

CURRICULUM VITAE

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EDUCATION

- 1983 Ph D, Virginia Polytechnic Institute and State University
- 1979 MS, Virginia Polytechnic Institute and State University
- 1976 BS, Tennessee Technology University

ACADEMIC POSITIONS

2018-2019 - Professor (College of Agricultural Sciences)

OTHER POSITIONS

1996 - Present Professor, Dept of Bioagricultural Sciences and Pest Management, Director, C.P. Gillete Museum of Arthropod Diversity, Colorado State University, Fort Collins, CO, United States.

PUBLISHED WORKS

Refereed Journal Articles

- A confirmed record of the Ephemeroptera genus *Baetisca* from west of the continental divide and an annotated list of the mayflies of the Humboldt River, Nevada. *West N Am Naturalist*, 60, 459-461., Peer Reviewed/Refereed
- A DNA barcode library for North American Ephemeroptera: Progress and prospects. *PloS One*, 7, e38063., Peer Reviewed/Refereed
- A New Species of *Acroneuria* from Kentucky (Plecoptera, Perlidae) and New Records of Stoneflies from Eastern North-America. *J Kansas Entomol Soc*, 61, 201-207., Peer Reviewed/Refereed
- A New Species of *Acroneuria* from Virginia (Plecoptera, Perlidae). *J New York Entomol S*, 101, 550-554., Peer Reviewed/Refereed
- A new species of *Mitrodetus* (Diptera). *Entomol News*, 112, 221-224., Peer Reviewed/Refereed
- A new species of Mydas fly (Diptera). *P Entomol Soc Wash*, 100, 464-466., Peer Reviewed/Refereed
- A New Species of *Nemomydas* (Diptera, Mydidae) from Texas. *J Kansas Entomol Soc*, 63, 643-645., Peer

Reviewed/Refereed

- A new species of *Nemomydas* and a new record for *Baliomydas gracilis* (Diptera). *Fla Entomol*, 87, 380-382., Peer Reviewed/Refereed
- A new species of *Paracapnia* from California (Plecoptera: Capniidae). *Illiesia*, 6, 206-209., Peer Reviewed/Refereed
- A New Species of *Paraleptophlebia* from Tennessee (Ephemeroptera, Leptophlebiidae). *Entomol News*, 105, 259-261., Peer Reviewed/Refereed
- A new species of *Perlesta* (Plecoptera: Perlidae) from North Carolina with additional records for North Carolina and Virginia. *Illiesia*, 7, 297-301., Peer Reviewed/Refereed
- A new species of *Pseudonomoneura* Bequaert (Diptera). *P Entomol Soc Wash*, 99, 171-173., Peer Reviewed/Refereed
- A New Species of *Sphecomyiella* (Diptera, Pyrgotidae) from North-America. *P Entomol Soc Wash*, 95, 554-557., Peer Reviewed/Refereed
- A new species of *Sweltsa* (Plecoptera). *Entomol News*, 109, 293-295., Peer Reviewed/Refereed
- A new species of *Tallaperla* (Plecoptera). *Entomol News*, 118, 81-82., Peer Reviewed/Refereed
- A new species of the western North American genus *Triznaka* from Oregon (Plecoptera: Chloroperlidae). *Illiesia*, 8, 15-Oct., Peer Reviewed/Refereed
- A new species of the western North American genus *Triznaka* from Oregon (Plecoptera: Chloroperlidae)., Peer Reviewed/Refereed
- A new species of *Zealeuctra* Ricker (Plecoptera). *P Entomol Soc Wash*, 106, 840-843., Peer Reviewed/Refereed
- A new species *Perlesta* (Plecoptera: Perlidae) from New York. *Illiesia*, 7, 197-201., Peer Reviewed/Refereed
- A new synonymy and a new species of Mydidae (Diptera) from Madagascar. *Zootaxa*, 31, 65-67., Peer Reviewed/Refereed
- Kondratieff, B. C., Kirchner, R. F. A Reclarification of the Males of *Alloperla-concolor* and *a-Neglecta* (Plecoptera, Chloroperlidae), with New Distribution Records for Both Species. *Entomol News*, 104, 73-78., Peer Reviewed/Refereed
- A record of the arctic forestfly, *Nemoura arctica* (Plecoptera). *Entomol News*, 115, 113-115., Peer Reviewed/Refereed
- A Review of *Perlinella* Banks (Plecoptera, Perlidae). *Ann Entomol Soc Am*, 81, 19-27., Peer Reviewed/Refereed
- A review of stonefly records (Plecoptera). *Brimleyana*, 97, 25-40., Peer Reviewed/Refereed
- A Review of the Genus *Remenus* Ricker (Plecoptera, Perlodidae), with the Description of 2 New Species. *P Entomol Soc Wash*, 97, 596-602., Peer Reviewed/Refereed
- A review of the mayfly genus *Cinygmula* McDunnough (Ephemeroptera). *J Kansas Entomol Soc*, 77, 121-126., Peer Reviewed/Refereed

- A Review of the Mydid Genus *Pseudonomoneura* Bequaert (Diptera, Mydidae), with the Description of 2 New Species. *P Entomol Soc Wash*, 97, 22-34., Peer Reviewed/Refereed
- A review of the North American species of *Megarcys* Klapalek (Plecoptera). *P Entomol Soc Wash*, 103, 409-427., Peer Reviewed/Refereed
- A review of the stoneflies of Colorado with description of a new species of *Capnia* (Plecoptera). *T Am Entomol Soc*, 128, 385-401., Peer Reviewed/Refereed
- A review of the western North American genus *Triznaka* (Plecoptera). *P Entomol Soc Wash*, 110, 345-362., Peer Reviewed/Refereed
- Additions to the stoneflies (Plecoptera) of Mount Rainier National Park, Washington, USA. *Entomol News*, 117, 461-463., Peer Reviewed/Refereed
- Additions, Taxonomic Corrections, and Faunal Affinities of the Stoneflies (Plecoptera) of Virginia, USA. *P Entomol Soc Wash*, 89, 24-30., Peer Reviewed/Refereed
- Alloperla lenati*, a new species of stonefly from North Carolina (Plecoptera). *Ann Entomol Soc Am*, 97, 361-363., Peer Reviewed/Refereed
- Ameletus janetae*, a new species of mayfly (Ephemeroptera: Ameletidae) from West Virginia. *Proceedings of the Entomological Society of Washington*, 112, 526-529., Peer Reviewed/Refereed
- An annotated list of the caddisflies (Trichoptera) of Mount Rainier National Park, Washington, USA. *T Am Entomol Soc*, 131, 159-187., Peer Reviewed/Refereed
- Annotated list of the stoneflies (Plecoptera) of western Nebraska, USA. *J Kansas Entomol Soc*, 69, 191-198., Peer Reviewed/Refereed
- Aquatic insects (Ephemeroptera, Odonata, Hemiptera, Coleoptera, Trichoptera, Diptera) of Sand Creek Massacre National Historic Site on the Great Plains of Colorado. *Journal of the Kansas Entomological Society*, 83, 322-331., Peer Reviewed/Refereed
- Aquatic insects of a High Plains spring. *J Kansas Entomol Soc*, 75, 163-171., Peer Reviewed/Refereed
- At last, a Pennsylvanian stem-stonefly (Plecoptera) discovered. *BioMedCentral Evolutionary Biology*, 11, 248.1-12., Peer Reviewed/Refereed
- Benthos recovery after an episodic sediment release into a Colorado Rocky Mountain River. *West N Am Naturalist*, 62, 59-72., Peer Reviewed/Refereed
- Chemical and biological characteristics of desert rock pools in intermittent streams of Capitol Reef National Park, Utah. *Great Basin Nat*, 58, 250-264., Peer Reviewed/Refereed
- Colorado Haliplidae (Coleoptera). *J Kansas Entomol Soc*, 78, 41-70., Peer Reviewed/Refereed
- Confirmation of the pygmy snowfly, *Allocapnia pygmaea* (Burmeister) (Plecoptera). *Entomol News*, 114, 289-290., Peer Reviewed/Refereed
- Contribution to the biology and systematics of *Ephemerella alleni* (Ephemeroptera). *Pan-Pac Entomol*, 79, 207-211., Peer Reviewed/Refereed

- Description of Adults of Baetis-Magnus, (Ephemeroptera, Baetidae). *Entomol News*, 104, 227-232., Peer Reviewed/Refereed
- Description of Adults of Baetis-Notos (Ephemeroptera, Baetidae). *Entomol News*, 106, 71-74., Peer Reviewed/Refereed
- Description of adults of Labiobaetis apache (Ephemeroptera). *Entomol News*, 108, 97-101., Peer Reviewed/Refereed
- Description of Male Ostrocerca Ricker (Plecoptera, Nemouridae) Using the Scanning Electron-Microscope. *P Entomol Soc Wash*, 91, 257-268., Peer Reviewed/Refereed
- Description of the adults of Maccaffertium lenati (Ephemeroptera). *P Entomol Soc Wash*, 108, 995-997., Peer Reviewed/Refereed
- Description of the female of Capnia arapahoe (Plecoptera: Capniidae). *Entomological News*, 121, 281-283., Peer Reviewed/Refereed
- Descriptions of the Nymphs of Eastern North American Species of Cultus (Plecoptera). *Entomol Am*, 115, 109-114., Peer Reviewed/Refereed
- Diversity and distribution of mayflies (Ephemeroptera), stoneflies (Plecoptera), and caddisflies (Trichoptera) of the South Platte River Basin, Colorado, Nebraska, and Wyoming, 1873-2010. *US Geological Survey Data Series*, 606, 257., Peer Reviewed/Refereed
- Earthworm abundance and species composition in organic forage production systems of Northern Colorado receiving different soil amendments. *Applied Soil Ecology*, 48, 219-226., Peer Reviewed/Refereed
- Effect of Cattle Grazing on the Density and Species of Grasshoppers (Orthoptera, Acrididae) of the Central Plains Experimental Range, Colorado - a Reassessment after 2 Decades. *J Kansas Entomol Soc*, 64, 337-343., Peer Reviewed/Refereed
- Effects of a Methamidophos Application on Pasimachus-Elongatus Leconte (Coleoptera, Carabidae). *J Kansas Entomol Soc*, 65, 151-156., Peer Reviewed/Refereed
- Effects of fire disturbance on grasshopper (Orthoptera). *J Kansas Entomol Soc*, 79, 12-Feb., Peer Reviewed/Refereed
- Emergence of Chironomidae (Diptera) from a Delta-Swamp Receiving Thermal Effluent. *Hydrobiologia*, 174, 67-77., Peer Reviewed/Refereed
- Energy flow through macroinvertebrates in a polluted plains stream. *J N Am Benthol Soc*, 21, 660-675., Peer Reviewed/Refereed
- Ephemeroptera, Plecoptera, Megaloptera, and Trichoptera of Great Smoky Mountains National Park. *Southeast Nat*, 6, 159-174., Peer Reviewed/Refereed
- Epiproct and dorsal process structure in Allocapnia forbesi Frison, Apygmaea (Burmeister), and A rickeri Frison species groups (Plecoptera: Capniidae), and inclusion of A minima (Newport) in a new species group. *Illiesia*, 8, 45-77., Peer Reviewed/Refereed
- Evaluation of hymenopterous biological control agents of the alfalfa weevil larvae Hypera postica (Coleoptera). *J*

Kansas Entomol Soc, 69, 326-336., Peer Reviewed/Refereed

Functional trait niches of North American lotic insects. *J N Am Benthol Soc*, 25, 730-755., Peer Reviewed/Refereed

Geographic range extension to Wyoming, USA, for *Paraleptophlebia praepedita* (Eaton, 1884) (Insecta: Ephemeroptera: Leptophlebiidae). *Checklist*, 8, 829-831., Peer Reviewed/Refereed

Geographic range extension to Wyoming, USA, for *Paraleptophlebia praepedita* (Eaton, 1884) (Insecta: Ephemeroptera: Leptophlebiidae). *Checklist*, 8, 829-831., Peer Reviewed/Refereed

Host Status of the Apple Maggot (Diptera, Tephritidae) in Colorado. *J Econ Entomol*, 82, 886-890., Peer Reviewed/Refereed

Inconeuria chimu, a new stonefly from Peru (Plecoptera). *Pan-Pac Entomol*, 79, 182-184., Peer Reviewed/Refereed

Insects Associated with Quinoa, *Chenopodium-Quinoa*, in Colorado. *J Kansas Entomol Soc*, 63, 195-199., Peer Reviewed/Refereed

Larvae of eight eastern Nearctic *Alloperla* species (Plecoptera: Chloroperlidae). *Illiesia*, 6, 267-276., Peer Reviewed/Refereed

Larvae of the Nearctic species of the stonefly genus *Megarcys* Klapalek (Plecoptera: Perlodidae). *Illiesia*, 8, 16-36., Peer Reviewed/Refereed

Leafhopper (Homoptera, Cicadellidae) Species Composition of Western Colorado Commercial Peach Orchards. *Southwest Entomol*, 18, 203-211., Peer Reviewed/Refereed

Life cycle of the net-spinning caddisfly, *Cheumatopsyche analis* (Banks) (Trichoptera). *West N Am Naturalist*, 64, 497-502., Peer Reviewed/Refereed

Life history and food habits of *Isoperla quinquepunctata* (Banks) (Plecoptera: Perlodidae) from a spring source and Willow Creek in the Piceance Basin, Colorado. *Illiesia*, 8, 125-133., Peer Reviewed/Refereed

Longitudinal changes in benthic organic matter and macroinvertebrates in a polluted Colorado plains stream. *Hydrobiologia*, 411, 191-209., Peer Reviewed/Refereed

Longitudinal changes in macroinvertebrate production in a stream affected by urban and agricultural activities. *Arch Hydrobiol*, 157, 483-503., Peer Reviewed/Refereed

Macroinvertebrate community structure of three prairie streams. *J Kansas Entomol Soc*, 72, 402-425., Peer Reviewed/Refereed

Malenka murvoshi, a new species of stonefly from the Spring Mountains of southern Nevada (Plecoptera: Nemouridae). *Illiesia*, 6, 113-117., Peer Reviewed/Refereed

Natural history of the Colorado Great Sand Dunes tiger beetle, *Cicindela theatina rotgeri*. *T Am Entomol Soc*, 129, 333-360., Peer Reviewed/Refereed

Nebraska, USA. *Entomol News*, 116, 111-112., Peer Reviewed/Refereed

New Additions to the Inventory of Colorado Mayflies (Ephemeroptera). *Entomol News*, 105, 222-227., Peer

Reviewed/Refereed

- New Descriptions of Drumming and Evolution of the Behavior in North-American Perlodidae (Plecoptera). *J Kansas Entomol Soc*, 61, 161-168., Peer Reviewed/Refereed
- New Host and Distributional Records for Rhagoletis in Colorado Diptera, Tephritidae. *Southwest Entomol*, 14, 147-152., Peer Reviewed/Refereed
- New Nearctic Chloroperlidae (Plecoptera). *J New York Entomol S*, 99, 199-203., Peer Reviewed/Refereed
- New records of aquatic Heteroptera for Colorado. *Entomol News*, 110, 243-245., Peer Reviewed/Refereed
- New species and records of Anacroneuria (Plecoptera) from Ecuador and Paraguay. *Illiesia*, 8, 78-93., Peer Reviewed/Refereed
- Nomenclatorial Changes in the Xanthopterus Group of the Genus Mydas (Diptera, Mydidae). *P Entomol Soc Wash*, 93, 784-785., Peer Reviewed/Refereed
- Notes on Claudioperla tigrina (Klapálek) in Ecudaor (Plecoptera: Gripopterygidae). *Illiesia*, 8, 141-146., Peer Reviewed/Refereed
- Notes on North American Baetis (Ephemeroptera). *Entomol News*, 110, 177-180., Peer Reviewed/Refereed
- Observations of the larval stages of Diceroprocta apache Davis (Homoptera). *J Kansas Entomol Soc*, 75, 283-289., Peer Reviewed/Refereed
- Perlesta etnieri (Plecoptera). *P Entomol Soc Wash*, 104, 51-55., Peer Reviewed/Refereed
- Pictetiella lechleitneri (Plecoptera). *P Entomol Soc Wash*, 106, 747-750., Peer Reviewed/Refereed
- Preliminary Checklist of the Mayflies (Ephemeroptera) of Alabama. *Entomol News*, 97, 230-236., Peer Reviewed/Refereed
- Resistance to permethrin in Culex tarsalis in northeastern Colorado. *J Am Mosquito Contr*, 24, 281-288., Peer Reviewed/Refereed
- Review of the Genus Mydas (Diptera, Mydidae) - the Xanthopterus Group of Southwestern United-States and Mexico. *Ann Entomol Soc Am*, 83, 142-148., Peer Reviewed/Refereed
- Review of the Mydid genus Opomydas Curran (Diptera). *Ann Entomol Soc Am*, 89, 348-353., Peer Reviewed/Refereed
- Selenium hyperaccumulation reduces plant arthropod loads in the field. *New Phytol*, 177, 715-724., Peer Reviewed/Refereed
- Stoneflies (Plecoptera) of Mount Rainier National Park, Washington. *West N Am Naturalist*, 62, 385-404., Peer Reviewed/Refereed
- Studies on Oemopteryx vanduzeei (Claassen, 1937) and a new species in the O vanduzeei species group (Plecoptera). *Aquat Insect*, 31, 195-202., Peer Reviewed/Refereed
- Studies on stoneflies (Plecoptera) of Colorado with eastern faunal affinities, including a new state record of the midwestern salmonfly, Pteronarcys pictetii Hagen (Plecoptera). *P Entomol Soc Wash*, 108, 335-340., Peer

Reviewed/Refereed

- Studies on stoneflies of North Dakota with the description of a new *Perlesta* species (Plecoptera). *P Entomol Soc Wash*, 101, 325-331., Peer Reviewed/Refereed
- Studies on the Holarctic subfamily Brachypterainae (Plecoptera). *Aquat Insect*, 31, 219-230., Peer Reviewed/Refereed
- Survey of Missouri mayflies with the first description of adults of *Stenonema bednariki* (Ephemeroptera). *J Kansas Entomol Soc*, 70, 132-140., Peer Reviewed/Refereed
- Taeniopteryx of Western North-America (Plecoptera, Taeniopterygidae). *Pan-Pac Entomol*, 64, 381-390., Peer Reviewed/Refereed
- Taeniopteryx-Burksi (Plecoptera, Taeniopterygidae) in Colorado, with Notes on Aquatic Insects of Plains Streams. *Entomol News*, 98, 13-16., Peer Reviewed/Refereed
- The Aquatic Insects of the Valles Caldera National Preserve, Sandoval County, New Mexico, Excluding Diptera, with Notes on New State Records. *J Kansas Entomol Soc*, 82, 250-262., Peer Reviewed/Refereed
- The larvae of *Cicindela theatina* (Coleoptera). *Entomol News*, 113, 163-172., Peer Reviewed/Refereed
- The life cycle of an introduced caddisfly, *Cheumatopsyche pettiti* (Banks) (Trichoptera). *Hydrobiologia*, 350, 81-85., Peer Reviewed/Refereed
- The Life Cycles of *Claassenia Sabulosa* and *Hesperoperla Pacifica* (Plecoptera). *West N Am Naturalist*, 68, 311-318., Peer Reviewed/Refereed
- The Mantispidae (Neuroptera) of Colorado. *J Kansas Entomol Soc*, 64, 69-76., Peer Reviewed/Refereed
- The mayflies (Ephemeroptera), stoneflies (Plecoptera), and caddisflies (Trichoptera) of the Adirondack Park (New York). *Transactions of the American Entomological Society*, 137, 63-140., Peer Reviewed/Refereed
- The Mydidae (Diptera) of Costa-Rica. *Pan-Pac Entomol*, 67, 124-134., Peer Reviewed/Refereed
- The *Nemomydas* of Southwestern United-States, Mexico, and Central-America (Diptera, Mydidae). *P Entomol Soc Wash*, 92, 471-482., Peer Reviewed/Refereed
- The occurrence of *Nitidula flavomaculata* (Coleoptera). *Entomol News*, 107, 233-236., Peer Reviewed/Refereed
- The relationship of macroinvertebrate assemblages to water chemistry in a polluted Colorado plains stream. *Arch Hydrobiol*, 145, 405-432., Peer Reviewed/Refereed
- The stonefly genus *Lednia* in North America (Plecoptera: Nemouridae). *Illiesia*, 6, 316-328., Peer Reviewed/Refereed
- The tennessee type locality of *Allocaupnia perplexa* and a New Kentucky location for *Allocaupnia cunninghami* (Plecoptera). *Entomol News*, 113, 332-335., Peer Reviewed/Refereed
- Three species of insects collected from an adult human corpse above 3300 m in elevation. *J Forensic Sci*, 51, 1164-1165., Peer Reviewed/Refereed
- Two chloropid flies (Diptera). *J Kansas Entomol Soc*, 68, 478-480., Peer Reviewed/Refereed

- Two new Allocapnia from Eastern North America (Plecoptera). *Ann Entomol Soc Am*, 93, 1267-1273., Peer Reviewed/Refereed
- Two new genera and four new species of Mydidae (Diptera) from Madagascar. *Zootaxa*, 131, 14-Jan., Peer Reviewed/Refereed
- Two new species of Amblyderus (Coleoptera). *Entomol News*, 110, 137-143., Peer Reviewed/Refereed
- Two new species of Hansonoperla (Plecoptera). *Ann Entomol Soc Am*, 89, 501-509., Peer Reviewed/Refereed
- Two new species of Haploperla Navas (Plecoptera). *P Entomol Soc Wash*, 107, 859-863., Peer Reviewed/Refereed
- Two new species of Perlesta (Plecoptera). *P Entomol Soc Wash*, 110, 668-673., Peer Reviewed/Refereed
- Two new species of Perlesta Banks (Plecoptera). *P Entomol Soc Wash*, 105, 933-939., Peer Reviewed/Refereed
- Stroka, P., Staniczek, A. H., Kondratieff, B. C. (2018). "Rolling" stoneflies (Insecta: Plecoptera) from mid-Cretaceous Burmese amber. *PeerJ*, 6(e5354)., Peer Reviewed/Refereed
- Polato, N. R., Gill, B., Shah, A., Gray, M. M., Casner, K. L., Barthelet, A., Messer, P. W., Simmons, M., Guayasamin, J. M., Encalada, A. C., Kondratieff, B. C., Flecker, A. S., Thomas, S. A., Ghalambor, C. K., Poff, N. L. L., Funk, C. C., **Zamudio, K. R.** (2018). Narrow thermal tolerance and low dispersal drive diversification in tropical mountains. *Proceedings of the National Academy of Sciences of the U.S.A.*, 115(49), 12471-12476. <https://www.pnas.org/>, Peer Reviewed/Refereed
- Polato, N. R., Gill, B., Shah, A., Gray, M. M., Casner, K. L., Barthelet, A., Messer, P. W., Simmons, M., Guayasamin, J. M., Encalada, A. C., Kondratieff, B. C., Flecker, A. S., Thomas, S. A., Ghalambor, C. K., Poff, N. L. L., Funk, W. C., Zamudio, K. R. (2018). Narrow thermal tolerance and low dispersal drive higher speciation in tropical mountains. *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*, 115(49), 12471-12476., Peer Reviewed/Refereed
- Poff, N. L. L., Larson, E. I., Salerno, P. E., Morton, S. G., Kondratieff, B. C., Flecker, A., Zamudio, K. R., Funk, C. C. (2018). Extreme streams: Species persistence mechanisms and evolutionary change in montane stream insect populations across a flood disturbance gradient. *Ecology Letters*, 21, 525-535., Peer Reviewed/Refereed
- Polato, N. R., Gill, B. A., Shah, A. A., Gray, M. M., Casner, K. L., Barthelet, A., Messer, P. W., Simmons, M. P., Guayasamin, J. M., Encalada, A. C., Kondratieff, B. C., Flecker, A. S., Thomas, S. A., Ghalambor, C. K., Poff, N. L., Funk, W. C., Zamudio, K. R. (2018). Narrow thermal tolerance and low dispersal drive higher speciation in tropical mountains. *Proceedings of the National Academy of Sciences*, 115(49), 12471-12476. <https://www.pnas.org/content/pnas/115/49/12471.full.pdf>, Peer Reviewed/Refereed
- Verdone, C. J., Kondratieff, B. C. (2018). Malenka diablo, a new species of stonefly from the diablo range of California, U.S.A. (Plecoptera: Nemouridae). *Illiesia*, 14(6), 126-134. doi.org/10.25031/2018/14.06, Peer Reviewed/Refereed
- Verdone, C. J., Kondratieff, B. C. (2018). Holomorphology and systematics of the eastern Nearctic stonefly genus Remenus Ricker (Plecoptera: Perlodidae). *Illiesia*, 14(5), 81-125. doi.org/10.25031/2018/14.05, Peer Reviewed/Refereed
- Poff, N. L., Larson, E. I., Salerno, P. E., Morton, S. G., Kondratieff, B. C., Flecker, A. S., Zamudio, K. R., Funk,

- W. C. (in press). Species persistence mechanisms and evolutionary change in montane stream insect populations across a flood disturbance gradient. *Ecology Letters*. <http://www.blackwellpublishing.com/journals/ele/>, Peer Reviewed/Refereed
- Shah, A., Gill, B., Encalada, A., Flecker, A., Funk, C. C., Guayasamin, J. M., Kondratieff, B. C., Poff, N. L. L., Thomas, S., Zamudio, K. R., Ghalambor, C. K. (2017). Climate variability predicts thermal limits of aquatic insects across elevation and latitude. *Functional Ecology*, 31, 2118-2127. <http://onlinelibrary.wiley.com/doi/10.1111/1365-2435.12906/full>, Peer Reviewed/Refereed
- Polato, N. R., Gray, M. M., Gill, B., Anderson, K. L., Becker, G. C., Flecker, A. S., Kondratieff, B. C., Encalada, A. C., Poff, N. L. L., Funk, C. C., Zamudio, K. R. (2017). Genetic diversity and gene flow decline with elevation in montane mayflies. *Heredity*, 119, 107-116., Peer Reviewed/Refereed
- Kondratieff, B. C., Verdone, C. J. (2017). A new species of Diploperla Needham and Claassen (Plecoptera: Perlodidae) from North Carolina and Virginia. *Illiesia*, 13(13), 127-139. doi.org/10.25031/2017/13.13, Peer Reviewed/Refereed
- Verdone, C. J., Kondratieff, B. C. (2017). A new species of Isoperla Banks (Plecoptera: Perlodidae) from the southern Appalachians, with notes on the I. montana group. *Illiesia*, 13(12), 111-126. doi.org/10.25031/2017,13.12, Peer Reviewed/Refereed
- Verdone, C. J., Kondratieff, B. C., DeWalt, R. E., South, E. J. (2017). Studies on the stoneflies of Georgia with the description of a new species of Soyedina Ricker, new state records and an annotated checklist. *Illiesia*, 13(3), 30-49. illiesia.speciesfile.org/, Peer Reviewed/Refereed
- Verdone, C. J., C. K. (2016). A new species of Isoperla Banks (Plecoptera: Perlodidae) from the Appalachian Mountains, Virginia & West Virginia, U.S.A. *Illiesia*, 12(13), 74-85. <http://illiesia.speciesfile.org/papers/Illiesia12-13pdf>, Peer Reviewed/Refereed
- Gill, B., Kondratieff, B. C., Casner, K. L., Encalada, A. C., Flecker, A. S., Gannon, D. G., Ghalambor, C. K., Guayasamin, J. M., Poff, N. LeRoy, Simmons, M., Thomas, S. A., Zamudio, K. R., Funk, C. C. (2016). Cryptic species diversity reveals biogeographic support for the 'mountain passes are higher in the tropics' hypothesis. *Proceedings of the Royal Society B-Biological Sciences*, 283(20160553), Peer Reviewed/Refereed
- Stark, B. P., B. H., C. K., W. B. (2016). Distribution of the Smoky Willowfly, *Bolotoperla rossi* (Frisson) (Plecoptera: Taeniopterygidae: Brachypterainae) in Eastern North America. *Illiesia*, 12(3), 15-20. <http://illiesia.speciesfile.org/papers/Illiesia12-03.pdf>, Peer Reviewed/Refereed
- Lessmann, J., Guayasamin, J. M., Casner, K. L., Flecker, A. S., Funk, C. C., Ghalambor, C. K., Gill, B., Jacome-Negrete, I., Kondratieff, B. C., Poff, N. L. L., J., Thomas, S. A., Toral-Contreras, E., Zamudio, K. R., Encalada, A. C. (2016). Freshwater vertebrate and invertebrate diversity patterns in an Andean-Amazon basin: implications for conservation efforts. *Neotropical Biodiversity*, 2(1), 99-114., Peer Reviewed/Refereed
- Cui, Y., Bethoux, O., Kondratieff, B. C., Shih, C., Ren, D. (2016). The first fossil salmonfly (Insecta: Plecoptera: Pteronarcyidae), back to the Middle Jurassic. *BMC Evolutionary Biology*, 16., Peer Reviewed/Refereed
- Lessmann, J., Guayasamin, J., Casner, K., Flecker, A., Funk, C. C., Ghalambor, C. K., Gill, B., Jacome-Negrete, I., Kondratieff, B. C., Poff, N. L. L., Schreckinger, J., Thomas, S., Toral-Contreras, E., Zamudio, K., Encalada, A. (2016). Freshwater vertebrate and invertebrate diversity patterns in an Andean-Amazon basin: implications for conservation efforts. *Neotropical Biodiversity*, 2(1), 99-114., Peer Reviewed/Refereed
- Gill, B., Kondratieff, B. C., Casner, K., Encalada, A., Flecker, A., Gannon, D., Ghalambor, C. K., Guayasamin, J.,

- Poff, N. L. L., Simmons, M., Thomas, S., Zamudio, K., Funk, C. C. (2016). Cryptic species diversity reveals biogeographic support for the 'mountain passes are higher in the tropics' hypothesis. *Proceedings of the Royal Society B*, 283(1832), 20160553., Peer Reviewed/Refereed
- Gill, B. A., C. K., L. C., C. E. (2016). Cryptic species diversity reveals biogeographic support for the 'mountain passes are higher in the tropics hypothesis. *Proceedings of the Royal Society*, 283, 1-9. <http://rspb.royalsocietypublishing.org/>, Peer Reviewed/Refereed
- Gill, B. A., Kondratieff, B. C., e. a. Deciphering cryptic biogeographic trends reveals support for the 'Mountain Passes are Higher in the Tropics. *Proc. National Academy of Sciences.*, Peer Reviewed/Refereed
- Harrington, R. A., Poff, N. L., Kondratieff, B. C. (2015). Aquatic insect β -diversity is not dependent on elevation in southern Rocky streams. *Freshwater Biology*, 1-11. doi:10.1111/fwb.12693, Peer Reviewed/Refereed
- Gill, B. A., Sandberg, J. B., Kondratieff, B. C. (2015). . Evaluation of the morphological species concepts of 16 western Nearctic Isoperla species (Plecoptera: Perlodidae) and their respective species groups using DNA barcoding. *Illiesia*, 11, 130-146. <http://illiesia.speciesfile.org/papers/Illiesia11-11.pdf>, Peer Reviewed/Refereed
- Rose, D. A., Kondratieff, B. C., Weissmann, M. J. (2015). New state records of mosquitoes for Colorado. *Journal of the American mosquito Control Association*, 31(2), 135-138., Peer Reviewed/Refereed
- Szczytko, S. W., Kondratieff, B. C. (2015). Photographic atlas of the eastern Nearctic Isoperlinae (Plecoptera: Perlodidae) species. *Illiesia, Monograph 2*, 1-124. http://illiesia.speciesfile.org/papers/number_2.pdf, Peer Reviewed/Refereed
- Stark, B. P., Kondratieff, B. C., Verdone, C. (2015). Kathroperla siskiyou, a new stonefly species from southern Oregon, U.S.A. (Plecoptera: Chlorperlidae). *Illiesia*, 11, 92-103. <http://illiesia.speciesfile.org/papers/Illiesia11-08.pdf>, Peer Reviewed/Refereed
- Sandberg, J. B., Kondratieff, B. C., Verdone, C. (2015). Descriptions of the adult male and female genitalia of the genus Osobenus Ricker (Plecoptera: Perlodidae). *Illiesia* 11: 1-7. *Illiesia*, 11, 1-7. <http://illiesia.speciesfile.org/papers/Illiesia11-01.pdf>, Peer Reviewed/Refereed
- Stark, B. P., Kondratieff, B. C., Gill, B. A., Verdone, C. J., Harrison, A. B. (2015). Sierraperla Jewett, 1954, (Plecoptera: Peltoperlidae), distribution, egg morphology and description of a new species. *Illiesia*, 11(2), 8-22. www2.pms-lj.si/illiesia/, Peer Reviewed/Refereed
- Gill, B. A., Kondratieff, B. C., Stark, B. P., Sandberg, J. B. (2015). THE BANDED-WING MOSELIA INFUSCATA (CLAASSEN) PHENOTYPE FROM CALIFORNIA AND OREGON, U.S.A. (PLECOPTERA: LEUCTRIDAE). *Zootaxa*, 3911(4), 593-597. www.mapress.com/zootaxa/, Peer Reviewed/Refereed
- Szczytko, S. W., Kondratieff, B. C. (2015). A Review of the Eastern Nearctic Isoperlinae (Plecoptera: Perlodidae) with the Description of Twenty-two New Species. *Illiesia*, 1, 1-289. www2.pms-lj.si/illiesia/, Peer Reviewed/Refereed
- Béthoux, O., Kondratieff, B. C., Grimsson, F., Olafsson, E., Wappler, T. (2014). Character-state-based taxa erected to accommodate fossil and extant needle stoneflies (Leuctridae-Leuctrida tax n.) and close relatives. *Systematic Entomology*, DOI: 10.1111/syen.12102, 1-20. <http://onlinelibrary.wiley.com/journal/10.1111/%28ISSN%291365-3113>, Peer Reviewed/Refereed
- Kondratieff, B. C., Cranshaw, W. S. (2014). Owlflies in Colorado (Neuroptera: Ascalaphidae). *Entomological*

Bright, D. E., Kondratieff, B. C., Norton, A. P. (2013). First record of the splendid tamarisk weevil, *Coniatus splendidulus* (F.)(Coleoptera: Curculionidae: Hyperinae), in Colorado, USA. *The Coleopterists Bulletin*, 67(3), 302–303., Peer Reviewed/Refereed

Refereed Chapters in Books

DeWalt, E. R., Kondratieff, B. C., Sandberg, J. B. (2014). Order Plecoptera. *Ecology and general Biology. Thorp and Covich's Freshwater Invertebrate – Volume I. 4th edition* (4th ed., vol. I, pp. 933-949): Academic Press, Elsevier., Peer Reviewed/Refereed

Non-Refereed Journal Articles

Carlson, E. A., Cooper, D. J., Merritt, D. M., Kondratieff, B. C., Waskom, R. M. (2019). Irrigation canals are newly created streams of semi-arid agricultural regions. *Science of the Total Environment*, 646, 770-781. <https://www.ncbi.nlm.nih.gov/pubmed/30064103>, Not Peer Reviewed/Refereed

Gattolliat, J.-L., Kondratieff, B. C., Kaltenbach, T., Al Dhafer., H. M. (2018). Labiobaetis from the Kingdom of Saudi Arabia (Insecta, Ephemeroptera, Baetidae). *Zookeys*, 774, 77-104., Not Peer Reviewed/Refereed

Kondratieff, B. C., DeWalt, R. E., Verdone, C. J. (in press). Plecoptera of Canada, a review. *Zookeys.*, Not Peer Reviewed/Refereed

Myers, L. W., Kondratieff, B. C. (2017). Larvae of North American species of *Pteronarcys* (Plecoptera: Pteronarcyidae). *Illiesia*, 13(16), 192-224., Not Peer Reviewed/Refereed

Shah, A., Gill, B., Encalada, A. C., Flecker, A. S., Funk, W. C., Guayasamin, J. M., Kondratieff, B. C., Poff, N. L., Thomas, S. A., Zamudio, K. R., Ghalambor, C. K. (2017). Climate variability predicts thermal limits of aquatic insects across elevation and latitude. *FUNCTIONAL ECOLOGY*, 31(11), 2118-2127., Not Peer Reviewed/Refereed

Shah, A. A., Gill, B., Encalada, A. C., Flecker, A. S., Funk, W. C., Guayasamin, J. M., Kondratieff, B. C., Poff, N. L., Thomas, S. A., Zamudio, K. R., Ghalambor, C. K. (2017). Climate variability predicts thermal limits of aquatic insects across elevation and latitude. *Functional Ecology*, 31(11), 2118-2127., Not Peer Reviewed/Refereed

Abdel-Dayem, M. S., Fad, H. H., El-Torkey, A. M., Elgharbawy, A. A., Aldryhim, Y. N., Kondratieff, B. C., Al Ansi, A. N., Aldhafer, H. M. (2017). The beetle fauna (Insecta, Coleoptera) of the Rawdhat Khorim National Park, Central Saudi Arabia. *Zookeys*, 653, 1-78. zookeys.pensoft.net, Not Peer Reviewed/Refereed

Zhou, X., Frandsen, P. B., Holzenthal, R. W., Beet, C. R., Bennett, K. R., Blahnik, R. J., Bonada, N., Cartwright, D., Chuluunbat, S., Cocks, G. V., Collins, G. E., deWaard, J., Dean, J., Flint, O. S., Hausmann, A., Hendrich, L., Hess, M., Hogg, I. D., Kondratieff, B. C., Malicky, H., Milton, M. A., Morinière, J., Morse, J. C., Mwangi, F. N., Pauls, S. U., Gonzalez, M. R., Rinne, A., Robinson, J. L., Salokannel, J., Shackleton, M., Smith, B., Stamatakis, A., StClair, R., Thomas, J. A., Zamora-Munoz, C., Ziesmann, T., Kjer, K. M. (2016). The Trichoptera barcode initiative: a strategy for generating a species-level Tree of Life. *Philosophical Transactions of the Royal Society of London B: Biological Sciences*, 371(1702). <http://rstb.royalsocietypublishing.org/content/371/1702/20160025>, Not Peer Reviewed/Refereed

Strong, A. C., Kondratieff, B. C., Doyle, M. S., Black IV, W. C. (2008). Resistance to permethrin in *Culex tarsalis* in northeastern Colorado. *Journal of American Mosquito Contr.*, Not Peer Reviewed/Refereed

Galeas, M. L., Klamper, E. M., Bennett, L. E., Freeman, J. L., Kondratieff, B. C., Quinn, C. F., Pilon-Smits, E. A. (2008). Selenium hyperaccumulation reduces plant arthropod loads in the field. *The New phytologist*, 177(3), 715-24., Not Peer Reviewed/Refereed

Bestgen, K. R., Kondratieff, B. C., Miller, M. C. (1996). Fishes, Macroinvertebrates, and Habitat of South Boulder Creek, Colorado, within City of Boulder Open Space Property. *Final report, January, 31.*, Not Peer Reviewed/Refereed

Kondratieff, B. C. (2013). *Range extension for Cicindela (s.str.) pulchra Say into Utah* (vol. 45, pp. 9-10): Cicindela., Peer Reviewed/Refereed

Field Guide

Mason, L., Seshadri, A., Kondratieff, B. C. *User Field Guide: Native Bee Watch, a citizen science guide for Colorado bees.*: CSU Extension publication., Peer Reviewed/Refereed

Research Report

D. A. Rose, Kondratieff, B. C., Weissmann, M. J. (2017). In B. C. Kondratieff (Ed.), *Insects of western North America 9. Colorado Mosquitoes (Diptera: Culicidae)*. (vol. 9, pp. 1-202): Contributions of the C. P. Gillette Museum Of Arthropod Diversity., Peer Reviewed/Refereed

Technical Report

Shanahan, J., Baker, D. W., Bledsoe, B., Poff, L., Merritt, D. M., Bestgen, K. R., Auble, G. T., Kondratieff, B. C., Stokes, J., Lorie, M., others (2014). *An ecological response model for the Cache la Poudre River through Fort Collins.*: City of Fort Collins Natural Areas Department., Not Peer Reviewed/Refereed

PAPERS PRESENTED/SYMPOSIA/INVITED LECTURES/PROFESSIONAL MEETINGS/WORKSHOPS

April 26, 2019, "Climate giveth, and climate taketh away: Speciation and vulnerability of stream biodiversity", Invited speaker for the Kellogg Biological Station seminar series, Michigan State University.

COLLABORATIVE & INTEGRATIVE INTERDISCIPLINARY SCHOLARSHIP

2018-2019

I was one of the signatories of the Science article: "When the cure kills—CBD limits biodiversity research National laws fearing biopiracy squelch taxonomy studies" by K. Divakaran Prathapan, Rohan Pethiyagoda, , Kamaljit S awa, Peter H. Raven, Priyadarsanan Dharma Rajan, and 172 co-signatories from 35 countries. Science 29 JUNE 2018 • VOL 360 ISSUE 6396: 1405-1406. <http://science.sciencemag.org/content/sci/360/6396/1405.full.pdf>

TEACHING:

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u>Cr. Hrs.</u>	<u>Enrollment</u>
2019	Spring	BZ520 - Advanced Systematics	3	3
2019	Spring	BSPM555 - Immature Insects	3	6
2019	Spring	BSPM555 - Immature Insects - Lab	0	6
2019	Spring	ANEQ300B - Topics in Animal Sciences-Livestock Entomology	1	9
2019	Spring	BSPM300 - Topics in Livestock Entomology	1	1

Guest Lectures:

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u># of Guest Lectures</u>	<u>Delivery Mode</u>
2019	Spring	FISH BIOLOGY AND ICHTHYOLOGY, FRCC	1	Face to Face
2019	Spring	Honors Program-HONR	2	Face to Face

COMMITTEES

Northeastern Junior College, Sterling, Colorado, (April 19, 2019).

Executive Committee, (August 2017 - August 2019).

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

American Entomological Society.

Entomological Society of America.

Entomological Society of Washington.

Kansas Entomological Society.

Acadian Entomological Society.

Reviewer, Ad Hoc Reviewer, Acadian Entomological Society.

Member, American Entomological Society.

Aquatic Insects.

Member, Arthropod-Borne and Infectious Disease Laboratory, CSU.

City of Fort Collins' Poudre River Vision Project.

Department of Zoology, University of The Punjab, Lahore, Pakistan.

Director, C. P. Gillette Museum of Arthropod Diversity, Dept of BSPM.

Dragonfly Society of the Americas, Florence,, SC.

Dragonfly Society of the Americas, 2011 Annual Meeting, Fort Collins, CO.

Entomological News.

Reviewer, Ad Hoc Reviewer, Entomological Society of America, Environmental Entomology.

Member, Entomological Society of America.

Entomological Society of Washington.

Member, Entomological Society of Washington.

Member, Executive Committee.

Member, Graduate Degree Program in Ecology.

High Country Lepidopterists, Fort Collins, CO.

Historical Biology.

Illiesia.

Illiesia.

Illiesia.

Illiesia.

Insect Science.

Insect Science.

International Initiatives.

Journal of the Kansas Entomological Society.

Member, Kansas Entomological Society.

Morgan Library Liaison.

Reviewer, Ad Hoc Reviewer, National Science Foundation.

Nature Conservancy BioBlitz, Brett Gray Ranch, Lincoln Co., CO. Directed 24 hour insect survey.

Reviewer, Ad Hoc Reviewer, NSF.

Reviewer, Ad Hoc Reviewer, NSF.

Perla.

Proceedings of the Entomological Society of Washington.

Rocky Mountain National Park Bioblitz, National Geographic Society, 24-25 August 2012.

USDA Forest service Bioblitz, Lost Creek Wilderness, Park County, Colorado, 23-24 July.

Member, West Nile Technical Advisory Committee, City of Fort Collins, CO.

Western North American Naturalist.

Editor, Associate Editor, Zootaxa.

Invited speaker, Sustainable Lifestyle Expo, Broomfield, Colorado. (April 14, 2019).

OTHER ACTIVITIES/ACCOMPLISHMENTS – SERVICE/OUTREACH

2010 Residential Environmental Program Series, City of Fort Collins, CO.

2012 Colorado Science and Engineering Fair Tours.

4-H.

Audubon Society of Greater Denver.

Biology Club, CSU.

Blevins Junior High School.

Campus Corps.

City of Fort Collins Natural Areas.

City of Fort Collins Natural Areas.

City of Fort Collins Natural Areas Program.

City of Fort Collins Natural Areas Program.

City of Timnath, CO.

Colorado Science and Engineering Fairs Tours and Presentations, CSU.

Colorado State Science Fair, Inc. 2013 Tours.

Conrad Ball Middle School, Loveland, CO.

Cottonwood Plains Elementary School, Fort Collins, CO.

Cub Scout Pack 88, Fort Collins, CO.

Environmental Learning Center.

Fort Collins Water Festival.

Gardens at Spring Creek.

Garfield Elementary School, Loveland, CO.

Gillette Entomology Club.

Gillette Entomology Club.

Gillette Entomology Club.

Girls Scouts of America.

Goddard School, 6427 Carmichael Str.
Goddard School, Fort Collins, CO.
Goddard School, Fort Collins, CO.
Greeley, Colorado Daycare.
Griffin Home School, Fort Collins.
Harris Bilingual Elementary School.
Harris Bilingual Elementary School.
Junior College, Sterling, Colorado.
Larimer County Fair.
Larimer County Fair & Rodeo.
Linton Elementary School, Fort Collins, CO.
Little Bear 's Child Care.
Little Bear's Child Care, 2551 Hamsphire Rd, Fort Collins.
Little Bear's Child Care, Fort Collins, CO.
Little Bears Child Care, 1247 Riverside Ave., Fort Collins.
Lopez, Elementary School, Fort Collins, CO.
Lopez, Elementary School, Fort Collins, CO.
National Active and Retired Employees Association (NARFE), Fort Collins, CO.
Natural Areas Department, City of Fort Collins, Colorado.
Northeastern Junior College, Sterling, CO.
Northeastern Junor College, Sterling, CO.
Olander Elementary School, Fort Collins.
Palmer Center, CSU.
Poudre High School, Fort Collins, CO.
Poudre High School, Fort Collins, CO.
Rocky Mountain High School, Fort Collins.
Saint Joseph Catholic School.

Scott Engles Home School.
Severance Middle School, Severance, Colorado.
Severance Middle School, Severance, Colorado.
Shepardson Elementary School.
Shepardson Elementary School, Fort Collins, CO.
Shepardson Elementary School, Fort Collins, CO.
Shepardson Elementary School, Fort Collins, CO.
St Joseph School, Fort Collins, CO.
Steamboat Springs Junior High School.
Summit Hall, CSU.
The Gardens, Fort Collins, CO.
The Gardens, Fort Collins, CO.
The Goddard School, Fort Collins, CO.
The R. Page Family.
Venture Prep, Denver, Colorado.
Windmill Child Enrichment Center.
Guest Speaker, Wings Center, Loveland, CO.
Guest Speaker, SEED CSU, Fort Collins, Colorado. (April 26, 2019).
K-12 Outreach, Johnson Elementary School, Fort Collins, Colorado. (April 25, 2019).
Guest Speaker, Colorado Science & Engineering Fair, Fort Collins, Colorado. (April 12, 2019).
Guest Speaker, Master Naturalist Training, Fort Collins, Colorado. (April 4, 2019 - April 6, 2019).
K-12 Outreach, Cub Scout troop, Fort Collins, Colorado. (March 7, 2019).
K-12 Outreach, Preston Middle School, Fort Collins, Colorado. (March 4, 2019).
K-12 Outreach, Rice Elementary School, Wellington, Colorado. (March 1, 2019).
K-12 Outreach, Glenwood Springs High School, Fort Collins, Colorado. (January 31, 2019).
