitoid *Trichogramma minutum* (Hymenoptera: Trichogrammatidae) against forest insect pests such as spruce budworm *Choristoneura fumiferana* (Lepidoptera: Tortricidae): The Ontario Project 1982-1986. *Memoirs of the Entomological Society of Canada* No. 153, 87 pp.
- Smith, S. M., K. van Frankenhuyzen, V. G. Nealis, and R. S. Bourchier. 2001. *Choristoneura fumiferana* (Clemens), eastern spruce budworm (Tortricidae), pp. 58-68. In: Mason, P. and J. Huber (eds.). *Biological Control Programmes in Canada, 1981-2000*. CABI Publishing, Wallingford, United Kingdom.
- Snyder, A. E. and D. H. Wise. 2001. Antipredator behavior of spotted cucumber beetles (Coleoptera: Chrysomelidae) in response to predators that pose varying risks. *Environmental Entomology* 29: 35-42.
- Snyder, C., J. Young, D. Smith, D. Lemarie, R. Ross, and R. Bennett. 1998. Influence of eastern hemlock decline on aquatic biodiversity of Delaware Water Gap National Recreation Area. Final Report of the USGS Biological Resources Division, Leetown Science Center. Aquatic Ecology Laboratory. 66 pp. <http://ael.er.usgs.gov/groups/gis/hemlock/dewa.html>
- Snyder, C., J. Young, D. Smith, and D. Lemarie, R. Ross, and R. Bennet. 2004. Stream ecology linked to eastern hemlock decline in Delaware Water Gap National Recreation Area <http://www.lsc.usgs.gov/aeb/2048-03/dewa.asp> (Accessed October 25, 2004)
- Snyder, W.E. and Ives, A.R. 2001. Generalist predators disrupt biological control by a specialist parasitoid. *Ecology* 82: 705-716.
- Snyder, W. E., S. N. Ballard, S. Yang, G. M. Clevenger, T. D. Miller, J. J. Ahn, T. D. Hatten, and A. A. Berryman. 2004. Complementary biocontrol of aphids by the ladybird beetle *Harmonia axyridis* and the parasitoid *Aphelinus asychis* on greenhouse roses. *Biological Control* 20: 229-235.
- Soares, A. O., C. Coderre, and H. Schandrel. 2004. Dietary self-selection behavior by adults of the aphidophagous ladybeetle *Harmonia axyridis* (Coleoptera: Coccinellidae). *Journal of Animal Ecology* 73: 474-486.
- Sobhian, R., F. J. Ryan, A. Khamraev, M. J. Pitcairn, and D. E. Bell. 2003. DNA phenotyping to find a natural enemy in Uzbekistan for California biotypes of *Salsola tragus* L. *Biological Control* 28: 222-228.
- Sobhian, R., A. McClay, S. Hasan, M. Peterschmitt, and R. B. Hughes. 2004. Safety assessment and potential of *Cecidophyes rouhollahi* (Acari, Eriophyidae) for biological control of *Galium spurium* (Rubiaceae) in North America. *Journal of Applied Entomology* 128: 258-266.
- Solbrig, O. T. 1981. Studies on the population biology of the genus *Viola*. II. The effect of plant size on fitness in *Viola sororia*. *Evolution* 35: 1080-1093.
- Solomon, M. E. 1949. The natural control of animal populations. *Journal of Animal Ecology* 18: 1-35.

- Solomon, M. G., M. A. Easterbrook, and J. D. Fitzgerald. 1993. Mite-management programmes based on organophosphate-resistant *Typhlodromus pyri* in U.K. apple orchards. *Crop Protection* 12: 249-254.
- Solow, A. R. and J. H. Steele. 1990. On sample size, statistical power, and the detection of density dependence. *Journal of Animal Ecology* 59: 1073-1076.
- Soper, R. S., G. E. Shewell, and D. Tyrrell. 1976. *Colcondamyia auditrix* nov. sp. (Diptera: Sarcophagidae), a parasite which is attracted by the mating song of its host, *Okanagana rimosa* (Homoptera: Cicadidae). *The Canadian Entomologist* 108: 61-68.
- Sopp, P. I. 1987. Quantification of predation by polyphagous predators on *Sitobion avenae* (Homoptera: Aphididae) in winter wheat using ELISA. Ph.D. dissertation, University of Southampton, United Kingdom.
- Southwood, T. R. E. 1978. *Ecological Methods with Particular Reference to the Study of Insect Populations*, 2nd ed. Chapman and Hall, London.
- Southwood, T. R. E. and H. N. Comins. 1976. A synoptic population model. *Journal of Animal Ecology* 45: 949-965.
- Southwood, T. R. E. and W. F. Jepson. 1962. Studies on the populations of *Oscinella frit* L. (Diptera: Chloropidae) in the oat crop. *Journal of Animal Ecology* 31: 481-495.
- Spacie, A. 1992. Testing the effects of microbial agents on fish and crustaceans, pp. 707-728. In: Levin, M. A., R. J. Seidler, and M. Rogul (eds.). *Microbial Ecology: Principles, Methods, and Applications*. McGraw-Hill, New York.
- Spafford Jacob, H. and D. T. Briese (eds.). 2003. *Improving the Selection, Testing, and Evaluation of Weed Biological Control Agents*. Proceedings of the CRC for Australian Weed Management Biological Control of Weeds Symposium and Workshop, Sept. 13, 2002, University of Western Australia, Perth. CRC for Australian Weed Management Technical Series No. 7.
- Speyer, E. R. 1927. An important parasite of the greenhouse whitefly (*Trialeurodes vaporariorum*) Westwood. *Bulletin of Entomological Research* 17: 301-308.
- Spielman, D. and R. Frankham. 1992. Modeling problems in conservation genetics using captive *Drosophila* populations: Improvement of reproductive fitness due to immigration of one individual into small partially inbred populations. *Zoo Biology* 11: 343-351.
- Spratt, D. M. and G. R. Singleton. 1986. Studies of the life cycle infectivity and clinical effects of *Capillaria hepatica* (Bancroft) (Nematoda) in mice, *Mus musculus*. *Australian Journal of Zoology* 34: 663-675.
- Stage, D. A. and J. J. Petersen. 1981. Mass release of pupal parasites for control of stable flies and house flies in confined feedlots in Nebraska, pp. 52-58. In: Patterson, R. S. (ed.). *Status of Biological Control of Filth Flies*. Proceedings of a Workshop, February 4-5, 198. University of Florida, Gainesville, Florida. USDA-ARS, New Orleans, Louisiana, USA.
- Stam, P. A. and H. Elmosa. 1990. The role of predators and parasites in controlling populations of *Earias insulana*, *Heliothis armigera*, and *Bemisia tabaci* on cotton in the Syrian Arab Republic. *Entomophaga* 35: 315-327.
- Stamm Katovich, E. J. 1999. Effect of *Galerucella* spp. on survival of purple loosestrife (*Lythrum salicaria*) roots and crowns. *Weed Science* 47: 360-365.

- Stamp, N. E. 1982. Behavioral interactions of parasitoids and the Baltimore checkerspot caterpillars (*Euphydryas phaeton*). *Environmental Entomology* 11: 100-104.
- Stansly, P. A., P. A. Sánchez, J. M. Rodríguez, F. Cañizares, A. Nieto, M. J. López Leyva, M. Fajardo, V. Suárez, and A. Urbaneja. 2004. Prospects for biological control of *Bemisia tabaci* (Homoptera: Aleyrodidae) in greenhouse tomatoes of southern Spain. *Crop Protection* 23: 701-712.
- Stapel, J. O., A. M. Cortesero, C. M. de Moraes, J. H. Tumlinson, and W. J. Lewis. 1997. Extra-floral nectar, honeydew, and sucrose effects on searching behavior and efficiency of *Microplitis croceipes* (Hymenoptera: Braconidae) in cotton. *Environmental Entomology* 26: 617-623.
- Starling website: http://www.columbia.edu/itc/cerc/danoff-burg/invasion_bio/inv_spp_summ/Sturnus_vulgaris.html (accessed October 18, 2004)
- Starý, P. 1970. *Biology of Aphid Parasites (Hymenoptera: Aphididae) with Respect to Integrated Control*. W. Junk, N. V., The Hague, The Netherlands.
- Stastny, M., U. Schaffner, and E. Belle. 2005. Do vigour of introduced populations and escape from specialist herbivores contribute to invasiveness? *Journal of Ecology* 93: 27-37
- Steinhaus, E. A. (ed.). 1963. *Insect Pathology: An Advanced Treatise, Volume 2*. Academic Press, New York.
- Stewart, C. A., R. B. Chapman, A. M. Barrington, and C. M. A. Frampton. 1999. Influence of temperature on adult longevity, oviposition and fertility of *Agasicles hygrophila* Selman & Vogt (Coleoptera: Chrysomelidae). *New Zealand Journal of Zoology* 26: 191-197.
- Stewart, L. M. D., M. Hirst, M. L. Ferber, A. T. Merryweather, P. J. Cayley, and R. D. Possee. 1991. Construction of an improved baculovirus insecticide containing an insect-specific toxin gene. *Nature* 352 (6330): 85-88.
- Steyn, J. J. 1958. The effect of ants on citrus scales at Letaba, South Africa. *Proceedings of the 10th International Congress of Entomology* 4: 589-594.
- Stiling, P. 1989. Exotics: biological invasions. *Florida Wildlife* 43 (5): 13-16.
- Stiling, P. and A. M. Rossi. 1997. Experimental manipulations of top-down and bottom-up factors in a tri-trophic system. *Ecology* 78: 1602-1606.
- Stiling, P., D. Moon, and D. Gordon. 2004. Endangered cactus restoration: mitigating the non-target effects of a biological control agent (*Cactoblastis cactorum*) in Florida. *Restoration Ecology* 12: 605-610.
- Stireman, J. O., III. 2002. Host location and selection cues in a generalist tachinid parasitoid. *Entomologia Experimentalis et Applicata* 103: 23-34.
- Stireman, J. O., III, J. E. O'Hara, and D. M. Wood. 2006. Tachinidae: evolution, behavior, and ecology. *Annual Review of Entomology* 51: 525-555.
- Stoetzel, M. B. 2002. History of the introduction of *Adelges tsugae* based on voucher specimens in the Smithsonian Institute national collection of insects, p. 12. In: B. Onken, R. Reardon, and J. Lashomb (eds.). *Proceedings: Hemlock Woolly Adelgid in the Eastern United States Symposium*, February 5-7, 2002, East Brunswick, New Jersey. USDA Forest Service and New Jersey Agricultural Experiment Station Publication.

- Stoltz, D. B. 1993. The polydnavirus life cycle, pp. 167-187. *In*: Beckage, N. E., S. N. Thompson, and B. A. Federici (eds.). *Parasites and Pathogens of Insects, Volume I. Parasites*. Academic Press, New York.
- Stoltz, D. B. and S. B. Vinson. 1979. Viruses and parasitism in insects. *Advances in Virus Research* 24: 125-171.
- Storey, G. K., C. W. McCoy, K. Stenzel, and W. Andersch. 1990. Conidiation kinetics of the mycelial granules of *Metarhizium anisopliae* (BIO 1020) and its biological activity against different soil insects, pp. 320-325. *In*: Pinnock, D. E. (ed.). *Vth International Colloquium on Invertebrate Pathology and Microbial Control*. Adelaide, Australia, 20-24, August, 1990, Department of Entomology, University of Adelaide; Glen Osmond, South Australia.
- Story, J. M. 1985. First report of the dispersal into Montana of *Urophora quadrifasciata* (Diptera: Tephritidae), a fly released in Canada for biological control of spotted and diffuse knapweed. *The Canadian Entomologist* 117: 1061-1062.
- Story, J. M. and N. L. Anderson. 1978. Release and establishment of *Urophora affinis* (Diptera: Tephritidae) on spotted knapweed in western Montana. *Environmental Entomology* 7: 445-448.
- Story, J. M., E. M. Coombs, and G. L. Piper. 2004a. Spotted knapweed, *Centaurea stoebe* ssp. *micranthos* (= *C. maculosa*), pp. 204-205. *In*: Coombs, E. M., J. K. Clark, G. L. Piper, and A. F. Cofrancesco (eds.). *Biological Control of Invasive Plants in the United States*. Oregon State University Press, Corvallis, Oregon, USA.
- Story, J. M., E. M. Coombs, and G. L. Piper. 2004b. *Pterolonche inspersa*, pp. 221-222. *In*: Coombs, E. M., J. K. Clark, G. L. Piper, and A. F. Cofrancesco (eds.). *Biological Control of Invasive Plants in the United States*. Oregon State University Press, Corvallis, Oregon, USA.
- Story, J. M., N. W. Callan, J. G. Corn, and L. J. White. 2006. Decline of spotted knapweed density at two sites in western Montana with large populations of the introduced root weevil, *Cyphocleonus achates* (Fahraeus). *Biological Control* 38: 227-232.
- Stouthamer, R. 1993. The use of sexual versus asexual wasps in biological control. *Entomophaga* 38: 3-6.
- Stouthamer, R., R. F. Luck, and W. D. Hamilton. 1990. Antibiotics cause parthenogenetic *Trichogramma* (Hymenoptera:Trichogrammatidae) to revert to sex. *Proceedings of the National Academy of Sciences of the United States of America* 87: 2424-2427.
- Stouthamer, R., J. Hu, F. J. P. M. Van Kan, G. R. Platner, and J. D. Pinto. 1999. The utility of internally transcribed spacer 2 DNA sequences of the nuclear ribosomal gene for distinguishing sibling species of *Trichogramma*. *BioControl (Dordrecht)* 43: 421-440.
- Stouthamer, R., P. Jochemsen, G. R. Platner, and J. D. Pinto. 2000a. Crossing incompatibility between *Trichogramma minutum* and *T. platneri* (Hymenoptera : Trichogrammatidae): Implications for application in biological control. *Environmental Entomology* 29: 832-837.
- Stouthamer, R., Y. Gai, A. B. Koopmanschap, G. R. Platner, and J. D. Pinto. 2000b. ITS-2 sequences do not differ for the closely related species *Trichogramma minutum* and *T. platneri*. *Entomologia Experimentalis et Applicata* 95: 105-111.
- Stowell, L. J. 1991. Submerged fermentation of biological herbicides, pp. 225-261. *In*: TeBeest, D. O. (ed.). *Microbial Control of Weeds*. Chapman and Hall, New York.

- Strand, M. R. and S. B. Vinson. 1982. Behavioral response of the parasitoid *Cardiochiles nigriceps* to a kairomone. *Entomologia Experimentalis et Applicata* 31: 308-315.
- Strand, M. R. and S. B. Vinson. 1983a. Host acceptance behavior of *Telenomus heliothidis* (Hymenoptera: Scelionidae) toward *Heliothis virescens* (Lepidoptera: Noctuidae). *Annals of the Entomological Society of America* 76: 781-785.
- Strand, M. R. and S. B. Vinson. 1983b. Factors affecting host recognition and acceptance in the egg parasitoid *Telenomus heliothidis* (Hymenoptera: Scelionidae). *Environmental Entomology* 12: 1114-1119
- Strand, M. R. and S. B. Vinson. 1983c. Analysis of an egg recognition kairomone of *Telenomus heliothidis* (Hymenoptera: Scelionidae). Isolation and host function. *Journal of Chemical Ecology* 9: 423-432.
- Strasser, H., A. Vey, and T. M. Butt. 2000. Are there any risks in using entomopathogenic fungi for pest control, with particular reference to the bioactive metabolites of *Metarhizium*, *Tolypodium*, and *Beauveria* species? *Biocontrol Science and Technology* 10: 717-735.
- Strong, D. R. and R. W. Pemberton. 2000. Biological control of invading species: risk and reform. *Science* 288: 1969-1970.
- Strong, D. R. and R. W. Pemberton. 2001. Food webs, risks of alien enemies and reform of biological control, pp. 57- 79. In: E. Wajnberg, J. K. Scott & P. C. Quimby (eds.). *Evaluating Indirect Ecological Effects of Biological Control*. CABI Pub. Wallingford, United Kingdom.
- Strong, D. R., J. H. Lawton, and R. Southwood. 1984. *Insects on Plants – Community Patterns and Mechanisms*. Harvard Univ. Press, Cambridge, Massachusetts, USA.
- Strong, W. B. and B. A. Croft. 1995. Inoculative release of phytoseiid mites (Acarina: Phytoseiidae) into the rapidly expanding canopy of hops for control of *Tetranychus urticae* (Acarina: Tetranychidae). *Environmental Entomology* 24: 446-453.
- Stronge, D. C., R. A. Fordham, and E. O. Minot. 1997. The foraging ecology of feral goats *Capra hircus* in the Mahoenui giant weta reserve, southern King Country, *New Zealand Journal of Ecology* 21: 81-88.
- Stubbs, M. 1980. Another look at prey detection by coccinellids. *Ecological Entomology* 5: 179-182.
- Sturm, M. M., W. L. Sterling, and A. W. Hartstack. 1990. Role of natural mortality in boll weevil (Coleoptera: Curculionidae) management programs. *Journal of Economic Entomology* 83: 1-7.
- Sugimoto, T., Y. Shimono, Y., Hata, A. Naki, and M. Yahara. 1988. Foraging for patchily distributed leaf-miners by the parasitoid *Dapsilarthra rufiventris* (Hymenoptera: Braconidae). III. Visual and acoustic cues to a close range patch-location. *Applied Entomology and Zoology* 23: 113-121.
- Suh, C. P.-C., D. B. Orr, J. W. van Duyn, and D. M. Borchert. 2000a. *Trichogramma exiguum* (Hymenoptera: Trichogrammatidae) releases in North Carolina cotton: evaluation of heliothine pest suppression. *Journal of Economic Entomology* 93: 1127-1136.
- Suh, C. P.-C., D. B. Orr, and J. W. van Duyn. 2000b. *Trichogramma* releases in North Carolina cotton: why releases fail to suppress heliothine pests. *Journal of Economic Entomology* 93: 1137-1145.

- Summy, K. R., F. E. Gilstrap, W. G. Hart, J. M. Caballero, and I. Saenz. 1983. Biological control of citrus blackfly (Homoptera: Aleyrodidae) in Texas. *Environmental Entomology* 12: 782-786.
- Summy, K. R., J. A. Morales-Ramos, and E. G. King. 1995. Suppression of boll weevil (Coleoptera: Curculionidae) infestations on south Texas cotton by augmentative releases of the parasite *Catolaccus grandis* (Hymenoptera: Pteromalidae). *Biological Control* 5: 523-529.
- Summy, K. R., S. M. Greenberg, J. A. Morales-Ramos, and E. G. King. 1997. Suppression of boll weevil infestations (Coleoptera: Curculionidae) occurring on fallow-season cotton in southern Texas by augmentative releases of *Catolaccus grandis* (Hymenoptera: Pteromalidae). *Biological Control* 9: 209-215.
- Sunderland, K. D. 1988. Quantitative methods for detecting invertebrate predation occurring in the field. *Annals of Applied Biology* 112: 201-224.
- Surís, C. M., E. Rijo y E. González F. 2005. Diversidad de organismos en la regulación de plagas que afectan los cultivos, Control natural y biológico. pp. 146-158. En: A. Leyva G. y J. Pohlen (eds.). *Agroecología en el trópico – Ejemplos de Cuba*. Shaker Verlag. Aachen, Germany.
- Surles, W. W. and L. T. Kok. 1977. Ovipositional preference and synchronization of *Rhinocyllus conicus* with *Carduus nutans* and *C. acanthoides*. *Environmental Entomology* 6: 222-224.
- Sutherst, R. W. 1991. Predicting the survival of immigrant insect pests in new environments. *Crop Protection* 10: 331-333.
- Sutherst R. W. 2000. Change and invasive species: A conceptual framework, pp. 211-240. In: Mooney, H. A. and R. J. Hobbs (eds.). *Invasive Species in a Changing World*. Island Press, Washington, D.C.
- Sutherst, R. W. and G. F. Maywald. 1985. A computerised system for matching climates in ecology. *Agriculture, Ecosystems and the Environment* 13: 281-299.
- Sutherst, R. W. and G. F. Maywald. 2005. A climate model of the red imported fire ant, *Solenopsis invicta* Buren (Hymenoptera: Formicidae): Implications for invasion of new regions, particularly Oceania. *Environmental Entomology* 34: 317-335.
- Sutherst, R. W., G. F. Maywald, and B. L. Russell. 2000. Estimating vulnerability under global change: modular modeling of pests. *Agriculture, Ecosystems, and the Environment* 82: 303-319.
- Sutherst R. W, G. F. Maywald, W. Bottomley, and A. Bourne. 2004. *CLIMEX v2 – User’s Guide*. Hearne Scientific Software, Melbourne, Australia.
- Symondson, W. O. C. 2002. Molecular identification of prey in predator diets. *Molecular Ecology* 11: 627-641.
- Symondson, W. O. C., K. D. Sunderland, and M.H.Greenstone. 2002. Can generalist predators be effective biocontrol agents? *Annual Review of Entomology* 47: 561-594.
- Syrett, P., D. T. Briese, and J. H. Hoffmann. 2000. Success in biological control of terrestrial weeds by arthropods, pp. 189-230. In: Gurr, G. and S. Wratten (eds.). *Biological Control: Measures of Success*. Kluwer Academic Press, San Diego, California, USA.
- Szentkirályi, F. 2001. Ecology and habitat relationships, pp. 82-115. In: McEwen, P., T. R. New, A. E. Whittington. *Lacewings in the Crop Environment*. Cambridge University Press, Cambridge, United Kingdom.

- Tabashnik, B. E., N. L. Cushing, N. Finson, and M. W. Johnson. 1990. Field development of resistance to *Bacillus thuringiensis* in diamondback moth (Lepidoptera: Plutellidae). *Journal of Economic Entomology* 83: 1671-1676.
- Tabor, P. and A. W. Susott. 1941. Zero to thirty mile-a-minute seedlings. *Soil Conservation* 8: 61-65.
- Takahashi, S., M. Hajika, J. Takabyashi, and M. Fukui. 1990. Oviposition stimulants in the coccoid cuticular waxes of *Aphytis yanonensis* DeBach and Rosen. *Journal of Chemical Ecology* 16: 1657-1665
- Talhok, A. S. 1991. On the management of the date palm and its arthropod enemies in the Arabian Peninsula. *Journal of Applied Entomology* 111: 514-520.
- Tallmon, D. A., G. Luikart, and R. S. Waples. 2004. The alluring simplicity and complex reality of genetic rescue. *Trends in Ecology and Evolution* 19: 489-496.
- Tanada, Y. and H. K. Kaya. 1993. *Insect Pathology*. Academic Press, San Diego, California, USA.
- Tanigoshi, L. K., J. Fargerlund, J. Y. Nishio-Wong, and H. J. Griffiths. 1985. Biological control of citrus thrips, *Scirtothrips citri* (Thysanoptera: Thripidae) in southern California citrus groves. *Environmental Entomology* 14: 733-741.
- Tanwar, R. K., Ashok Varma, and M. R. Singh. 2003. Evaluation of different integrated control tactics for management of major insect pests of sugarcane in central Uttar Pradesh. *Indian Journal of Sugarcane Technology* 18 (1/2): 64-69.
- Tauber, C. A., J. B. Johnson, and M. J. Tauber. 1992. Larval and developmental characteristics of the endemic Hawaiian lacewing, *Anomalochrysa frater* (Neuroptera: Chrysopidae). *Annals of the Entomological Society of America* 85: 200-206.
- Tauber, M. J., C. A. Tauber, and S. Gardescu. 1993. Prolonged storage of *Chrysoperla carnea* (Neuroptera: Chrysopidae). *Environmental Entomology* 22: 843-848.
- Tarango, R. S. H. y F. J. Quiñones P. 2001. Biología y cría de las catarinitas *Harmonia axyridis* y *Olla v-nigrum*. *Folleto técnico No. 5 INIFAP*. México. 39 pp.
- Tatchell, C. M. and C. C. Payne. 1984. Field evaluation of a granulosis virus for control of *Pieris rapae* (Lep.: Pieridae) in the United Kingdom. *Entomophaga* 29: 133-144.
- Taylor, C. M. and A. Hastings. 2005. Allee effects in biological invasions. *Ecology Letters* 8: 895-908.
- Taylor, G. S. 2004. Revision of *Fergusonina* Malloch gall flies (Diptera: Fergusoninidae) from *Melaleuca* (Myrtaceae). *Invertebrate Systematics* 18: 251-290.
- Taylor, R. H. and B. W. Thomas. 1993. Rats eradicated from rugged Breaksea Island (170 ha), Fiordland, New Zealand. *Biological Conservation* 65: 191-198.
- Taylor, R. H., G. W. Kaiser, and M. C. Drever. 2000. Eradication of Norway rats for recovery of seabird habitat on Langara Island, British Columbia. *Restoration Ecology* 8: 151-160.
- Tedders, W. L. and P. W. Schaefer. 1994. Release and establishment of *Harmonia axyridis* (Coleoptera: Coccinellidae) in the southeastern United States. *Entomological News* 105 (4): 228-243.

- Telenga, N. A. and V. A. Schepetilnikova. 1949. *A Manual for Breeding and Application of Trichogramma in Agricultural Pest Control*. Izdatelstvo Akademii Nauk Ukrainian SSR, Kiev, Ukraine.
- Telford, S. R. 1999. The possible use of haemogregarine parasites in the biological control of the brown treesnake (*Boiga irregularis*) and the habu (*Trimeresurus flavoviridis*), pp. 384-390. In: Rodda G. H., Sawai, Y., Chiszar, D., and H. Tanaka, (eds.). *Problem Snake Management: The Habu and the Brown Treesnake*. Comstock Publishing Associates, Ithaca, New York, USA.
- Templeton, G. E. 1992. Use of *Colletotrichum* strains as mycoherbicides, pp. 358-380. In: Bailey, J. A. and M. J. Jeger (eds.). *Colletotrichum: Biology, Pathology, and Control*. Commonwealth Agricultural Bureaux International, Wallingford, United Kingdom.
- Tewksbury, L., M. S. Gold, R. A. Casagrande, and M. Kenis. 2005. Establishment in North America of *Tetrastichus setifer* Thomson (Hymenoptera: Eulophidae), a parasitoid of *Lilioceris lili* (Coleoptera: Chrysomelidae), pp. 142-143. In: Hoddle, M. S. (Compiler). *Proceedings of the Second International Symposium on Biological Control of Arthropods, Davos Switzerland*. USDA-FS Forest Health Technology Team, Morgantown, West Virginia, USA.
- Thaman, R. R. 1974. *Lantana camara*: Its introduction, dispersal and impact on islands of the tropical Pacific Ocean. *Micronesica* 10: 17-39.
- Thang, M. H., O. Mochida, B. Morallo-Rejesus, and R. P. Robles. 1987. Selectivity of eight insecticides to the brown planthopper, *Nilaparvata lugens* (Stål) (Homoptera: Delphacidae), and its predator, the wolf spider *Lycosa pseudoannulata* Boes. et Str. (Araneae: Lycosidae). *Philippine Entomologist* 7: 51-56.
- Thibaut, T. and A. Meinesz. 2000. Are the Mediterranean ascoglossan mollusks *Oxymoe olivacea* and *Lobiger serradifalci* suitable agents for a biological control against the invading tropical alga *Caulerpa taxifolia*? *Comptes Rendus de L'Académie des Science. Série III, Sciences de la Vie* 323: 477-488.
- Thibaut, T., A. Meinesz, P. Amade, S. Charrier, K. De Angelis, S. Lerardi, L. Angialajo, J. Melnick, and V. Vidal. 2001. *Elysia subornata* (Mollusca) a potential control agent of the alga *Caulerpa taxifolia* (Chlorophyta) in the Mediterranean Sea. *Journal of Marine Biology Association* 81: 497-504.
- Thiele, H. U. 1977. *Carabid Beetles in their Environments*. Springer-Verlag. Berlin, Germany.
- Thiery, I., S. Hamon, V. C. Dumanoir, and H. de Barjac. 1992. Vertebrate safety of *Clostridium bifermentans* serovar *malaysia*, a new larvicidal agent for vector control. *Journal of Economic Entomology* 85: 1618-1623.
- Thomas, M. 1990. Diversification of the arable ecosystem to control natural enemies of cereal aphids. *Game Conservancy Review* 21: 68-69.
- Thomas, M. B., S. D. Wratten, and N. W. Sotherton. 1991. Creation of "island" habitats in farmland to manipulate populations of beneficial arthropods: predator densities and emigration. *Journal of Applied Ecology* 28: 906-917.
- Thomas, M. B., H. J. Mitchell, and S. D. Wratten. 1992. Abiotic and biotic factors influencing the winter distribution of predatory insects. *Oecologia* 89: 78-84.
- Thomas, P. 2000. *Trees: Their Natural History*. Cambridge University Press, Cambridge, United Kingdom.

- Thomas, P. A. and P. M. Room. 1986. Taxonomy and control of *Salvinia molesta*. *Nature* 320: 581-584.
- Thompson, C. R. and D. H. Habeck. 1989. Host specificity and biology of the weevil *Neohydronomus affinis* (Coleoptera: Curculionidae), a biological control agent of *Pistia stratiotes*. *Entomophaga* 34: 299-306.
- Thompson, L. C., H. M. Kulman, and R. A. Hellenthal. 1979. Parasitism of the larch sawfly by *Bessa harveyi* (Diptera: Tachinidae). *Annals of the Entomological Society of America* 72: 468-471.
- Thompson, S. N. 1981. *Brachymeria lasus*: culture *in vitro* of a chalcid insect parasite. *Experimental Parasitology* 52: 414-418.
- Thompson, W. R. 1924. La theorie mathematique de l'action des parasites entomophages et le facteur du hazard. *Annals Fac. Sci. Marseille* 2: 69-89.
- Thorbeck, P. and T. Bilde. 2004. Reduced numbers of generalist arthropod predators after crop management. *Journal of Applied Ecology* 41: 526-538.
- Thresher, R. E., M. Werner, J. T. Hoeg, I. Svane, H. Glenner, N. E. Murphy, and C. Wittwer. 2000. Developing the options for managing marine pests: specificity trials on the parasitic castrator, *Sacculina carcini*, against the European crab, *Carcinus maenas*, and related species. *Journal of Experimental Marine Biology and Ecology* 254: 37-51.
- Thulin, C-G., D. Simberloff, A. Barun, G. McCracken, M. Pascal, and M. A. Isalm. 2006. Genetic divergence in the small Indian mongoose (*Herpestes auro-punctatus*), a widely distributed invasive species. *Molecular Ecology* 15: 3947-3956.
- Tilmon, K. J. and M. P. Hoffmann. 2003. Biological control of *Lygus lineolaris* by *Peristenus* spp. in strawberry. *Biological Control* 26: 287-292.
- Tinzaara, W., C. S. Gold, M. Dicke, and A. van Huis. 2005. Olfactory responses of banana weevil predators to volatiles from banana pseudostem tissue and synthetic pheromone. *Journal of Chemical Ecology* 31: 1537-1553.
- Tisdell, C. 1990. Economic impact of biological control of weeds and insects, pp. 301-316. In: Mackauer, M., L. E. Ehler, and J. Roland (eds.). *Critical Issues in Biological Control*. Intercept, Andover, United Kingdom.
- Tisdell, C. A., B. A. Auld, and K. M. Menz. 1984. On assessing the value of biological control of weeds. *Protection Ecology* 6: 169-179.
- TNC (The Nature Conservancy). Website on island fox recovery plan at http://nature.org/wherewework/northamerica/states/california/features/sci_recovery.html (accessed December 7, 2004).
- Toepfer, S. and U. Kuhlmann. 2006. Constructing life-tables for the invasive maize pest *Diabrotica virgifera* (Col., Chrysomelidae) in Europe. *Journal of Applied Entomology* 130: 193-205.
- Tomley, A. J. and H. C. Evans. 2004. Establishment of, and preliminary impact studies on, the rust, *Maravalia cryptostegiae*, of the invasive alien weed, *Cryptostegia grandiflora* in Queensland, Australia. *Plant Pathology* 53: 475-484.
- Torchin, M. E., K. D. Lafferty, and A. M. Kuris. 2001. Release from parasites as natural enemies: increased performance of a globally introduced marine crab. *Biological Invasions* 3: 333-345.

- Torgersen, T. R., J. W. Thomas, R. R. Mason, and D. van Horn. 1984. Avian predators of Douglas-fir tussock moth, *Orgyia pseudotsugata* (McDunnough) (Lepidoptera: Lymantriidae) in southwestern Oregon. *Environmental Entomology* 13: 1018-1022.
- Torres, J. B., J. R. Ruberson, and M. J. Adang. 2006. Expression of *Bacillus thuringiensis* CryIAc protein in cotton plants, acquisition by pests and predators: a tritrophic analysis. *Agricultural and Forest Entomology* 8: 191-202.
- Tostawaryk, W. 1971. Relationship between parasitism and predation of diprionid sawflies. *Annals of the Entomological Society of America* 64: 1424-1427.
- Tothill, J. D., T. H. C. Taylor, and R. W. Paine. 1930. *The Coconut Moth in Fiji: a History of its Control by Means of Parasites*. Imperial Bureau of Entomology, London.
- Townes, H. 1969. The genera of Ichneumonidae, Parts 1, 2, and 3. *Memoirs of the American Entomological Institute* No. 11, 12, and 13.
- Townes, H. 1988. The more important literature on parasitic Hymenoptera, pp. 491-518. In: Anon. *Advances in Parasitic Hymenoptera Research. Proceedings of the Second Conference on the Taxonomy and Biology of Parasitic Hymenoptera*, November 19-21, 1987, University of Florida, Gainesville, Florida, USA. E. J. Brill, New York.
- Tracewski, K. T., P. C. Johnson, and A. T. Eaton. 1984. Relative densities of predaceous Diptera (Cecidomyiidae, Chamaemyiidae, Syrphidae) and their apple aphid prey in New Hampshire, USA, apple orchards. *Protection Ecology* 6: 199-207.
- Treacy, M. F., J. H. Benedict, J. C. Segers, R. K. Morrison, and J. D. Lopez. 1986. Role of cotton trichome density in bollworm (Lepidoptera: Noctuidae) egg parasitism. *Environmental Entomology* 15: 365-368.
- Treacy, M. F., J. H. Benedict, J. D. Lopez, and R. K. Morrison. 1987. Functional response of a predator (Neuroptera: Chrysopidae) to bollworm (Lepidoptera: Noctuidae) eggs on smooth-leaf, hirsute, and pilose cottons. *Journal of Economic Entomology* 80: 376-379.
- Tripplehorn, C. A. and N. F. Johnson. 2005. *Borror and DeLong's Introduction to the Study of Insects*. Thomson Brooks/Cole, Belmont, California, USA.
- Trjapitzin, V. A., F. D. Bennett, E. Ruíz C. and J. MA. Coronado B. 2004. Annotated checklist of encyrtids (Hymenoptera: Chalcidoidea: Encyrtidae) of Central America, the West Indies and Bermuda. *Universidad Autónoma de Tamaulipas*. Cd. Victoria, Tamaulipas, México.
- Trotter, D. M., R. A. Kent, and M. P. Wong. 1991. Aquatic fate and effect of carbofuran. *Critical Reviews in Environmental Control* 21: 137-176.
- Trujillo, E. E. 1985. Biological control a Hamakua pa-makani with *Cercospora* sp. in Hawaii, pp. 661-671. In: Delfosse, E. S. (ed.). *Proceedings of the VIth International Symposium on Biological Control of Weeds*, 19-25 August, 1984. Vancouver, British Columbia, Canada, Agriculture Canada, Ottawa, Ontario, Canada.
- Trujillo, E. E., F. M. Latterell, and A. E. Rossi. 1986. *Colletotrichum gloeosporioides*, a possible biological control agent for *Clidemia hirta* in Hawaiian forests. *Plant Disease* 70: 974-976.
- Trumble, J. and B. Alvarado-Rodriguez 1998. Trichogrammatid egg parasitoids as a component in the management of vegetable-crop insect pests, pp. 158-184. In: Ridgway, R. L., M. P. Hoffmann, N. N. Inscoe, and C. Glenister (eds.). *Mass-reared Natural Enemies: Application,*

- Regulation, and Needs*. Thomas Say Publications in Entomology: Proceedings. Entomological Society of America, Lanham, Maryland, USA.
- Tsutsui, N. D., A. V. Suarez, D. A. Holway, and T. J. Case. 2001. Relationships among native and introduced populations of the Argentine ant (*Linepithema humile*) and the source of introduced populations. *Molecular Ecology* 10: 2151-2161.
- Tumlinson, J. H., W. J. Lewis, and L. E. M. Vet. 1993. How parasitic wasps find their hosts. *Scientific American*, March issue, pp. 100-106.
- Tuomi, J., P. Niemelä, E. Haukioja, S. Sirén, and S. Neuvonen. 1984. Nutrient stress: an explanation for plant anti-herbivore responses to defoliation. *Oecologia* 61: 208-210.
- Turchin, P. 1990. Rarity of density dependence or population regulation with lags? *Nature* 344: 660-663.
- Turlings, T. C. J., J. H. Tumlinson, F. J. Eller, and W. J. Lewis. 1991. Larval-damaged plants: source of volatile synomones that guide the parasitoid *Cotesia marginiventris* to the microhabitat of its hosts. *Entomologia Experimentalis et Applicata* 58: 75-82.
- Turnbull, A. L. and P. A. Chant. 1961. The practice and theory of biological control in Canada. *Canadian Journal of Zoology* 39: 697-753.
- Turner, C. E. 1994. Host specificity and oviposition of *Urophora sirunaseva* (Hering) (Diptera: Tephritidae), a natural enemy of yellow starthistle. *Proceedings of the Entomological Society of Washington* 96: 31-36.
- Turner, C. E., R. W. Pemberton, and S. S. Rosenthal. 1987. Host utilization of native *Cirsium* thistles (Asteraceae) by the introduced weevil *Rhinocyllus conicus* (Coleoptera: Curculionidae) in California. *Environmental Entomology* 16: 111-115.
- Turner, C. E., R. Sobhian, and D. M. Maddox. 1990. Host specificity studies of *Chaetorellia australis* (Diptera: Tephritidae), a prospective biological control agent for yellow starthistle, *Centaurea solstitialis* (Asteraceae), pp. 231-236. In: Delfosse, E. S. (ed.). Proceedings of the VIIth International Symposium on Biological Control of Weeds. Istituto Sperimentale per la Patologia Vegetal, Ministero dell'Agricoltura e delle Foreste, Rome, Italy.
- Turner, C. E., T. D. Center, D. W. Burrows, and G. R. Buckingham. 1998. Ecology and management of *Melaleuca quinquenervia*, an invader of wetlands in Florida, USA. *Wetlands Ecology and Management* 5:165-178
- Turnock, W. J., I. L. Wise, and F. O. Matheson. 2003. Abundance of some native coccinellines (Coleoptera: Coccinellidae) before and after the appearance of *Coccinella septempunctata*. *The Canadian Entomologist* 135: 391-404.
- Tyndale-Biscoe, C. H. 1991. Fertility control in wildlife. *Reproduction, Fertility and Development* 3: 339-343.
- Tyndale-Biscoe, C. H. 1994a. The CRC for biological control of vertebrate pest populations: fertility control of wildlife for conservation. *Pacific Conservation Biology* 1: 160-162.
- Tyndale-Biscoe, C. H. 1994b. Virus-vectored immunocontraception of feral mammals. *Reproduction, Fertility and Development* 6: 281-287.
- Tyndale-Biscoe, C. H. 1995. Vermin and viruses: risks and benefits of viral-vectored immunosterilization. *Search* 26: 239-244.

- U. S. Congress, Office of Technology Assessment. 1993. *Harmful Non-indigenous Species in the United States*. OTA-F-565. U. S. Government Printing Office, Washington, D.C. (see Figure 2-2).
- UC-IPM 2006. <http://www.ipm.ucdavis.edu/WEATHER/ddretrieve.html> (last accessed Jan 18 2006).
- Udayagiri, S., S. C. Welter, and A. P. Norton. 2000a. Biological control of *Lygus hesperus* with inundative releases of *Anaphes iole* in a high cash value crop. *Southwestern Entomologist* (Suppl. 23): 27-38.
- Udayagiri, S., A. P. Norton, and S. C. Welter. 2000b. Integrating pesticide effects with inundative biological control: interpretation of pesticide toxicity curves for *Anaphes iole* in strawberries. *Entomologia Experimentalis et Applicata* 95: 87-95.
- Udvardy, M. D. F. 1969. *Dynamic Zoogeography*. Van Nostrand Reinhold Co., New York.
- Unruh, T. R., W. White, D. Gonzalez, G. Gordh, and R. F. Luck. 1983. Heterozygosity and effective size in laboratory populations of *Aphidius ervi* (Hymenoptera, Aphidiidae). *Entomophaga* 28: 245-258.
- USDA FS. 2004. HWA distribution map. http://www.fs.fed.us/na/morgantown/fhp/hwa/maps/hwa_1_20_04.jpg (Accessed October 25, 2004)
- USDA, sudden oak death at <http://www.aphis.usda.gov/ppq/ispm/pramorum/>
- USEPA. 2001. Santa Cruz Island Primary Restoration Plan Draft Environmental Impact Statement, Channel Islands National Park, Santa Barbara County, California; Notice of Availability (source: <http://www.epa.gov/EPA-IMPACT/2001/March/Day-09/i5948.htm>) (accessed November 2, 2004)
- Utida, S. 1957. Cyclic fluctuations of population density intrinsic to the host-parasite system. *Ecology* 38: 442-449.
- Uygun, S., L. Smith, F. N. Uygun, M. Cristofaro, and J. Balciunas. 2005. Field assessment in land of origin of host specificity, infestation rate and impact of *Ceratapion basicorne* a prospective biological control agent of yellow starthistle. *Biocontrol* 50: 525-541.
- Vaeck, M., A. Reynaerts, H. Hofte, S. Jansens, M. de Beuckeleer, C. Dean, M. Zabeau, M. van Montagu, and J. Leemans. 1987. Transgenic plants protected from insect attack. *Nature* 328 (6125): 33-37.
- Valicente F. H. and R. J. O'Neil. 1995. Effects of host plants and prey on selected life history characteristics of *Podisus maculiventris*. *Biological Control* 5: 449-461
- Van, T. K., M. B. Rayachhetry, and T. D. Center. 2000. Estimating above-ground biomass of *Melaleuca quinquenervia* in Florida, USA. *Journal of Aquatic Plant Management* 38: 62-67.
- van Alphen, J. J. M. 1988. Patch-time allocation by insect parasitoids: superparasitism and aggregation, pp. 125-221. In: de Jong, G. (ed.). *Population Genetics and Evolution*. Springer-Verlag, Berlin, Germany.
- van Alphen, J. J. M. and F. Galis. 1983. Patch time allocation and parasitization efficiency of *Asobara tabida* Nees, a larval parasitoid of *Drosophila*. *Journal of Animal Ecology* 52: 937-952.
- van Alphen, J. J. M. and H. H. van Harsel. 1982. Host selection by *Asobara tabida* Nees (Braconidae: Alysiinae), a larval parasitoid of fruit inhabiting *Drosophila* species. III. Host species selection and functional response, pp. 61-93. In: van Alphen, J. J. M.. *Foraging Behaviour*

- of *Asobara tabida*, a Larval Parasitoid of *Drosophilidae*. Ph.D. Dissertation, University of Leiden, The Netherlands.
- van Alphen, J. J. M. and M. A. Jervis. 1996. Foraging behavior, pp. 1-62. *In*: Jervis, M. and N. Kidd (eds.). *Insect Natural Enemies: Practical Approaches to their Study and Evaluation*. Chapman and Hill, London.
- van Alphen, J. J. M. and L. E. M. Vet. 1986. An evolutionary approach to host finding and selection, pp. 23-61. *In*: Waage, J. K. and D. Greathead (eds.). 1986. *Insect Parasitoids*. Academic Press, London.
- van Belkum, A., J. Kluytmans, W. van Leeuwen, R. Bax, W. Quint, E. Peters, A. Fluit, C. Vandebroucke-Grauls, A. van den Brule, and H. Koeleman. 1995. Multicenter evaluation of arbitrarily primed PCR for typing of *Staphylococcus aureus* strains. *Journal of Clinical Microbiology* 33: 1537-1547.
- van Bergeijk, K. E., F. Bigler, N. K. Kaashoek, and G. A. Pak. 1989. Changes in host acceptance and host suitability as an effect of rearing *Trichogramma maidis* on a factitious host. *Entomologia Experimentalis et Applicata* 52: 229-238.
- van de Vrie, M. and A. Boersma. 1970. The influence of the predaceous mite *Typhlodromus (A.) potentillae* (Garman) on the population development of *Panonychus ulmi* (Koch) on apple grown under various nitrogen conditions. *Entomophaga* 15: 291-304.
- van de Vrie, M., J. A. McMurtry, and C. B. Huffaker. 1972. Ecology of tetranychid mites and their natural enemies: A review. III. Biology, ecology, and pest status, and host-plant relations of tetranychids. *Hilgardia* 41(13): 343-432.
- van den Berg, M. A. 1977. Natural enemies of certain Acacias in Australia, pp. 75-82. *In*: *Proceedings of the 2nd National Weeds Conference of South Africa*, 2-4 Feb. 1977, Stellenbosch, South Africa. A. A. Balkema, Cape Town, South Africa.
- van den Berg, H. 1993. Natural control of *Helicoverpa armigera* in smallholder crops in East Africa. Ph.D. dissertation, Department of Entomology, University of Wageningen, Wageningen, The Netherlands.
- van den Berg, M. A., G. Höppner, and J. Greenland. 2000. An economic study of the biological control of the spiny blackfly, *Aleurocanthus spiniferus* (Hemiptera: Aleyrodidae), in a citrus orchard in Swaziland. *Biocontrol Science and Technology* 10: 27-32.
- van den Bosch, R., C. F. Lagace, and W. M. Stern. 1967. The interrelationship of the aphid *Acyrtosiphon pisum* and its parasite, *Aphidius smithi*, in a stable environment. *Ecology* 48: 993-1000.
- van den Bosch, R., R. D. Frazer, C. S. Davis, P. S. Messenger, and R. Hom. 1970. *Trioxys pallidus*: an effective new walnut aphid parasite from Iran. *California Agriculture* 24 (6): 8-10.
- Vandenberg, J. D. 1990. Safety of four entomopathogens for caged adult honey bees (Hymenoptera: Apidae). *Journal of Economic Entomology* 83: 755-759.
- van den Meiracker, R. A. F., W. N. O. Hammond, and J. J. M. van Alphen. 1990. The role of kairomones in prey finding by *Diomus* sp. and *Exochomus* sp., two coccinellid predators of the cassava mealybug, *Phenacoccus manihoti*. *Entomologia Experimentalis et Applicata* 56: 209-217.

- van der Zweerde, W. 1990. Biological control of aquatic weeds by means of phytophagous fish, pp. 201-221. *In*: Pieterse, A. H. and K. J. Murphy (eds.). 1990. *Aquatic Weeds: The Ecology and Management of Nuisance Aquatic Vegetation*. Oxford University Press, New York.
- van Dijken, M. J. and J. K. Waage. 1987. Self and conspecific superparasitism by the egg parasitoid *Trichogramma evanescens*. *Entomologia Experimentalis et Applicata* 43: 183-192.
- Van Driesche, R. G. 1983. The meaning of percent parasitism in studies of insect parasitoids. *Environmental Entomology* 12: 1611-1622.
- Van Driesche, R. G. 1988. Field levels of encapsulation and superparasitism for *Cotesia glomerata* (L.) (Hymen.:Braconidae) in *Pieris rapae* (L.) (Lep.: Pieridae). *Journal of the Kansas Entomological Society* 61: 328-331.
- Van Driesche, R. G. 1993. Methods for the field colonization of new biological control agents, pp. 67-86. *In*: Van Driesche, R. G. and T. S. Bellows, Jr. (eds.). *Steps in Classical Arthropod Biological Control*. Proceedings of the Thomas Say Publications in Entomology, Entomological Society of America, Lanham, Maryland, USA.
- Van Driesche, R. G. 1994. Classical biological control of environmental pests. *Florida Entomologist* 77: 20-33.
- Van Driesche, R. G. and T. S. Bellows, Jr. 1988. Use of host and parasitoid recruitment in quantifying losses from parasitism in insect populations with reference to *Pieris rapae* and *Cotesia glomerata*. *Ecological Entomology* 13: 215-222.
- Van Driesche, R. G. and T. S. Bellows, Jr. 1996. *Biological Control*. Chapman and Hall, New York.
- Van Driesche, R. G. and T. S. Bellows, Jr. 1993. *Steps in Classical Arthropod Biological Control*. Proceedings of the Thomas Say Publications in Entomology, Entomological Society of America, Lanham, Maryland, USA.
- Van Driesche, R. G. and E. Carey. 1987. *Opportunities for Increased Use of Biological Control in Massachusetts*. Massachusetts Agricultural Experiment Station Bulletin #718. Amherst, Massachusetts, USA.
- Van Driesche, R. G. and G. G. Gyrisco. 1979. Field studies of *Microctonus aethiopodes*, a parasite of the adult alfalfa weevil, *Hypera postica*, in New York. *Environmental Entomology* 8: 238-244.
- Van Driesche, R. G. and M. Hoddle. 1997. Should arthropod parasitoids and predators be subject to host range testing when used as biological control agents? *Agriculture and Human Values* 14: 211-226.
- Van Driesche, R. G. and C. Hulbert. 1984. Host acceptance and discrimination by *Comperia merceti* (Compere) (Hymenoptera: Encyrtidae) and evidence for an optimal density range for resource utilization. *Journal of Chemical Ecology* 10: 1399-1409.
- Van Driesche, R. G. and S. Lyon. 2003. Commercial adoption of biological control-based IPM for whiteflies in poinsettia. *Florida Entomologist* 86: 481-483.
- Van Driesche, R. G. and C. Nunn. 2002. Establishment of a Chinese strain of *Cotesia rubecula* (Hymenoptera: Braconidae) in the northeastern United States. *Florida Entomologist* 85: 386-388.

- Van Driesche, R. G. and C. Nunn. 2003. Status of euonymus scale in Massachusetts fourteen years after release of *Chilocorus kuwanae* (Coleoptera: Coccinellidae). *Florida Entomologist* 86: 384-385.
- Van Driesche, R. G. and G. Taub. 1983. Impact of parasitoids on *Phyllonorycter* leafminers infesting apple in Massachusetts, USA. *Protection Ecology* 5: 303-317.
- Van Driesche, R. G. and R. Reardon (eds.). 2004. *Assessing Host Ranges for Parasitoids and Predators Used for Classical Biological Control: A Guide to Best Practice*. USDA Forest Service, FHTET-2004-03. Morgantown, West Virginia, USA.
- Van Driesche, J. and R. G. Van Driesche. 2000. *Nature Out of Place: Biological Invasions in a Global Age*. Island Press, Covelo, California, USA.
- Van Driesche, J. P. and R. G. Van Driesche. 2001. Guilty until proven innocent: Preventing non-native species invasions. *Conservation Biology in Practice* 2(1): 8-17.
- Van Driesche, R. G., T. S. Bellows, Jr., D. N. Ferro, R. Hazzard, and A. Maher. 1989. Estimating stage survival from recruitment and density data, with reference to egg mortality in the Colorado potato beetle, *Leptinotarsa decemlineata* (Say) (Coleoptera: Chrysomelidae). *The Canadian Entomologist* 121: 291-300.
- Van Driesche, R. G., D. N. Ferro, E. Carey, and A. Maher. 1990. Assessing augmentative releases of parasitoids using the "recruitment method," with reference to *Edovum puttleri*, a parasitoid of the Colorado potato beetle [Coleoptera: Chrysomelidae]). *Entomophaga* 36: 193-204.
- Van Driesche, R. G., J. S. Elkinton, T. S. Bellows, Jr. 1994. Potential use of life tables to evaluate the impact of parasitism on population growth of the apple blotch leafminer (Lepidoptera: Gracillariidae), pp. 37-51. In: Maier, C. (ed.). *Integrated Management of Tentiform Leafminers, Phyllonorycter (Lepidoptera: Gracillariidae) spp. in North American Apple Orchards*. Thomas Say Publications in Entomology. Entomological Soc. of Am., Lanham, MD, U.S.A.
- Van Driesche, R.G., K. Idoine, M. Rose, and M. Bryan. 1998a. Release, establishment and spread of Asian natural enemies of euonymus scale (Homoptera: Diaspididae) in New England. *Florida Entomologist* 81: 1-9.
- Van Driesche, R. G., K. Idoine, M. Rose, and M. Bryan. 1998b. Evaluation of the effectiveness of *Chilocorus kuwanae* (Coleoptera: Coccinellidae) in suppressing euonymus scale (Homoptera: Diaspididae). *Biological Control* 12: 56-65.
- Van Driesche, R. G., S. Lyon, And C. Nunn. 2006. Compatibility of spinosad with predacious mites (Acari: Phytoseiidae) used to control western flower thrips (Thysanoptera: Thripidae) in greenhouse crops. *Florida Entomologist* 89: 396-401.
- Van Driesche, R. G., S. M. Lyon, M. S. Hoddle, S. Roy, and J. P. Sanderson. 1999. Assessment of cost and performance of *Eretmocerus eremicus* (Hymenoptera: Aphelinidae) for whitefly (Homoptera: Aleyrodidae) control in commercial poinsettia crops. *Florida Entomologist* 82: 570-594.
- Van Driesche, R. G., M. S. Hoddle, S. Lyon, and J. P. Sanderson. 2001. Compatibility of insect growth regulators with *Eretmocerus eremicus* (Hymenoptera: Aphelinidae) for whitefly control (Homoptera: Aleyrodidae) control on poinsettia: II. Trials in commercial poinsettia crops. *Biological Control* 20: 132-146.

- Van Driesche, R. G., B. Blossey, M. Hoddle, S. Lyon, and R. Reardon (eds.). 2002a. *Biological Control of Invasive Plants in the Eastern United States*. USDA Forest Service, FHTET-2002-04, Morgantown, West Virginia, USA.
- Van Driesche, R. G., S. Lyon, T. Smith, and P. Lopes. 2002b. Use of *Amblyseius cucumeris* in greenhouse bedding plants for thrips control – is mechanical application better? *Proceedings of the Working Groups Meeting*, May 6-9, 2002, Victoria, British Columbia, Canada. *IOBC WPRS Bulletin* 25 (1): 273-276.
- Van Driesche, R. G., S. Lyon, K. Jacques, T. Smith, and P. Lopes. 2002c. Comparative cost of chemical and biological whitefly control in poinsettia: is there a gap? *Florida Entomologist* 85: 488-493.
- Van Driesche, R. G., S. Lyon, and C. Nunn. 2006. Compatibility of spinosad with predaceous mites (Acari: Phytoseiidae) used to control of western flower thrips (Thysanoptera: Thripidae) in greenhouse crops. *Florida Entomologist* 89: 396-401.
- Van Driesche, R. G., S. Lyon, E. J. Stanek III, Bo Xu, and C. Nunn. 2006. Evaluation of efficacy of *Neoseiulus cucumeris* for control of western flower thrips in spring bedding crops. *Biological Control* 36: 203-215.
- van Essen, F. W. and S. C. Hembree. 1980. Laboratory bioassay of *Bacillus thuringiensis israelensis* against all instars of *Aedes aegypti* and *Aedes taeniorhynchus* larvae. *Mosquito News* 40 (3): 424-431.
- van Klinken, R. D. 2000. Host specificity testing: why do we do it and how we can do it better? pp. 54-68. *In: Van Driesche, R. G., T. Heard, A. McClay, and R. Reardon (eds.). Proceedings of Session: Host Specificity Testing of Exotic Arthropod Biological Control Agents – the Biological Basis for Improvement in Safety*. FHTET-99-1. United States Department of Agriculture Forest Service, Morgantown, West Virginia, USA.
- van Klinken, R. D., G. Fichera, and H. Cordo. 2003. Targeting biological control across diverse landscapes: the release, establishment, and early success of two insects on mesquite (*Prosopis* spp.) insects in Australian rangelands. *Biological Control* 26: 8-20.
- van Lenteren, J. C. 1989. Implementation and commercialization of biological control in western Europe. Proceedings and Abstracts. International Symposium of Biological Control Implementation. *North American Plant Protection Bulletin* 6: 50-70.
- van Lenteren, J. C. 1991. Encounters with parasitized hosts: to leave or not to leave a patch. *Netherlands Journal of Zoology* 41: 144-157.
- van Lenteren, J. C. 1995. Integrated pest management in protected crops, pp. 311-343. *In: Dent, D. R. (ed.). Integrated Pest Management: Principles and Systems Development*. Chapman and Hall, London.
- van Lenteren, J. C. 2000a. A greenhouse without pesticides: fact or fantasy? *Crop Protection* 19: 375-384.
- van Lenteren, J. C. 2000b. Measures of success in biological control of arthropods by augmentation of natural enemies, pp. 77-103. *In: Gurr, G. and S. Wratten (eds.). Measures of Success in Biological Control*. Kluwer Academic Publishers, Dordrecht, The Netherlands.
- van Lenteren, J. C. 2003. *Quality Control and Production of Biological Control Agents: Theory and Testing Procedures*. CABI Publishing, Wallingford, United Kingdom.

- van Lenteren, J. C. and A. J. M. Loomans. 2006. Environmental risk assessment: methods for comprehensive evaluation and quick scan, pp. 254-272. *In: Bigler, F., D. Babendreier and U. Kuhlmann (eds.). Environmental Impact of Invertebrates for Biological Control of Arthropods.* Cabi Publishing, Wallingford, United Kingdom.
- van Lenteren, J. C. and J. Woets. 1988. Biological and integrated control in greenhouses. *Annual Review of Entomology* 33:239-269.
- van Lenteren, J. C. and V. H. P. Bueno. 2003. Augmentative biological control of arthropods in Latin America. *BioControl* 48:123-139.
- van Lenteren, J. C., J. Woets, N. Van Der Poel, W. Van Boxtel, S. Van De Merendonk, R. Van der Kamp, H. Nell, and L. Sevenste-van der Lelie. 1977. Biological control of the greenhouse whitefly *Trialeurodes vaporariorum* (Westwood) (Homoptera: Aleyrodidae) by *Encarsia formosa* Gahan (Hymenoptera: Aphelinidae) in Holland, an example of successful applied ecological research. *Mededlingen Faculteit Landbouwwetenschappen, Rijksuniversiteit Gent* 42: 1333-1342.
- van Lenteren, J. C., D. Babendreier, F. Bigler, G. Burgio, H. M. T. Hokkanen, S. Kuske, A. J. M. Loomans, I. Menzler-Hokkanen, P. C. J. van Rijn, M. B. Thomas, M. G. Tommasini, and Q.-Q. Zeng. 2003. Environmental risk assessment of exotic natural enemies used in inundative biological control. *BioControl* 48: 3-38.
- van Lenteren, J. C., J. Bale, F. Bigler, H. M. T. Hokkanen, and A. J. M. Loomans. 2006a. Assessing risks of releasing exotic biological control agents of arthropod pests. *Annual Review of Entomology* 51: 609-634.
- Van Lenteren, J. C., M. J. W. Cock, T. S. Hoffmeister, and D. P. A. Sands. 2006b. Host specificity in arthropod biological control, methods for testing and interpretation of the data, pp. 38-63. *In: Bigler, F., D. Babendreier and U. Kuhlmann (eds.). Environmental Impact of Invertebrates for Biological Control of Arthropods.* Cabi Publishing, Wallingford, United Kingdom.
- van Rensburg, P. J. J., J. D. Skinner, and R. J. van Aarde. 1987. Effects of feline panleucopaenia on the population characteristics of feral cats on Marion Island. *Journal of Applied Ecology* 24: 63-73.
- Van Veen, F. F. J., R. J. Morris, and H. C. J. Godfray. 2006. Apparent competition, quantitative food webs, and the structure of phytophagous insect communities. *Annual Review of Entomology* 51: 187-208.
- van Wilgen, B. W., M. P. de Wit, H. J. Anderson, D. C. Le Maitre, I. M. Kotze, S. Ndala, B. Brown, and M. B. Rapholo. 2004. Costs and benefits of biological control of invasive alien plants: case studies from South Africa. *South African Journal of Science* 100: 113-122.
- van Winkelhoff, A. J. and C. W. McCoy. 1984. Conidiation of *Hirsutella thompsonii* var. *synnematos* in submerged culture. *Journal of Invertebrate Pathology* 43: 59-68.
- van Zon, J. C. J. 1977. Status of biotic agents, other than insects or pathogens, as biocontrols, pp. 245-250. *In: Freeman, T. E. (ed.). Proceedings of the IVth International Symposium on Biological Control of Weeds, 30 Aug. - 2 Sept. 1976, Gainesville, Florida.* Institute of Food and Agricultural Sciences, University of Florida, Gainesville, Florida, USA.
- Vargas, T. V., A. Mora O. y A. García C. 1995. Desarrollo de la hidrila *Hydrilla verticillata* (L. f.) Royle y su control, pp. 30-55. *En: Jornada Técnica de Investigación y Transferencia de*

- Tecnología para los Distritos de Riego de Tamaulipas*. Facultad de Agronomía, Universidad Autónoma de Tamaulipas. México.
- Vargas, T. V., J. Gutiérrez L., O. Camarena M., J. A. Aguilar Z. y A. Mora O. 2001. Biocontrol de malezas acuáticas y su relación con parámetros físico-químicos de agua y sedimento en distritos de riego, p. 283. *Memorias XV Congreso de la Asociación Latinoamericana de Malezas*. Maracaibo, Venezuela.
- Vargas-Camplis, J., E. M. Cortez, L. A. R del Bosque, and R. J. Coleman. 2000. Impact of *Catolaccus grandis* Burks (Hymenoptera: Pteromalidae) field release on cotton boll weevil in the Huasteca region of Mexico, pp. 1195-1197. *In: Dugger, P. and D. Richter (ed.). 2000 Proceedings Beltwide Cotton Conferences*, San Antonio, Texas, USA, 4-8, January, 2000. Vol. 2, National Cotton Council, Memphis, Tennessee.
- Varley, G. C. and C. R. Gradwell. 1960. Key factors in insect population studies. *Journal of Animal Ecology* 29: 399-401.
- Varley, G. C. and G. R. Gradwell. 1968. Population models for the winter moth, pp. 132-142. *In: Southwood, T. R. E. (ed.). Symposia of the Royal Entomological Society of London No. 4: Insect Abundance*. Blackwell Scientific Publications, Oxford, United Kingdom.
- Varley, G. C. and C. R. Gradwell. 1970. Recent advances in insect population dynamics. *Annual Review of Entomology* 15: 1-24.
- Varley, G. C. and C. R. Gradwell. 1971. The use of models and life tables in assessing the role of natural enemies, pp. 93-110. *In: Huffaker, C. B. (ed.). Biological Control*. Plenum Press, New York.
- Varley, G. C., G. R. Gradwell, and M. P. Hassell. 1973. *Insect Population Ecology*. Blackwell Scientific Publications, Oxford, United Kingdom.
- Vaughan, M. A. 1992. International biocontrol cooperation within Latin America, pp. 7- 38. *In: Coulson J.R. and M.C. Zapater (eds.). Opportunities for Implementation of BioControl in Latin America*. IOBC. Buenos Aires, Argentina.
- Vavre, F., J. H. de Jong, and R. Stouthamer. 2004. Cytogenetic mechanism and genetic consequences of thelytoky in the wasp *Trichogramma cacoeciae*. *Heredity* 93: 592-596.
- Vazquez, R. J., S. D. Porter, and J. A. Briano. 2004. Host specificity of a new biotype of the fire ant decapitating fly *Pseudacteon curvatus* from northern Argentina. *Environmental Entomology* 33: 1436-1441.
- Veitch, C. R. 1985. Methods of eradicating feral cats from offshore islands in New Zealand, pp. 125-141. *In: Moors, P. J. (ed.). Conservation of Island Birds: Case Studies for the Management of Threatened Island Species*. Proceedings of a symposium held at the XVIII ICBP World Conference in Cambridge, England, 1982. ICBP Technical Publication No. 3.
- Veitch, C. R. and M. N. Cout (eds.). 2002. *Turning the Tide: the Eradication of Invasive Species*. IUCN SSC Invasive Species Specialist Group. IUCN, Gland, Switzerland and Cambridge, United Kingdom. On line at <http://www.hear.org/articles/turningthetide/turningthetide.pdf>
- Velu, T. S. and T. Kumaraswami. 1990. Studies on “skip row coverage” against bollworm damage and parasite emergence in cotton. *Entomon* 15: 69-73.

- Venditti, M. E., and K. L. Steffey. 2003. Field effects of Bt corn on the impact of parasitoids and pathogens on European corn borer in Illinois, pp. 278-283. *In: Van Driesche, R. G. (ed.). Proceedings of the 1st International Symposium on Biological Control of Arthropods*, January 14-18, Honolulu, Hawaii, USA. USDA Forest Service, Morgantown, West Virginia, USA.
- Vennila, S. and S. Easwaramoorthy. 1997. Disc gel electrophoresis in evaluating spiders for their predatory role in sugarcane ecosystem. *Journal of Biological Control* 9: 123-124.
- Vera, M. T., R. Rodriguez, D. F. Segura, J. L. Cladera, and R. W. Sutherst. 2002. Potential geographical distribution of the Mediterranean fruit fly, *Ceratitidis capitata* (Diptera: Tephritidae), with emphasis on Argentina and Australia. *Environmental Entomology* 31: 1009-1022.
- Vercher, R., J. Costa-Comelles, C. Marzal, and F. Gracia-Mari. 2005. Recruitment of native parasitoid species by the invading leafminer *Phyllocnistis citrella* (Lepidoptera: Gracillariidae) on citrus in Spain. *Environmental Entomology* 34: 1129-1138.
- Vere, D. T., R. E. Jones, and G. Saunders. 2004. The economic benefits of rabbit control in Australian temperate pastures by the introduction of rabbit haemorrhagic disease. *Agricultural Economics* 30: 143-155.
- Verhulst, P. F. 1838. Notice sur la loi que la population suit dans son accroissement. *Correspondance Mathematique et Physique* 10: 113-121.
- Versfeld, D. B. and B. W. van Wilgen. 1986. Impact of woody aliens on ecosystem properties, pp. 239-246. *In: MacDonald, I. A. W., F. J. Kruger, and A. A. Ferrar (eds.). The Ecology and Management of Biological Invasions in Southern Africa*. Oxford University Press, Cape Town, South Africa.
- Vet, L. E. M. 1985. Response to kairomones by some alysiine and eucoilid parasitoid species (Hymenoptera). *Netherlands Journal of Zoology* 35: 486-496.
- Vet, L. E. M. and K. Bakker. 1985. A comparative functional approach to the host detection behaviour of parasitic wasps. 2. A quantitative study on eight eucoilid species. *Oikos* 44: 487-498.
- Vet, L. E. M. and M. Dicke. 1992. Ecology of infochemical use in a tritrophic level context. *Annual Review of Entomology* 37: 141-172.
- Vet, L. E. M., F. L. Wäckers, and M. Dicke. 1991. How to hunt for hiding hosts: the reliability-detectability problem in foraging parasitoids. *Netherlands Journal of Zoology* 41: 202-213.
- Vet, L. E. M., W. J. Lewis, and R. T. Cardé. 1995. Parasitoid foraging and learning, pp. 65-101. *In: Cardé, R. T. and W. J. Bell (eds.). Chemical Ecology of Insects*. Chapman and Hall, New York.
- Vickery, W. L. 1991. An evaluation of bias in k-factor analysis. *Oecologia* 85: 413-418.
- Viggiani, G. 1984. Bionomics of the Aphelinidae. *Annual Review of Entomology* 29: 257-276.
- Vigueras, A. L. and L. Portillo. 2001. Uses of *Opuntia* species and the potential impact of *Cactoblastis cactorum* (Lepidoptera: Pyralidae) in Mexico. *Florida Entomologist* 84: 493-498.
- Villablanca, F. X., G. K. Roderick, and S. R. Paliumbi. 1998. Invasion genetics of the Mediterranean fruit fly: variation in multiple nuclear introns. *Molecular Ecology* 7: 547-560.
- Villaneuva, R. T. and C. C. Childers. 2004. Phytoseiidae increase with pollen deposition on citrus leaves. *Florida Entomologist* 87: 609-611.

- Vink, C. J., C. B. Philips, A. D. Mitchell, L. M. Winder, and R. P. Cane. 2003. Genetic variation in *Microctonus aethiopoulos* (Hymenoptera: Braconidae). *Biological Control* 28: 251-264.
- Vinson, S. B. 1976. Host selection by insect parasitoids. *Annual Review of Entomology* 21: 109-133.
- Vinson, S. B. 1981. Habitat location, pp. 51-77. *In*: Nordlund, D.A., R. J. Jones, and W. J. Lewis (eds.). *Semiochemicals, Their Role in Pest Control*. John Wiley and Sons, New York.
- Vinson, S. B. 1984. How parasitoids locate their hosts: a case of insect espionage, pp. 325-348. *In*: Lewis, T. (ed.). *Insect Communication*, Academic Press, London.
- Vinson, S. B. 1990. Potential impact of microbial insecticides on beneficial arthropods in the terrestrial environment, pp. 43-64. *In*: Laird, M., L. A. Lacey, and E. W. Davidson (eds.). *Safety of Microbial Insecticides*. CRC Press, Inc. Boca Raton, Florida, USA
- Vinson, S. B. 1991. Chemical signals used by parasitoids. *Redia* 74: 15-42.
- Vinson, S. B. 1999. Parasitoid manipulation as a plant defense strategy. *Annals of the Entomological Society of America* 92: 812-828.
- Vinson, S. B. and F. S. Guillet. 1972. Host marking: source of a substance that results in host discrimination in insect parasitoids. *Entomophaga* 17: 241-245.
- Vinson, S. B. and G. F. Iwantsch 1980. Host suitability for insect parasitoids. *Annual Review of Entomology* 25: 397-419.
- Vitousek, P. M. 1986. Biological invasions and ecosystem properties: can species make a difference? pp. 163-176. *In*: Mooney, H. A. and J. A. Drake (eds.). *Ecology of Biological Invasions of North America and Hawaii*. Springer-Verlag, New York.
- Vitousek, P. M. 1990. Biological invasions and ecosystem process: towards an integration of population biology and ecosystem studies. *Oikos* 57: 7-13.
- Vitousek, P. M., C. M. D'Antonio, L. L. Loope, and R. Westbrooks. 1996. Biological invasions as global environmental change. *American Scientist* 84: 468-478.
- Voegele, J. M. 1989. Biological control of *Brontispa longissima* in Western Samoa: an ecological and economic evaluation. *Agriculture, Ecosystems, and Environment* 27: 315-329.
- Vogler, W. and A. Lindsay. 2002. The impact of the rust fungus *Maravalia cryptostegiae* on three rubber vine (*Cryptosegia grandiflora*) populations in tropical Queensland, pp. 180-182. *In*: Jacob, H. S., J. Dodd, and J. H. Moore (eds.). *Proceedings of the 13th Australian Weeds Conference: Weeds "Threats Now and Forever?"* Perth, Australia, September 8-13, 2002. Plant Protection Society of Western Australia, Perth, Australia.
- Vogt, H. 1994. Pesticides and beneficial organisms. *Bulletin of IOBC/WPRS* 17(10): 1-178
- Völkl, W. 1994. The effect of ant-attendance on the foraging behaviour of the aphid parasitoid *Lysiphlebus cardui*. *Oikos* 70: 149-155.
- Volterra, V. 1926. Fluctuations in the abundance of a species considered mathematically. *Nature* 118: 558-560.
- Vorley, V. T. and S. D. Wratten. 1987. Migration of parasitoids (Hymenoptera: Braconidae) of cereal aphids (Hemiptera: Aphididae) between grassland, early-sown cereals and late-sown cereals in southern England. *Bulletin of Entomological Research* 77: 555-568.

- Vos, P., R. Hogers, M. Bleeker, M. Reijans, Th. Lee, M. van der Hornes, A. Frijters, J. Pot, J. Peleman, M. Kuiper, and M. Zabeau. 1995. AFLP: a new technique for DNA fingerprinting. *Nucleic Acids Research* 23: 4407-4414.
- Waage, J. K. 1978. Arrestment responses of the parasitoid *Nemeritis canescens* to a contact chemical produced by its host, *Plodia interpunctella*. *Physiological Entomology* 3: 135-146.
- Waage, J. K. 1979. Foraging for patchily distributed hosts by the parasitoid *Nemeritis canescens*. *Journal of Animal Ecology* 48: 353-371.
- Waage, J. K. 1983. Aggregation in field parasitoid populations: foraging time allocation by a population of *Diadegma* (Hymenoptera: Ichneumonidae). *Ecological Entomology* 8: 447-453.
- Waage, J. K. 1986. Family planning in parasitoids: adaptive patterns of progeny and sex allocation, pp. 63-95. *In*: Waage, J. K. and D. Greathead (eds.). *Insect Parasitoids*. Academic Press, London.
- Waage, J. K. 1989. The population ecology of pest-pesticide-natural enemy interactions, pp. 81-93. *In*: Jepson, P. C. (ed.). *Pesticides and Non-Target Invertebrates*. Intercept, Wimborne, United Kingdom.
- Waage, J. K. 1990. Ecological theory and the selection of biological control agents, pp. 135-157. *In*: Mackauer, M. and L. E. Ehler (eds.). *Critical Issues in Biological Control*. Intercept, Andover, United Kingdom.
- Waage, J. K. and D. Greathead (eds.). 1986. *Insect Parasitoids*. Academic Press, London.
- Waage, J. K. and J. A. Lane. 1984. The reproductive strategy of a parasitic wasp. II. Sex allocation and local mate competition in *Trichogramma evaescens*. *Journal of Animal Ecology* 53: 417-426.
- Wäckers, F. L. and W. J. Lewis. 1994. Olfactory and visual learning and their combined influence on host site location by the parasitoid *Microplitis croceipes* (Cresson). *Biological Control* 4: 105-112.
- Wäckers, F. L., P.C. J. van Rijn, and J. Bruin (eds.). 2005. Plant-provided Food for Carnivorous Insects: A Protective Mutualism and Its Applications. Cambridge University Press, Cambridge, United Kingdom.
- Wagner, D. L., J. W. Peacock, J. L. Carter, and S. E. Talley. 1996. Field assessment of *Bacillus thuringiensis* on nontarget Lepidoptera. *Environmental Entomology* 25: 1444-1454.
- Wahid, M. B., S. Ismail, and N. Kamarudin. 1996. The extent of biological control of rats with barn owls, *Tyto alba javanica*, in Malaysian oil palm plantations. *The Planter* 72: 5-18.
- Wainhouse, D., T. Wyatt, A. Phillips, D. R. Kelly, M. Barghian, P. Beech-Garwood, D. Cross, and R. S. Howell. 1991. Responses of the predator *Rhizophagous grandis* to host plant derived chemicals in *Dendroctonus micans* larval frass in wind tunnel experiments (Coleoptera: Rhizophagidae, Scolytidae). *Chemoecology* 2: 53-63.
- Waite, G. K. 2001. Managing spider mites in field-grown strawberries using *Phytoseiulus persimilis* and the "pest-in-first" technique, pp. 381-386. *In*: Halliday, R. B., D. E. Walter, H. C. Proctor, R. A. Norton, and M. J. Colloff. *Acarology: Proceedings of the 10th International Congress*. CSIRO Publishing, Collingwood, Queensland, Australia.

- Wallace, M. S. and F. P. Hain. 2000. Field surveys and evaluation of native and established predators of the hemlock woolly adelgid (Homoptera: Adelgidae) in the southeastern United States. *Environmental Entomologist* 29: 638-644.
- Walter, D. and H. Proctor. 1999. *Mites: Ecology, Evolution, and Behavior*. CABI Publishing, New York.
- Walter, D. E. and D. J. O'Dowd. 1992. Leaf morphology and predators: effects of leaf domatia on the abundance of predatory mites (Acari: Phytoseiidae). *Environmental Entomology* 21: 478-484.
- Wan, F. H. and P. Harris. 1997. Use of risk analysis for screening weed biocontrol agents: *Altica carduorum* Guer. (Coleoptera: Chrysomelidae) from China as a biocontrol agent of *Cirsium arvense* (L.) Scop. in North America. *Biocontrol Science and Technology* 7: 299-308.
- Wan, F. H., J. Ma, J. Y. Guo, and L. S. You. 2003. Integrated control effects of *Epiblema stenuana* (Lepidoptera: Tortricidae) and *Ostrinia orientalis* (Lepidoptera: Pyralidae) against ragweed, *Ambrosia artemisiifolia* (Compositae). *Acta Entomologica Sinica* 46: 473-478.
- Wang, B.-D., D. N. Ferro, and D. W. Hosmer. 1999. Effectiveness of *Trichogramma ostrinae* and *T. nubilale* for controlling the European corn borer *Ostrinia nubilalis* in sweet corn. *Entomologia Experimentalis et Applicata* 91: 297-303.
- Wang, S. 2001. Research progress in *Trichogramma* mass rearing by using artificial host eggs. *Plant Protection Technology and Extension* 21: 40-41.
- Wang, X. G. and M. A. Keller. 2005. Patch allocation by the parasitoid *Diadegma semiclausum* (Hymenoptera: Ichneumonidae). II. Effects of host density and distribution. *Journal of Insect Behavior* 18: 171-186.
- Wang, Z. Y., K. L. He, J. Z. Zhao, and D. R. Zhou. 2003. Implementation of integrated pest management in China, pp. 197-207. In: Maredia, K. M., D. Dakouo and D. Mota-Sanchez (eds.). *Integrated Pest Management in the Global Arena*. CABI Publishing, Wallingford, United Kingdom.
- Wang, Z., K. He, and S. Yan. 2005. Large-scale augmentative biological control of Asian corn borer using *Trichogramma* in China: a success story, pp. 487-494. In: Hoddle, M. S. (ed.). *2nd International Symposium on Biological Control of Arthropods*, September 12-16, 2005, Davos, Switzerland. FHTET-2005-08. United States Department of Agriculture, Forest Service, Morgantown, West Virginia, USA.
- Wapshere, A. J. 1970. The assessment of the biological control potential of organisms for controlling weeds: Introduction to the subject, pp. 79-80. In: Simmonds, F. J. (ed.). *Proceedings of the First International Symposium on Biological Control of Weeds*, 6-8 March 1969, Delemont, Switzerland. Commonwealth Institute of Biological Control Miscellaneous Publication No. 1, Commonwealth Agricultural Bureau, Slough, United Kingdom.
- Wapshere, A. J. 1974a. A strategy for evaluating the safety of organisms for biological control of weeds. *Annals of Applied Biology* 77: 201-211.
- Wapshere, A. J. 1974b. Host specificity of phytophagous organisms and the evolutionary centres of plant genera or sub-genera. *Entomophaga* 19: 301-309.
- Wapshere, A. J. 1985. Effectiveness of biological control agents for weeds: present quandries. *Agriculture, Ecosystems and Environment* 13: 261-280.

- Wapshere, A. J. 1989. A testing sequence for reducing the rejection of potential biological control agents for weeds. *Annals of Applied Biology* 114: 515-526.
- Wapshere, A. J., E. S. Delfosse, and J. M. Cullen. 1989. Recent developments in biological control of weeds. *Crop Protection* 8: 227-250.
- Wardle, A. R. and J. H. Borden. 1989. Learning of an olfactory stimulus associated with a host microhabitat by *Exeristes roborator*. *Entomologia Experimentalis et Applicata* 52: 271-279.
- Wardle, A. R. and J. H. Borden. 1990. Learning of host microhabitat by *Exeristes roborator* (F.) (Hymenoptera: Ichneumonidae). *Journal of Insect Behavior* 3: 251-263.
- Waterhouse, D. F. 1998. *Biological Control of Insect Pests: Southeast Asian Prospects*. ACIAR, Canberra, Australia.
- Waterhouse, D. F. and K. R. Norris. 1987. *Biological Control, Pacific Prospects*. Australian Centre for International Agricultural Research, Inkata Press, Melbourne, Australia.
- Waterhouse, D. F. and D. P. A. Sands. 2001. *Classical Biological Control of Arthropods in Australia*. CSIRO Entomology, Australian Centre for International Agricultural Research, Canberra, Australia.
- Waterhouse, G. M. 1973. Entomophthorales, pp. 219-229. *In: Ainsworth, G. C., F. K. Sparrow, and A. S. Sussman (eds.). The Fungi: An Advanced Treatise, Vol. 4B*. Academic Press, New York.
- Waters, W. E., A. T. Brooz, and H. Pschorn-Walcher. 1976. Biological control of pests of broad-leaved forests and woodlands, pp. 313-336. *In: Huffaker, C. B. and P. S. Messenger (eds.). Theory and Practice of Biological Control*. Academic Press, New York.
- Waterspinach website (<http://www.iisgcp.org/EXOTICSP/waterspinach.htm#origin>) (accessed November 2, 2004)
- Watson, A. K. 1991. The classical approach with plant pathogens, pp. 3-23. *In: TeBeest, D.O. (ed.). Microbial Control of Weeds*. Chapman and Hall, New York.
- Watson, A. K. and A. J. Renney. 1974. The biology of Canadian weeds. 6. *Centaurea diffusa* and *C. maculosa*. *Canadian Journal of Plant Science* 54: 687-701.
- Watson, A. K. and W. E. Sackston. 1985. Plant pathogen containment (quarantine) facility at Mcdonald College. *Canadian Journal of Plant Pathology* 7: 177-180.
- Watt, K. E. F. 1964. Density dependence in population fluctuations. *The Canadian Entomologist* 96: 1147-1148.
- Way, M. J., M. E. Cammell, B. Bolton, and P. Kanagaratnam. 1989. Ants (Hymenoptera: Formicidae) as egg predators of coconut pests, especially in relation to biological control of the coconut caterpillar, *Opisina arenosella* Walker (Lepidoptera: Xyloryctidae) in Sri Lanka. *Bulletin of Entomological Research* 79: 219-233.
- Webb, R. E., G. B. White, K. W. Thorpe, and S. E. Talley. 1999. Quantitative analysis of a pathogen-induced premature collapse of a "leading edge" gypsy moth (Lepidoptera: Lymantriidae) population in Virginia. *Journal of Entomological Science* 34: 84-100.
- Weeks, A. R., R. Velten, and R. Stouthamer. 2003. Incidence of a new sex-ratio-distorting endosymbiotic bacterium among arthropods. *Proceedings of the Royal Society, London B* 270: 1857-1865.

- Wehling, W. F. and G. L. Piper. 1988. Efficacy diminution of the rush skeletonweed gall midge, *Cystiphora schmidti* (Diptera: Cecidomyiidae), by an indigenous parasitoid. *Pan-Pacific Entomologist* 64: 83-85.
- Wenziker, K. J., M. C. Calver, and T. L. Woodburn. 2003. Laboratory trials of the efficacy of the crown weevil *Mortadelo horridus* (Coleoptera: Curculionidae) for the biological control of slender thistles *Carduus pycnocephalus* and *C. tenuiflorus* in southwestern Australia. *Biocontrol Science and Technology* 13: 655-670.
- Welton, J. S. and M. Ladle. 1993. The experimental treatment of the blackfly *Simulium posticum* in the Dorset Stour using the biologically produced insecticide *Bacillus thuringiensis* var. *israelensis*. *Journal of Applied Ecology* 30: 772-782.
- Weppler, R. A., R. F. Luck, and J. G. Morse. 2003. Studies on rearing *Metaphycus helvolus* (Hymenoptera: Encyrtidae) for augmentative release against black scale (Homoptera: Coccidae) on citrus in California. *Biological Control* 28: 118-128.
- Wermelinger, B., J. J. Oertli, and V. Delucchi. 1985. Effect of host plant nitrogen fertilization on the biology of the two-spotted spider mite, *Tetranychus urticae*. *Entomologia Experimentalis et Applicata* 38: 23-28.
- Weseloh, R. M. 1972. Influence of gypsy moth egg mass dimensions and microhabitat distribution on parasitization by *Ooencyrtus kuwanai*. *Annals of the Entomological Society of America* 65: 64-69.
- Weseloh, R. M. 1974. Host recognition by the gypsy moth larval parasitoid *Apanteles melanoscelus*. *Annals of the Entomological Society of America* 67: 583-587.
- Weseloh, R. M. 1990. Simulation of litter residence times of young gypsy moth larvae and implications for predation by ants. *Entomologia Experimentalis et Applicata* 57: 215-221.
- West, R. J. and M. Kenis. 1997. Screening four exotic parasitoids as potential controls for the eastern hemlock looper, *Lambdina fiscellaria fiscellaria* (Guenée) (Lepidoptera: Geometridae). *The Canadian Entomologist* 129: 831-841.
- Westgard, H. and H. R. Moffitt. 1984. Natural control of the pear psylla (Homoptera: Psyllidae): impact of mating disruption with the sex pheromone for control of the codling moth (Lepidoptera: Tortricidae). *Journal of Economic Entomology* 77: 1520-1523.
- Whalon, M. E., B. A. Croft, and T. M. Mowry. 1982. Introduction and survival of susceptible and pyrethroid-resistant strains of *Amblyseius fallacis* (Acari: Phytoseiidae) in a Michigan apple orchard. *Environmental Entomology* 11: 1096-1099.
- Whalon, M. E. and B. A. Wingerd. 2003. Bt: mode of action and use. *Archives of Insect Biochemistry and Physiology* 54: 200-211.
- Wharton, R. A. 1993. Bionomics of the Braconidae. *Annual Review of Entomology* 38: 121-143.
- Wharton, R.A., P.M. Marsh, and M. Sharkey (eds.). 1997. *Manual of the New World Genera of the Family Braconidae (Hymenoptera)*. Special Publication Number 1 of the International Society of Hymenopterists. The International Society of Hymenopterists, Washington, D. C.
- Wheeler, G. S. 2005. Maintenance of a narrow host range by *Oxyops vitiosa*, a biological control agent of *Melaleuca quinquenervia*. *Biochemical Systematics and Ecology* 33: 365-383.

- Wheeler, G. S. and T. D. Center. 2001. Impact of the biological control agent *Hydrellia pakistanae* (Diptera: Ephydriidae) on the submersed aquatic weed *Hydrilla verticillata* (Hydrocharitaceae). *Biological Control* 21, 168-181.
- Wheeler, G. S., L. M. Massey, and I. A. Southwell. 2002. Antipredator defense of biological control agent *Oxyops vitiosa* is mediated by plant volatiles sequestered from the host plant *Melaleuca quinquenervia*. *Journal of Chemical Ecology* 28: 297-315.
- Wheeler, G. S., L. M. Massey, and I. A. Southwell. 2003. Dietary influences on terpenoids sequestered by the biological control agent *Oxyops vitiosa*: Effect of plant volatiles from different *Melaleuca quinquenervia* chemotypes and laboratory host species. *Journal of Chemical Ecology* 29: 189-208.
- Whistlecraft, J. W. and I. J. M. Lepard. 1989. Effect of flooding on survival of the onion fly *Delia antiqua* (Diptera: Anthomyiidae) and two parasitoids, *Aphaereta pallipes* (Hymenoptera: Braconidae) and *Aleochara bilineata* (Coleoptera: Staphylinidae). *Proceedings of the Entomological Society of Ontario* 120: 43-47.
- Whitcomb, W. H. 1981. The use of predators in insect control, pp. 105-123. In: Pimentel, D. (ed.). *CRC Handbook of Pest Management in Agriculture. Vol. II*. CRC Press, Inc., Boca Raton, Florida, USA.
- Whitcomb, W. H. and K. Bell. 1964. Predaceous insects, spiders, and mites of Arkansas cotton fields. *Bulletin of the Arkansas Experiment Station* No. 690.
- White, E. B., P. DeBach, and M. J. Garber. 1970. Artificial selection for genetic adaptation to temperature extremes in *Aphytis lignanensis* Compere. *Hilgardia* 40: 161-192.
- White, I. M. and V. A. Korneyev. 1989. A revision of the Western Palearctic species of *Urophora* Robineau-Desvoidy (Diptera: Tephritidae). *Systematic Entomology* 14: 327-374.
- White, T. C. R. 1993. *The Inadequate Environment: Nitrogen and the Abundance of Animals*. Springer-Verlag, New York.
- Whitfield, J. B. 1990. Parasitoids, polydnviruses, and endosymbiosis. *Parasitology Today* 6: 381-384.
- Wickremasinghe, M. G. V. and H. F. van Emden. 1992. Reactions of adult female parasitoids, particularly *Aphidius rhopalosiphi*, to volatile chemical cues from the host plants of their aphid prey. *Physiological Entomology* 17: 297-304.
- Wiedenmann, R.N. and R. J. O'Neil. 1990. Effects of low rates of predation on selected life-history characteristics of *Podisus maculiventris* (Say) (Heteroptera: Pentatomidae). *The Canadian Entomologist* 122: 271-283.
- Wiedenmann, R. N., J. C. Legaspi, and R. J. O'Neil. 1996. Impact of prey density and facultative plant feeding on the life history of the predator, *Podisus maculiventris* (Heteroptera: Pentatomidae), pp. 94-118. In: Alomar, O. and R. N. Wiedenmann (eds.). *Zoophytophagous Heteropterans*. Proceedings of Thomas Say Publications, Entomological Society of America, Lanham, Maryland, USA.
- Wiedenmann, R. N. and R. J. O'Neil. 1992. Searching strategy of the arthropod generalist predator, *Podisus maculiventris*. *Environmental Entomology* 21: 1-10.
- Wilder, J. W., N. Voorhis, J. J. Colbert, and A. Sharov. 1994. A three variable differential equation model for gypsy moth population dynamics. *Ecological Modelling* 72: 229-250

- Wilkes, A. 1947. The effects of selective breeding on the laboratory propagation of insect parasites. *Proceedings of the Royal Society of London (B)* 134: 227-245.
- Will, K. W. and D. Rubinoff. 2004. Myth of the molecule: DNA barcodes for species cannot replace morphology for identification and classification. *Cladistics* 20: 47-55.
- Williams, C. K. 1997. Development and use of virus-vectored immunocontraception. *Reproduction, Fertility and Development* 9: 169-78.
- Williams, C. K. and R. J. Moore. 1995. Effectiveness and cost-efficiency of control of the wild rabbit, *Oryctolagus cuniculus* (L.), by combinations of poisoning, ripping, fumigation, and maintenance fumigation. *Wildlife Research* 22: 253-269.
- Williams, C. L., S. L. Goldson, D. B. Baird, and D. W. Bullock. 1994. Geographical origin of an introduced insect pest, *Listronotus bonariensis* (Kuschel), determined by RAPD analysis. *Heredity* 72: 412-419.
- Williams, D. A., W. A. Overholt, J. P. Cuda, and C. R. Hughes. 2005. Chloroplast and microsatellite DNA diversities reveal the introduction history of Brazilian peppertree (*Schinus terebinthifolius*) in Florida. *Molecular Ecology* 14: 3643-3656.
- Williams, D. F. and W. A. Banks. 1987. *Pseudacteon obtusus* (Diptera: Phoridae) attacking *Solenopsis invicta* (Hymenoptera: Formicidae) in Brazil. *Psyche* 94: 9-13.
- Williams, D. F., D. H. Oi, S. D. Porter, R. M. Pereira, and J. A. Briano. 2003. Biological control of imported fire ants (Hymenoptera: Formicidae). *American Entomologist* 49 (3): 150-163.
- Williams, D. W. and A. M. Liebhold. 1995. Detection of delayed density dependence: effects of autocorrelation in an exogenous factor. *Ecology* 76: 1005-1008.
- Williams, D. W., R. W. Fuester, W. W. Balaam, R. J. Chianese, and R. C. Reardon. 1992. Incidence and ecological relationships of parasitism in larval populations of *Lymantria dispar*. *Biological Control* 2: 35-43.
- Williams, K.S., and J.H. Myers. 1984. Previous herbivore attack of red alder may improve food quality for fall webworm larvae. *Oecologia* 63: 166-170.
- Williams, M. R. 1999. *Cotton Crop Losses*. <http://www.msstate.edu/Entomology/CTNLOSS/1998loss.html>
- Williams, S. L. and S. L. Schroeder. 2003. Eradication of the invasive seaweed *Caulerpa taxifolia* by chlorine bleach. *Marine Ecology, Progress Series* 272: 69-76.
- Williamson, M. 1991. Biocontrol risks. *Nature* 353 (6343), p. 394.
- Williamson, M. 1993. Invaders, weeds, and the risk from genetically modified organisms. *Experimentia* 49: 219-224. (see p. 38, Table 2.5)
- Williamson, M. 1996. *Biological Invasions*. Chapman and Hall, London (see pages 31-43).
- Willis, A. J. and J. Memmott. 2005. The potential for indirect effects between a weed, one of its biocontrol agents and native herbivores: a food web approach. *Biological Control* 35: 299-306.
- Wilson, L. T., C. H. Pickett, D. L. Flaherty and T. A. Bates. 1989. French prune trees: refuge for grape leafhopper parasite. *California Agriculture* 43 (2): 7-8.
- Winder, J. A. and K. L. S. Harley. 1983. The phytophagous insects on lantana in Brazil and their potential for biological control in Australia. *Tropical Pest Management* 29: 346-362.

- Winder, L. 1990. Predation of the cereal aphid *Sitobion avenae* by polyphagous predators on the ground. *Ecological Entomology* 15: 105-110.
- Withers, T. M. and L. Barton Browne. 2004. Behavioral and physiological processes affecting outcomes of host range testing, pp. 40-55. *In: Van Driesche, R. G. and R. Reardon (eds.). Assessing Host Ranges for Parasitoids and Predators Used for Classical Biological Control: A Guide to Best Practice.* FHTET-2004-03, United States Department of Agriculture Forest Service, Morgantown, West Virginia, USA
- Withgott, J. 2002. California tries to rub out the monster of the lagoon. *Science* 295 (5563): 2201-2202.
- Woets, J. and J. C. van Lenteren. 1976. The parasite-host relationship between *Encarsia formosa* (Hym., Aphelinidae) and *Trialeurodes vaporariorum* (Hom., Aleyrodidae). VI. Influence of the host plant on the greenhouse whitefly and its parasite *Encarsia formosa*. *IOBC/WPRS Bulletin* 4: 151-164.
- Wolf, F. T. 1988. Entomophthorales and their parasitism of insects. *Nova Hedwigia* 46: 121-142.
- Wood, H. A. and R. R. Granados. 1991. Genetically engineered baculoviruses as agents for pest control. *Annual Review of Microbiology* 45: 69-87.
- Wood, H. A., P. R. Hughes, and A. Shelton. 1994. Field studies of the co-occlusion strategy with a genetically altered isolated of the *Autographica californica* nuclear polyhedrosis virus. *Environmental Entomology* 23: 211-219.
- Woodburn, T. L. 1993. Host specificity testing, release and establishment of *Urophora solstitialis* (L.) (Diptera: Tephritidae), a potential biological control agent for *Carduus nutans* L., in Australia. *Biocontrol Science and Technology* 3: 419-426.
- Woodring, J. L. and H. K. Kaya. 1988. Steinernematid and heterorhabditid nematodes: a handbook of techniques. Southern Cooperative Series Bulletin 331, Arkansas Agricultural Experimental Station, Fayetteville, Arkansas, USA.
- Woods, S. and J. S. Elkinton. 1987. Bimodal patterns of mortality from nuclear polyhedrosis virus in gypsy moth (*Lymantria dispar*) populations. *Journal of Invertebrate Pathology* 50: 151-157.
- Wootton, J. T. 1994. The nature and consequences of indirect effects in ecological communities. *Annual Review of Ecology and Systematics* 25: 443-466.
- Work, T. T., D. G. McCullough, J. F. Cavey, and R. Komosa. 2005. Arrival rate of nonindigenous insect species into the United States through foreign trade. *Biological Invasions* 7: 323-332.
- Wraight, S. P., D. Molloy, and H. Jamback. 1981. Efficacy of *Bacillus sphaericus* strain 1593 against the four instars of laboratory reared and field collected *Culex pipiens pipiens* and laboratory reared *Culex salinarius*. *The Canadian Entomologist* 113: 379-386.
- Wratten, S. D. 1987. The effectiveness of native natural enemies, pp. 89-112. *In: Burn, A. J., T. H. Croaker, and P. C. Jepson (eds.). Integrated Pest Management.* Academic Press, London.
- Wratten, S., L. Berndt, G. Gurr, J. Tylianakis, P. Fernando, and R. Didham. 2002. Adding floral diversity to enhance parasitoid fitness and efficacy, pp. 211-214. *In: Van Driesche, R. G. (ed.). Proceedings of the First International Symposium on Biological Control of Arthropods*, January

- 14-18, 2002, Honolulu, Hawaii, USA. FHTET-03-05. United States Forest Service, Morgantown, West Virginia, USA.
- Wright, M. G., T. P. Kuhar, M. P. Hoffmann, and S. A. Chenus. 2002. Effect of inoculative releases of *Trichogramma ostrinia* on populations of *Ostrinia nubilalis* and damage to sweet corn and field corn. *Biological Control* 23: 149-155.
- Wright, M. G., M. P. Hoffmann, T. P. Kuhar, J. Gardner, and S. A. Pitcher. 2005. Evaluating risks of biological control introductions: a probabilistic risk-assessment approach. *Biological Control* 35: 338-347.
- Wright, R. J., M. G. Villani, and F. Agudelo-Silva. 1988. Steinernematid and heterorhabditid nematodes for control of larval European chafers and Japanese beetles (Coleoptera: Scarabaeidae) in potted yew. *Journal of Economic Entomology* 81: 152-157.
- Wright, W.H. 1973. Geographical distribution of schistosomes and their intermediate hosts, pp. 32-249. In: Ansari, N. (ed.). *Epidemiology and Control of Schistosomiasis (Bilharziasis)*. University Park Press, Baltimore, Maryland, USA.
- Xia, J. Y., J. J. Cui, L. H. Ma, S. X. Dong, and X. F. Cui. 1999. The role of transgenic *Bt* cotton in integrated pest management. *Acta Gossypii Sinica* 11: 57-64.
- Xu, F. Y. and D. X Wu. 1987. Control of bamboo scale insects by intercropping rape in the bamboo forest to attract coccinellid beetles. *Chinese Journal of Biological Control* 5: 117-119 (in Chinese).
- Yaninek, J. S. and A. C. Bellotti. 1987. Exploration for natural enemies of cassava green mites based on agrometeorological criteria, pp. 69-75. In: Rijks, D. and G. Mathys (eds.). *Proceedings of the Seminar on Agrometeorology and Crop Protection in the Lowland Humid and Subhumid Tropics*. Cotonou, Benin, 7-11 July 1986. World Meteorological Organization, Geneva, Switzerland.
- Yaninek, S. and R. Hanna. 2003. Cassava green mite in Africa – a unique example of successful classical biological control of a mite pest on a continental scale, pp. 61-75. In: Neuenchwander, P., C. Borgemeister, and J. Langewald (eds.). *Biological Control in IPM Systems in Africa*. CABI Pub., Wallingford, United Kingdom.
- Yara, K. 2005. Identification of *Torymus sinensis* and *T. beneficus* (Hymenoptera: Torymidae), introduced and indigenous parasitoids of the chestnut gall wasp, *Dryocosmus kuriphilus* (Hymenoptera: Cynipidae), using the ribosomal ITS2 region. *Biological Control* 36: 15-21.
- Yelenik, S. G., W. D. Stock, and D. M. Richardson. 2004. Ecosystem level impacts of invasive *Acacia saligna* in the South African fynbos. *Restoration Ecology* 12: 44-51.
- Ylönen, H. 2001. Rodent plagues, immunocontraception and the mousepox virus. *Trends in Ecology and Evolution* 16: 418-420.
- Yong, T. H. 2003. Nectar-feeding by a predatory ambush bug (Heteroptera: Phymatidae) that hunts on flowers. *Annals of the Entomological Society of America* 96: 643-651.
- York, G. T. 1958. Field tests with the fungus *Beauveria* sp. for control of the European corn borer. *Iowa State College Journal of Science* 33: 123-129.
- Young, J., F. Van Manen, and R. Ross. 1998. Modeling stand vulnerability and biological impacts of the hemlock woolly adelgid. Study Plan Number 2055. USGS, Leetown Science Center, Kearneysville, West Virginia, 32pp.

- Young, S. Y. and W. C. Yearian. 1986. Formulation and application of baculoviruses, pp. 157-179. In: Granados, R. R. and B. A. Federici (eds.). *The Biology of Baculoviruses: Volume II. Practical Application for Insect Control*. CRC Press, Boca Raton, Florida, USA.
- Yu and van Achterberg (2004). <http://www.taxapad.com/>.
- Yu, D. and K. Horstmann 1997. *Catalogue of World Ichneumonidae*. Memoirs of the American Entomological Institute 58 (1).
- Yu, G. 2001. The coccinellids (Coleoptera) predaceous on adelgids, with notes on the biocontrol of the hemlock woolly adelgid (Homoptera: Adelgidae). *Special Publication of the Japanese Coleoptera Society*, Osaka No. 1: 297-304.
- Yu, G., M. E. Montgomery, and D. Yao. 2000. Lady beetles (Coleoptera: Coccinellidae) from Chinese hemlocks infested with the hemlock woolly adelgid, *Adelges tsugae* Annand (Homoptera: Adelgidae). *Coleopterists Bulletin* 54: 154-199.
- Zane, L., L. Bargelloni, and T. Patarnello. 2002. Strategies for microsatellite isolation: A review. *Molecular Ecology* 11: 1-16.
- Zangerl, A. R. and M. R. Berenbaum. 2005. Increase in toxicity in an invasive weed after reassociation with its coevolved herbivore. *Proceedings of the National Academy of Sciences of the United States of America* 102 (43): 15529-15532.
- Zangger, A., J.A.Lys, and W. Nentwig. 1994. Increasing the availability of food and the reproduction of *Poecilus cupreus* in a cereal field by strip-management. *Entomologia Experimentalis et Applicata* 71: 111- 120.
- Zapater, M. C. (ed.) 1996. *El Control Biológico en América Latina*. Actas de la "III Mesa Redonda de Control Biológico en el Neotrópico" Río de Janeiro, Brasil, 12-16 de Agosto de 1991.
- Zchori-Fein, E. and S. J. Perlman. 2004. Distribution of the bacterial symbiont *Cardinium* in arthropods. *Molecular Ecology* 13: 2009-2016.
- Zchori-Fein, E., Y. Gottlieb, S. E. Kelly, J. K. Brown, J. M. Wilson, T. L. Karr, and M. S. Hunter. 2001. A newly discovered bacterium associated with parthenogenesis and a change in host selection behavior in parasitoid wasps. *Proceedings of the National Academy of Sciences of the United States of America* 98: 12555-12560.
- Zeddies, J., R. P. Schaab, P. Neuenschwander, and H. R. Herren. 2001. Economics of biological control of cassava mealybug in Africa. *Agricultural Economics* 24: 209-211.
- Zelazny, B., A. Lolong, and A. M. Crawford. 1990. Introduction and field comparison of baculovirus strains against *Oryctes rhinoceros* (Coleoptera: Scarabaeidae) in Maldives. *Environmental Entomology* 19: 1115-1121.
- Zelger, R. 1996. The population dynamics of the cockchafer in South Tyrol since 1980 and measures applied for control. *IOBC/WPRS Bulletin* 19 (2): 109-113.
- Zhang, A. and W. Olkowski. 1989. *Ageratum* cover crop aids citrus biocontrol in China *The IPM Practitioner* 11(9): 8-10.
- Zhang, N. X. and Y. X. Li. 1989. An improved method of rearing *Amblyseius fallacis* (Acari: Phytoseiidae) with plant pollen. *Chinese Journal of Biological Control* 5: 149-152.

- Zhang, Y. and J. L. Shipp. 1998. Effect of temperature and vapor pressure deficit on the flight activity of *Orius insidiosus* (Hemiptera: Anthocoridae). *Environmental Entomology* 27: 736-742.
- Zhang, Z. H., S. Gao, G. Y. Zhang, Y. Wang, D. B. Yang, Z. R. Zhang, S. Y. Zheng, and M. L. Wang. 2000. Using *Metarhizium flavoviridae* oil spray to control grasshoppers in inner Mongolia grassland. *Chinese Journal of Biological Control* 16: 49-52.
- Zhang, Z., G.-Y. Ye, and C. Hu. 2004. Effects of venom from two pteromalid wasps, *Pteromalus puparum* and *Nasonia vitripennis* (Hymenoptera: Pteromalidae), on the spreading, viability and encapsulation capacity of *Pieris rapae* hemocytes. *Acta Entomologica Sinica* 47: 551-561.
- Zheng, L., Y. Zhou, and K. Song. 2005. Augmentative biological control in greenhouses: experiences from China, pp. 538-545. In: Hoddle, M.S. (compiler), *Proceedings of the Second International Symposium on Biological Control of Arthropods, Davos Switzerland*. USDA-FS Forest Health Technology Team, Morgantown, West Virginia, USA.
- Zhi-Qiang Zhang. 1992. The use of beneficial birds for biological pest control in China. *Biocontrol News and Information* 13 (1): 11N-16N.
- Zhou, L., K. L. Bailey, C. Y. Chen, and M. Keri. 2005. Molecular and genetic analyses of geographic variation in isolates of *Phoma macrostoma* used for biological weed control. *Mycologia* 97: 612-620.
- Zhu, Y.-C., J. D. Burd, N. C. Elliott, and M. H. Greenstone. 2000. Specific ribosomal DNA marker for early polymerase chain reaction detection of *Aphelinus hordei* (Hymenoptera: Aphelinidae) and *Aphidius colemani* (Hymenoptera: Aphidiidae) from *Diuraphis noxia* (Homoptera: Aphididae). *Annals of the Entomological Society of America* 93: 486-491.
- Zilahi-Balogh, G. M. G., L. T. Kok, and S. M. Salom. 2002. Host specificity of *Laricobius nigrinus* Fender (Coleoptera: Derodontidae), a potential biological control agent of the hemlock woolly adelgid, *Adelges tsugae* Annand (Homoptera: Adelgidae). *Biological Control* 24: 192-198.
- Zilahi-Balogh, G. M. G., L. M. Humble, A. B. Lamb, S. M. Salom, and L. T. Kok. 2003a. Seasonal abundance and synchrony between *Laricobius nigrinus* (Coleoptera: Derodontidae) and its prey, the hemlock woolly adelgid (Hemiptera: Adelgidae). *The Canadian Entomologist* 135: 103-115.
- Zilahi-Balogh, G. M. G., S. M. Salom, and L. T. Kok. 2003b. Development and reproductive biology of *Laricobius nigrinus*, a potential biological control agent of *Adelges tsugae*. *Biocontrol* 48: 293-306.
- Zilahi-Balogh, G. M. G., J. L. Shipp, C. Cloutier and J. Brodeur. 2006. Influence of light intensity, photoperiod, and temperature on the efficacy of two aphelinid parasitoids of the greenhouse whitefly. *Environmental Entomology* 35: 581-589.
- Zimmerman, E. C. 1994. *Australian Weevils. Vol. I. Anthribidae to Attelabidae*. CSIRO, Melbourne, Australia. Zimmermann, G. 1986. Insect pathogenic fungi as pest control agents, pp. 217-231. In: Franz, J. M. (ed.). *Biological Plant and Health Protection: Biological Control of Plant Pests and of Vectors of Human and Animal Diseases*. International Symposium of the Akademie der Wissenschaften und der Literatur, Mainz, November 15-17th, 1984 at Mainz

- and Darmstadt. *Fortschritte der Zoologie* 32: 341 pp. Gustav Fischer Verlag, Stuttgart, Germany.
- Zimmermann, G. 1986. Insect pathogenic fungi as pest control agents, pp. 217-231.. In: Franz, J. M. (ed.). *Biological Plant and Health Protection: Biological Control of Plant Pests and of Vectors of Human and Animal Diseases*. International Symposium of the Akademie der Wissenschaften und der Literatur, Mainz, November 15-17th, 1984 at Mainz and Darmstadt. *Fortschritte der Zoologie* 32: 341 pp. Gustav Fischer Verlag, Stuttgart, Germany.
- Zimmermann, G. G., V. C. Moran, and J. H. Hoffmann. 2001. The renowned cactus moth, *Cactoblastis cactorum* (Lepidoptera: Pyralidae): its natural history and threat to native *Opuntia* floras in Mexico and the United States of America. *Florida Entomologist* 84: 543-551.
- Zimmermann, O. 2004. Use of *Trichogramma* wasps in Germany: present status of research and commercial application of egg parasitoids against lepidopterous pests for crop and storage protection. *Gesunde Pflanzen* 56 (6): 157-166. (in German)
- Zwölfer, H. and P. Harris. 1971. Host specificity determination of insects for biological control of weeds. *Annual Review of Entomology* 16: 159-178.
- Zwölfer, H. and R. Brandl. 1989. Niches and size relationships in Coleoptera associated with Cardueae host plants; Adaptations to resource gradients. *Oecologia* 78: 60-68.
- Zwölfer, H. and P. Harris. 1984. Biology and host specificity of *Rhinocyllus conicus* (Froel.) (Col., Curculionidae), a successful agent for biocontrol of the thistle *Carduus nutans* L. *Zeitschrift für Angewandte Entomologie* 97: 36-62.
- http://senasicaw.senasica.sagarpa.gob.mx/portal/html/sanidad_vegetal/campanas_fitosanitarias/campana_nacional_contra_mosca_de_la_fruta.html
- <http://www.pestalert.org> 2006. Detección de un brote de palomilla del nopal (*Cactoblastis cactorum*) en Isla Mujeres, Quintana Roo. México. 08/21/2006.