

CURRICULUM VITAE

NAME

Louis B Bjostad

ADDRESS

Bioagricultural Sciences and Pest Management
College of Agricultural Sciences

Plant Sciences

PHONE

(970) 491-5987

EDUCATION

1978 Ph D, U OF CALIFORNIA

1973 BS, WILLIAM & MARY

ACADEMIC POSITIONS

2018-2019 - Professor (College of Agricultural Sciences)

OTHER POSITIONS

1995 - Present Professor, BSPM Dept., Colorado State University, Fort Collins, CO, United States.

PUBLISHED WORKS

Refereed Journal Articles

- Seshadri, A., Bjostad, L. B., Bernklau, E. J. Metabolomics of bee hive pollen and crop pollen. *Metabolomics*, 14(6), 86., Peer Reviewed/Refereed
- Bernklau, E. J., Hibbard, B. E., Dick, D. L., Rithner, C. D., Bjostad, L. B. (2015). Monogalactosyldiacylglycerols as Host Recognition Cues for Western Corn Rootworm Larvae (Coleoptera: Chrysomelidae). *Journal of Economic Entomology*, 108(2), 539-548. <Go to ISI>://WOS:000355283600018, Peer Reviewed/Refereed
- (2010). Antixenosis in Maize Reduces Feeding by Western Corn Rootworm Larvae (Coleoptera: Chrysomelidae). *Journal of Economic Entomology*, 103, 2052-2060., Peer Reviewed/Refereed
- (2009). Localized Search Cues in Corn Roots for Western Corn Rootworm (Coleoptera). *J Econ Entomol*, 102, 558-562., Peer Reviewed/Refereed
- (2008). Identification of feeding stimulants in corn roots for western corn rootworm (Coleoptera). *J Econ Entomol*, 101, 341-351., Peer Reviewed/Refereed
- (2006). Field attraction of termites to a carbon dioxide-generating bait in Australia (Isoptera). *Sociobiology*, 48, 771-779., Peer Reviewed/Refereed
- (2006). Ultraviolet light induced autophototoxicity and negative phototaxis in Reticulitermes termites (Isoptera). *Sociobiology*, 48, 27-49., Peer Reviewed/Refereed

- (2005). Antimicrobial activity of the termite (Isoptera) alkaloid norharmane against the entomopathogenic fungus *Metarhizium anisopliae*. *Sociobiology*, 46, 563-577., Peer Reviewed/Refereed
- (2005). Attraction of subterranean termites (isoptera) to carbon dioxide. *J Econ Entomol*, 98, 476-484., Peer Reviewed/Refereed
- (2005). Endosymbiont biosynthesis of norharmane in *Reticulitermes* termites (Isoptera). *Sociobiology*, 45, 687-705., Peer Reviewed/Refereed
- (2005). Insecticide enhancement with feeding stimulants in corn for western corn rootworm larvae (Coleoptera). *J Econ Entomol*, 98, 1150-1156., Peer Reviewed/Refereed
- (2005). Isolation and characterization of norharmane from *Reticulitermes* termites (Isoptera). *J Econ Entomol*, 98, 1669-1678., Peer Reviewed/Refereed
- (2004). Disruption of host location of western corn rootworm larvae (Coleoptera). *J Econ Entomol*, 97, 330-339., Peer Reviewed/Refereed
- (2004). Testing the blank slate hypothesis. *Insect Soc*, 51, 16-Dec., Peer Reviewed/Refereed
- (2001). A new state record for *Trogoderma teukton* (Coleoptera). *Entomol News*, 112, 281-284., Peer Reviewed/Refereed
- (1998). Behavioral responses of first-instar western corn rootworm (Coleoptera). *J Econ Entomol*, 91, 444-456., Peer Reviewed/Refereed
- (1998). Reinvestigation of host location by western corn rootworm larvae (Coleoptera). *J Econ Entomol*, 91, 1331-1340., Peer Reviewed/Refereed
- (1997). Electroantennogram-active components in buffalo gourd root powder for western corn rootworm adults (Coleoptera). *Environ Entomol*, 26, 1136-1142., Peer Reviewed/Refereed
- (1997). Electroantennogram-active components of maize silk for adults of the western corn rootworm (Coleoptera). *Environ Entomol*, 26, 285-295., Peer Reviewed/Refereed
- (1997). Pentanoic acid attracts *Olcella parva* (Adams) (Diptera). *J Kansas Entomol Soc*, 70, 67-69., Peer Reviewed/Refereed
- (1997). Structure-activity study with haloalkane attractants of western corn rootworm (Coleoptera). *J Entomol Sci*, 32, 91-105., Peer Reviewed/Refereed
- (1996). Behavioral and physiological responses of *Diaeretiella rapae* to semiochemicals. *Entomol Exp Appl*, 78, 187-196., Peer Reviewed/Refereed
- (1996). Dichloromethane attracts diabroticite larvae in a laboratory behavioral bioassay. *J Chem Ecol*, 22, 1331-1344., Peer Reviewed/Refereed
- (1996). Electroantennogram responses of western corn rootworm (Coleoptera). *Environ Entomol*, 25, 430-435., Peer Reviewed/Refereed
- (1996). *Hesperophylax occidentalis* (Trichoptera). *J Chem Ecol*, 22, 123-137., Peer Reviewed/Refereed

- (1996). Sex pheromone of caddisfly *Hesperophylax occidentalis* (Banks) (Trichoptera). *J Chem Ecol*, 22, 103-121., Peer Reviewed/Refereed
- (1995). Germinating Corn Extracts and 6-Methoxy-2-Benzoxazolinone - Western Corn-Rootworm (Coleoptera, Chrysomelidae) Larval Attractants Evaluated with Soil Insecticides. *J Econ Entomol*, 88, 716-724., Peer Reviewed/Refereed
- (1995). Interfamily Variation in Comb Wax Hydrocarbons Produced by Honey-Bees. *J Chem Ecol*, 21, 1329-1338., Peer Reviewed/Refereed
- (1995). The Role of Wax Comb in Honey-Bee Nestmate Recognition. *Anim Behav*, 50, 489-496., Peer Reviewed/Refereed
- (1994). Leaf Unrolling of 3 Wheat Genotypes in Russian Wheat Aphid Extracts. *Cereal Res Commun*, 22, 375-379., Peer Reviewed/Refereed
- (1994). Long-Chain Free Fatty-Acids - Semiochemicals for Host Location by Western Corn-Rootworm Larvae. *J Chem Ecol*, 20, 3335-3344., Peer Reviewed/Refereed
- (1994). Tolerance of Western Corn-Rootworm Larvae (Coleoptera, Chrysomelidae) to 6-Methoxy-2-Benzoxazolinone, a Corn Semiochemical for Larval Host Location. *J Econ Entomol*, 87, 647-652., Peer Reviewed/Refereed
- (1993). Application of Semiochemicals in Integrated Pest-Management Programs. *Acs Sym Ser*, 524, 199-218., Peer Reviewed/Refereed

Non-Refereed Journal Articles

- 2) Bernklau, E., Bjostad, L. B., Carlisle, A., Hogeboom, A. B., **Seshadri, A.** (in press). Dietary phytochemicals, honey bee longevity and pathogen tolerance. *Insects.*, Not Peer Reviewed/Refereed

Bernklau, E. J., Hibbard, B. E., Bjostad, L. B. (2013). Isolation and Characterization of Host Recognition Cues in Corn Roots for Larvae of the Western Corn Rootworm (Coleoptera: Chrysomelidae). *Journal of Economic Entomology*, 106(6), 2354-2363. <Go to ISI>://WOS:000329991200015, Not Peer Reviewed/Refereed

Hiltbold, I., Bernklau, E. J., Bjostad, L. B., Alvarez, N., Miller-Struttmann, N., Lundgren, J., Hibbard, B. (2013). Nature, evolution and characterisation of rhizospheric chemical exudates affecting root herbivores. *Advances in Insect Physiology*, 45, 97-157., Not Peer Reviewed/Refereed

Bernklau, E. J., Bjostad, L. B., Hibbard, B. E. (2011). Synthetic feeding stimulants enhance insecticide activity against western corn rootworm larvae, *Diabrotica virgifera virgifera* (Coleoptera: Chrysomelidae). *Journal of Applied Entomology*, 135(1-2), 47-54. <Go to ISI>://WOS:000286112700006, Not Peer Reviewed/Refereed

Carmichael, L. M., Moore, J. K., Bjostad, L. B. (1993). Parasitism and decreased response to sex pheromones in male *Periplaneta americana* (Dictyoptera: Blattidae). *Journal of insect behavior*, 6(1), 25-32., Not Peer Reviewed/Refereed

TEACHING:

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u>Cr. Hrs.</u>	<u>Enrollment</u>
2019	Spring	LIFE102 - Attributes of Living Systems (GT-SC1)	4	191
2019	Spring	LIFE102 - Attributes of Living Systems (GT-SC1)	4	1

COMMITTEES

Information Technology Executive Committee.

Scholarship Committee.

Student Affairs Committee.

Tenure & Promotion Committee, (September 1, 2013 - Present).

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

USDA Regional Committee NCCC46, Minneapolis, MN. (2012 - Present).

Committee Chair, USDA/NIFA, Bioenergy Panel. (2010 - Present).
