

## MARC A. MILNE

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**Citizenship:** Dual: Canada & USA

### EDUCATION

Ph.D. Ecology, Old Dominion University (2010)  
B.S. with Baccalaureate Honors in Biology, University of North Florida (2002)

### PROFESSIONAL EMPLOYMENT

2024 – present Professor, Dept. of Biology, University of Indianapolis, Indianapolis, IN  
2020 – 2024 Associate Professor, Dept. of Biology, University of Indianapolis, Indianapolis, IN  
2014 – 2020 Assistant Professor, Dept. of Biology, University of Indianapolis, Indianapolis, IN  
2011 – 2014 Full-time Lecturer, Dept. of Biology, University of North Carolina at Greensboro, Greensboro, NC  
2012 Adjunct Professor, Dept. of Biology, High Point University, High Point, NC  
2010 – 2011 Full-time Instructor, Dept. of Biology, Randolph Community College, Asheboro, NC  
2009 – 2010 Part-time Instructor, Dept. of Biology, Tidewater Community College, Virginia Beach, VA  
2009 – 2010 Adjunct Professor, Dept. of Biology, Old Dominion University, Norfolk, VA  
2009 Adjunct Professor, Dept. of Biology, Virginia Wesleyan University, Virginia Beach, VA  
2004 – 2007 Teaching Assistant, Dept. of Biology, Old Dominion University, Norfolk, VA

### PUBLICATIONS

Caterino, M. S., **M. A. Milne**, E. Recuero. *In review*. Patterns of intra- and interspecific diversity in Araneomorph spiders of southern high Appalachian leaf litter. *Journal of Arachnology*.  
**Milne, M. A.**, M. Brattain, R. Brodman, L. Cole, B. Davis-Swinford, G. Druschel, S. Gross, T. E. Hansen, R. Hedge, J. D. Holland, R. Jean, T. Lauer, W. Murphy, P. McMurray, M. J. Risch, P. Rothrock, S. Russell, C. Strang. *In press*. Results of the 2021 Mosquito Creek biodiversity survey, Harrison County, Indiana. *Proceedings of the Indiana Academy of Science*.  
Lewis, J. J., **M. A. Milne**, and R. K. Dunlap. *In press*. Karst sinkholes as foci of biodiversity in the Hoosier National Forest: II. Selected environmental parameters. *Proceedings of the Indiana Academy of Science*.  
Trumbore, L. E., K. S. Zigler, C. Brendan, N. S. Gladstone, C. W. Harden, J. J. Lewis, **M. A.**

- Milne, K. A. Ober, W. A. Shear, and C. D. R. Stephen. *In press*. Cave Biodiversity of Cumberland Gap National Historical Park. *Journal of Cave and Karst Studies*.
- Grijalva, I., A. R. Skidmore, M. A. Milne, P. Olaya-Arenas, I. Kaplan, R. E. Foster, and J. S. Yaninek. **2024**. Integrated pest management enhances biocontrol in a US midwestern agroecosystem by conserving predators and non-pest prey. *Agriculture, Ecosystems and Environment* 368: 109009. <https://doi.org/10.1016/j.agee.2024.109009>
- Milne, M. A., C. O'Neil, and J. Bertaux. **2023**. A revision of *Neodietrichia* (Araneae: Linyphiidae), a rarely encountered but widespread taxon. *Zootaxa* 5296(1): 31-44.
- Hedin, M. and M. A. Milne. **2023**. New species in old mountains: Integrative taxonomy reveals ten new species and extensive short-range endemism in *Nesticus* spiders (Araneae, Nesticidae) from the southern Appalachian Mountains. *Zookeys* 1145: 1-130.
- Holland, J. D., M. Dittman, A. Thada, M. S. Finkler, B. Fisher, F. C. Hobbs, R. Jean, P. McMurray, M. A. Milne, T. M. Rice, S. Russell, J. Sheets, J. T. Shukle, and C. Strang. **2022**. Results of the 2019 Biodiversity Survey at the Poor Handmaids of Jesus Christ Ministry Center, Marshall County, Indiana. *Proceedings of the Indiana Academy of Science*. 130(2): 101-111.
- Zigler, K. and Milne, M. A. **2022**. Two new *Nesticus* Thorell, 1869 (Araneae: Nesticidae) from caves in northwest Georgia, USA. *Journal of Arachnology* 50: 292-300. <https://doi.org/10.1636/JoA-S-21-035>
- Campbell, J. W., S. M. Grodsky, M. A. Milne, P. Vigueira, C. C. Vigueira, E. Stern, and C. H. Greenberg. **2022**. Prescribed fire and other fuel-reduction treatments alter ground spider assemblages in a Southern Appalachian hardwood forest. *Forest Ecology and Management* 510(120127). <https://doi.org/10.1016/j.foreco.2022.120127>
- Milne, M. A., J. Gonsiorowski, N. Tuft, B. Deno, T. Ploss, J. Acosta, L. Frandsen, and C. Venable. **2021**. Effects of fire on ground-dwelling spider (Araneae) assemblages in central Indiana forests. *Environmental Entomology* 50(4): 781-789. [doi.org/10.1093/ee/nvab051](https://doi.org/10.1093/ee/nvab051)
- Holland, J. D., M. Brattain, R. Brodman, L. Cole, B. Davis-Swinford, G. Druschel, S. D. Gross, T. E. Hansen, R. Hedge, R. P. Jean, T. Lauer, P. McMurray, M. A. Milne, W. Murphy, M. R. Risch, P. Rothrock, S. Russell, C. Strang. **2020**. Results of the 2018 Eagle Creek Park biodiversity survey, Marion County, Indiana. *Proceedings of the Indiana Academy of Science* 129(1): 32-46.
- Lewis, J. J., M. A. Milne, C. Stephen, and D. Dourson. **2020**. Karst sinkholes as foci of biodiversity in the Hoosier National Forest. *The Journal of Cave and Karst Studies* 82(4): 169-182. <https://doi.org/10.4311/2020LSC0103>
- Bishop, L., R. Schnapp, J. Stant, J. E. Belth, R. Brodman, R. Carlson, L. Cole, S. Dunbar, J. D. Holland, R. Kerner, S. Russell, R. Jean, L. Koehn, J. Lendemer, T. Maloney, M. A. Milne, G. Mynhardt, P. Rothrock, D. Rupp, J. Sheets, D. Sparks, M. Martin, C. Strang, J. O. Whitaker Jr., and A. Chamberlain. **2020**. Results of the Indiana Forest Alliance Ecoblitz at Morgan-Monroe / Yellowwood State Forest in Indiana. *Proceedings of the Indiana Academy of Science* 128(2): 153-169.
- Zigler, K., M. L. Niemiller, C. D. R. Stephen, B. N. Ayala, M. A. Milne, N. S. Gladstone, A. S. Engel, J. B. Jensen, C. D. Camp, J. C. Ozier. **2020**. Biodiversity from caves and other subterranean habitats of Georgia, USA. *Journal of Cave and Karst Studies* 82(2): 125-167. <https://doi.org/10.4311/2019LSC0125>
- Milne, M. A., J. Louderman, B. Foster, I. Grijalva, J. J. Lewis, L. Bishop, B. L. Deno, J. Acosta,

- L. Frandsen, and E. Stern. **2019**. More spiders in Indiana: 100 new and updated distribution records. *Proceedings of the Indiana Academy of Science* 128(1): 87-105.
- Ruch, D. G., T. Stoelting, B. Simpson, R. Brodman, L. Cole, B. E. Fisher, J. D. Holland, R. P. Jean, **M. Milne**, S. Namestnik, K. Roth, S. Russell, L. Sterrenburg, C. Strang, B. Walters, J. O. Whitaker, Jr., A. Chamberlain. **2019**. Results of the second (2016) Goose Pond Fish and Wildlife biodiversity survey, Greene County, Indiana. *Proceedings of the Indiana Academy of Science* 128(1): 13-27.
- Campbell, J. W., **M. Milne**, B. Dinh, J. C. Daniels, and J. D. Ellis. **2019**. Spider (Araneae) abundance and species richness comparison between native wildflower plantings and fallow controls in intensively managed agricultural areas. *Arthropod-Plant Interactions*, 1 – 12. <https://doi.org/10.1007/s11829-019-09725-9>
- Draney, M. L., **M. A. Milne**, M. Ulyshen, and G. Madriz. **2019**. Revision of the spider genus *Epiceraticelus* (Araneae: Linyphiidae) with a description of a new species. *Zootaxa* 4646(1): 189-200.
- Bishop, L., **M. A. Milne**, and B. Foster. **2019**. A survey of spider diversity in Morgan-Monroe / Yellowwood State Forest. *Proceedings of the Indiana Academy of Science* 127(2): 131-139.
- Cardoso P, Shirey V, Seppälä S, Henriques S, Draney M, Foord S, Gibbons A, Gomez L, Kariko S, Malumbres-Olarte J, **Milne M**, Vink C. **2019**. Globally distributed occurrences utilised in 200 spider species conservation profiles (Arachnida, Araneae). *Biodiversity Data Journal* 7: e33264. <https://doi.org/10.3897/BDJ.7.e33264>
- Yancey, M. E., N. C. Mann, **M. A. Milne**, K. Zigler. **2018**. Egg sacs of *Liocranoides* Keyserling, 1881 (Araneae: Zoropsidae) cave spiders. *Journal of Arachnology* 46: 553-555.
- Seppala, S., S. Henriques, M. Draney, S. Foord, A. L. Gibbons, L. Gomez, S. Kariko, J. Malumbres-Olarte, **M. Milne**, C. Vink, P. Cardoso. **2018**. Species conservation profiles of a random sample of world spiders IV: Scytodidae to Zoropsidae. *Biodiversity Data Journal* 6: e30842. <https://doi.org/10.3897/BDJ.6.e30842>
- Milne, M. A.** **2018**. First description of the male of the linyphiid spider *Disembolus corneliae* (Chamberlin & Ivie, 1944) (Araneae, Linyphiidae). *Zootaxa* 4526(3): 393-396.
- Milne, M. A.** **2018**. A biogeographic comparison of spiders within Illinois and Indiana. *Proceedings of the Indiana Academy of Science* 127(1): 1-6.
- Ruch, D. G., B. Banks, R. Brodman, T. Carter, L. Cole, M. Dittmann, B. E. Fisher, J. D. Holland, K. Islam, R. P. Jean, M. McCarty, P. D. McMurray Jr., **M. Milne**, W. L. Murphy, K. Roth, S. Russell, C. Strang, J. Whitaker Jr., and A. Chamberlain. **2018**. Results of the 2017 Red-Tail Land Conservancy biodiversity survey, Delaware and Randolph Counties, Indiana. *Proceedings of the Indiana Academy of Science* 127(1): 37-54.
- Milne, M. A.**, and D. A. Waller. **2018**. Carnivorous pitcher plants eat a diet of certain spiders, regardless of what's on the menu. *Ecosphere* 9(11): e02504. <https://doi.org/10.1002/ecs2.2504>
- Seppala, S., S. Henriques, M. Draney, S. Foord, A. L. Gibbons, L. Gomez, S. Kariko, J. Malumbres-Olarte, **M. Milne**, C. Vink, P. Cardoso. **2018**. Species conservation profiles of a random sample of world spiders III: Oecobiidae to Salticidae. *Biodiversity Data Journal* 6: e27004. <https://doi.org/10.3897/BDJ.6.e27004>
- Seppala, S., S. Henriques, M. Draney, S. Foord, A. L. Gibbons, L. Gomez, S. Kariko, J.

- Malumbres-Olarte, **M. Milne**, C. Vink, P. Cardoso. **2018**. Species conservation profiles of a random sample of world spiders II: Gnaphosidae to Nemesiidae. *Biodiversity Data Journal* 6: e26203. <https://doi.org/10.3897/BDJ.6.e26203>
- Seppala, S., S. Henriques, M. Draney, S. Foord, A. L. Gibbons, L. Gomez, S. Kariko, J. Malumbres-Olarte, **M. Milne**, C. Vink, P. Cardoso. **2018**. Species conservation profiles of a random sample of world spiders I: Agelenidae to Filistatidae. *Biodiversity Data Journal* 6: e23555. <https://doi.org/10.3897/BDJ.6.e23555>
- Milne, M. A.** and E. Wells. **2018**. A new species of spider (Araneae, Linyphiidae: *Islandiana*) from a southern Indiana cave. *Subterranean Biology* 26: 19-26.
- Holland, J. D., R. W. Dolan, J. J. Sheets, M. S. Finkler, B. E. Fisher, R. L. Hedge, T. Swinford, N. Harby, R. P. Jean, M. K. Martin, B. McKnight, **M. Milne**, K. Roth, P. Rothrock, and C. Strang. **2017**. Results of the 2016 Indianapolis Biodiversity Survey, Marion County, Indiana. *Proceedings of the Indiana Academy of Science* 126(2): 166-175. [https://digitalcommons.butler.edu/facsch\\_papers/991](https://digitalcommons.butler.edu/facsch_papers/991)
- Ruch, D. G., C. Chapman, A. Deutch, B. Brodman, L. Cole, B. Fisher, J. D. Holland, **M. Milne**, B. Murphy, J. O'Keefe, K. Roth, S. Russell, C. Strang, J. Whitaker Jr., and A. Chamberlain. **2016**. Results of the 2015 Hills of Gold Biodiversity Survey, Johnson County, Indiana. *Proceedings of the Indiana Academy of Science* 125(2): 126-136.
- Milne, M. A.**, B. Foster, J. J. Lewis, L. Bishop, A. Hoffman, T. Ploss, and B. Deno. **2016**. Spiders in Indiana: Seventy-one new and updated distribution records. *Proceedings of the Indiana Academy of Science* 125(1): 75-85.
- Townsend, V. R. Jr., M. S. Bertram, and **M. A. Milne**. **2015**. Variation in ovipositor morphology among laniatorean harvestmen. *Zoomorphology*, 134(3): 487-497.
- Milne, M. A.** and M. Schwarz. **2014**. Size matters: Purple pitcher plant (*Sarracenia purpurea*) pitcher size influences the presence of *Aedes albopictus* larvae. *American Midland Naturalist*, 172(2): 219-226.
- Milne, M. A.** and D. A. Waller. **2013**. Does pitcher plant morphology affect spider residency? *Northeastern Naturalist*, 20(3): 419-429.
- Milne, M. A.** **2012**. The purple pitcher plant as a spider oviposition site. *Southeastern Naturalist*, 11(4): 567-574.
- Townsend Jr., V. R., **M. A. Milne**, and D. N. Proud. **2011**. Two new species of Manaosbiidae (Opiliones: Laniatores) from Panama, with comments on interspecific variation in penis morphology. *Journal of Arachnology*, 39(1): 92-101.
- Townsend Jr., V. R. and **M. A. Milne**. **2010**. A new species of *Santinezia* (Opiliones: Cranidae) from Panama. *Journal of Arachnology*, 38(3): 460-465.
- Milne, M. A.**, E. J. Ross, and D. E. Sonenshine. **2009**. The attraction of *Triatoma dimidiata* and *Rhodnius prolixus* (Hemiptera: Reduviidae) to combinations of host cues tested at two distances. *Journal of Medical Entomology*, 46(5): 1062-1073.
- Milne, M. A.**, V. R. Townsend Jr., P. A. Smelser, F. Smith, B. E. Felgenhauer, and M. K. Moore. **2009**. Larval aquatic and terrestrial mites infesting a temperate assemblage of mosquitoes. *Experimental and Applied Acarology*, 47(1): 19-33.
- Milne, M. A.**, N. A. Greffe III, and D. A. Waller. **2008**. Colonization and development of the Asian tiger mosquito (*Aedes albopictus*) in the purple pitcher plant (*Sarracenia purpurea*). *American Midland Naturalist*, 160: 110-116.

## COURSES TAUGHT

### *University of Indianapolis:*

- Biol 159: Introduction to Ecology and Evolution (2023 – present)
- Biol 250 Honors: Conservation Biology (2023 – present)
- Biol 277 Honors: Entomology – Lecture and Lab (2022 – present)
- Biol 563: Entomology (graduate level) – Lecture and Lab (2022 – present)
- Biol 250: Conservation Biology (2021 – present)
- Biol 277: Entomology – Lecture and Lab (2020 – present)
- Biol 490: Undergraduate Independent Research Project (2015 – present)
- Biol 496: Undergraduate Capstone: Research Experience (2015 – present)
- Biol 155: General Biology I – Introduction to the Diversity of Life – Lecture and Lab (2014 – 2022)
- Biol 155 Honors: General Biology I - Introduction to the Diversity of Life – Lecture and Lab (2014, 2018, 2021 - 2022)
- Biol 280: Evolution – Lecture and Lab (2015 – 2021)
- Biol 280 Honors: Evolution – Lecture and Lab (2020)
- Biol 165: General Biology II – Introduction to Cell Biology – Lecture and Lab (2014 – 2020)
- Biol 460: Topics in Biology: Spider Identification (2017 – 2019)
- St 299: Biodiversity of Costa Rica (2016, 2018)

### *University of North Carolina at Greensboro:*

- Bio 105: Major Concepts of Biology – Lab (2012 – 2014)
- Bio 111: General Biology I – Lab (2011 – 2014)
- Bio 112: General Biology II – Lab (2011 – 2014)
- Bio 322: Plant Diversity – Lab (2013)

### *High Point University:*

- Env 1110: Environmental Science – Lecture and Lab (2012)

### *Randolph Community College:*

- Bio 111: General Biology I – Lecture and Lab (2010 – 2011)
- Bio 112: General Biology II – Lecture and Lab (2010 – 2011)
- Bio 140: Environmental Science – Lecture and Lab (2010 – 2011)
- Sci 095: Developmental Science – Lab (2011)

### *Old Dominion University:*

- Bio 115: General Biology I – Lab (2004 – 2007)
- Bio 116: General Biology II – Lab (2004 – 2007)
- Bio 291: Ecology – Lecture (2010)
- Bio 292: Evolution – Lecture (2009)

### *Tidewater Community College:*

- Bio 101: General Biology I – Lecture and Lab (2009 – 2010)
- Bio 102: General Biology II – Lecture and Lab (2009 – 2010)

*Virginia Wesleyan College:*

Bio 100: World of Biology – Lecture (2009)

Bio 101: World of Biology – Lab (2009)

Bio 311: Genetics – Lecture and Lab (2009)

**SUPERVISED UNDERGRADUATE RESEARCH**

- 2024 – present     Elijah Birtchman: The effect of fire on spider abundance and diversity in creeping juniper patches.
- 2022 – present     Allena Gelfius: Using biological illustration to describe new spider species from Appalachian caves
- 2023                 Robert Boyce: The spiders of the Mojave Desert
- 2020 – 2023        James Bertaux: A revision of *Neodietrichia* (Araneae: Linyphiidae)
- 2023                 Katherine Karecki: A revision of the spider genus *Pelecopsidis* (Araneae: Linyphiidae)
- 2022                 Polaris Neuhauser: The spiders of the Mojave Desert
- 2019 – 2023        Casey Venable: The spiders of subterranean habitats in Virginia
- 2021 – 2022        Kyle Humerickhouse: A biogeographical study of the spider genus *Liocranoides* (Araneae: Zoropsidae).
- 2020 – 2022        Ajah Taylor: Spiders of Appalachia
- 2019 – 2022        Lauren Cochran: The spiders of Indiana fields
- 2019 – 2022        Caylie Wimmersberger: A revision of *Neodietrichia* (Araneae: Linyphiidae)
- 2021                 Carly Mabie: A biogeographical study of the spider genus *Liocranoides* (Araneae: Zoropsidae).
- 2020 – 2021        Primrose Paul: Spiders of Appalachia
- 2020 – 2021        Alex Flickinger: A biogeographical study of the spider genus *Liocranoides* (Araneae: Zoropsidae).
- 2018 – 2021        Spencer Burton: A biogeographical study of the spider genus *Liocranoides* (Araneae: Zoropsidae)
- 2018 – 2021        Esther Mullins: A revision of the genus *Neodietrichia* (Araneae: Linyphiidae)
- 2018 – 2021        Joseph Gonsiorowski: The effect of fire on spider diversity in a central Indiana forest
- 2018 – 2021        Nathan Tuft: The effect of fire on spider diversity in a central Indiana forest
- 2018 – 2020        Brandon Rhim: The spiders of subterranean habitats in Virginia
- 2017 – 2019        Lucas Frandsen: The effect of fire on spider diversity in a central Indiana forest
- 2017 – 2019        Erik Hart: Using DNA barcodes to determine species relationships in *Liocranoides*
- 2016 – 2019        Emily Stern: The effect of burning and mechanical felling on spider species richness and diversity in western North Carolina
- 2016 – 2019        Janise Acosta: The effect of fire on spider diversity in a central Indiana forest
- 2017 – 2018        Joel Williams: Using DNA barcodes to determine species relationships in *Liocranoides*

- 2017 – 2018 Alison Sobczak: The effect of fire on spider diversity in a central Indiana forest
- 2015 – 2018 Brodrick Deno: The effect of fire on spider diversity in a central Indiana forest.
- 2015 – 2018 Baothu Dinh: The effect of wildflower strips on spider richness and diversity near agricultural land in Florida.
- 2014 – 2018 Gabriele Madriz: A revision of the spider genus, *Epiceraticelus*
- 2017 – 2018 Isabelle Bergman: Using DNA barcodes to determine species relationships in *Liocranoides*
- 2016 – 2017 Marshal Sparenburg: The effect of fire on spider diversity in a central Indiana forest
- 2015 – 2016 Elizabeth Wells: Illustrating some of the smallest spiders in the world: the erigonines.
- 2015 – 2016 Tyler Ploss: The effect of fire on spider diversity in a central Indiana forest.
- 2015 Harleen Athwal: The role of intra-sexual competition in *Habronattus clypeatus* jumping spiders.
- 2014 Tyler Smith: The diversity of *Liocranoides* in Alabama caves.

## GRANTS AND FELLOWSHIPS

- 2023 Indiana Academy of Science Senior Research Grant, Indiana Academy of Science, \$3000
- 2023 Herb Levi Memorial Fund for Arachnological Research, American Arachnological Society, \$1000
- 2023 Stewart and Jarmila Peck Collection Enhancement Endowment travel grant to travel to the Florida Collection of Arthropods, \$1225
- 2023 CanaColl Grant to promote taxonomic research at the Canadian National Collection, of Insects, Arachnids, and Nematodes, The CanaColl Foundation, \$750
- 2020 Zerfas Travel Grant, University of Indianapolis, \$2500
- 2019 CanaColl Grant to promote taxonomic research at the Canadian National Collection, of Insects, Arachnids, and Nematodes, The CanaColl Foundation, \$500
- 2019 Faculty Scholarship Grant, University of Indianapolis, \$4000
- 2018 Visiting Scholarship Grant, The Field Museum, \$1000
- 2018 Hardwood Ecosystem Experiment subgrant (Indiana Department of Natural Resources), \$2,300
- 2018 Co-leader travel grant, University of Indianapolis, \$2000
- 2016 Co-leader travel grant, University of Indianapolis, \$2000
- 2016 Sigma Zeta Student Research Grant – Advising PI, \$500
- 2016 Senior Research Award, Indiana Academy of Science, \$1883
- 2015 Inquiry Grant, University of Indianapolis, \$723
- 2010 Travel Grant, Association of Southeastern Biologists, \$313
- 2009 Travel Grant, Association of Southeastern Biologists, \$200
- 2008 Virginia Bagley Scholarship, ODU, \$2,200
- 2008 Travel Grant, American Arachnological Society, \$350
- 2007 Harold G Marshall and Vivian J. Marshall Scholarship, ODU, \$1,837
- 2007 Arachnological Research Grant, American Arachnological Society, \$300

- 2007 Martina Wadewitz Haggard Award, UNCW Highlands Biological Station, \$1,750  
2002 Graduate Research Grant, University of North Florida, \$1,500

## RESEARCH POSITIONS

- 2023 – present Research Associate, Field Museum of Natural History

## CONFERENCE PRESENTATIONS

- 3/2024 A new genus of subterranean spiders from eastern USA. The 139<sup>th</sup> Annual Meeting of the Indiana Academy of Science. Indianapolis, IN.
- 9/2023 Using immediate feedback to improve assessment of freshmen in General Biology. Indiana College Biology Teachers Association Meeting, Franklin, IN.
- 6/2023 The taxonomy of the rarely-collected, wetland-dwelling spiders of *Floricomus* (Araneae: Linyphiidae). The 47<sup>th</sup> Annual Meeting of the American Arachnological Society. Ithaca, NY.
- 3/2023 Countless creatures of the caverns: Spelunking into Virginia's cave spider diversity. The 137<sup>th</sup> Annual Meeting of the Indiana Academy of Science. Indianapolis, IN.
- 1/2023 A conservation alliance. The 1<sup>st</sup> Annual Indiana Conservation Partners meeting. Indianapolis, IN.
- 6/2022 Sticky traps producing a sticky mess: The tree-dwelling spider genus, *Neodietrichia* (Araneae: Linyphiidae). The 46<sup>th</sup> Annual Meeting of the American Arachnological Society. Davis, CA.
- 6/2022 Maternally-inherited symbionts in spiders: diverse, novel, and mysterious. The 46<sup>th</sup> Annual Meeting of the American Arachnological Society. Davis, CA.
- 3/2022 A revision of *Neodietrichia*. The 137<sup>th</sup> Annual Meeting of the Indiana Academy of Science. Indianapolis, IN.
- 3/2022 Ghost hunting: A search for the rarest spider in North America, *Myrmekiaphila flavipes*. The 137<sup>th</sup> Annual Meeting of the Indiana Academy of Science. Indianapolis, IN. Poster.
- 8/2021 Effects of fire on ground-dwelling spider (Araneae) assemblages in central Indiana forests. The 105<sup>th</sup> Annual Meeting of the Ecological Society of America. Online.
- 6/2021 Effects of fire on ground-dwelling spider assemblages in central Indiana forests. The 45<sup>th</sup> Annual Meeting of the American Arachnological Society. Online.
- 3/2021 The effect of fire on spiders in central Indiana forests. The 136<sup>th</sup> Annual Meeting of the Indiana Academy of Science. Online.
- 3/2021 A revision of the tree-dwelling spider, *Neodietrichia*. The 136<sup>th</sup> Annual Meeting of the Indiana Academy of Science. Online.
- 3/2021 Emerging from the dark: Undescribed spiders from subterranean habitats in Virginia. The 136<sup>th</sup> Annual Meeting of the Indiana Academy of Science. Online.
- 6/2020 Increasing outreach opportunities for people of color within arachnology. The 44<sup>th</sup> Annual Meeting of the American Arachnological Society. Online.
- 9/2019 A testing of assessment methods for freshmen general biology students. Indiana College Biology Teachers Association Meeting, Hanover, IN.
- 6/2019 A phylogeographic study of *Liocranoides* (Araneae: Zoropsidae). The 43rd Annual Meeting of the American Arachnological Society. Lexington, VA.



- 3/2019 The effect of fire on spider assemblages in central Indiana forests. The 134<sup>th</sup> Annual Meeting of the Indiana Academy of Science. Indianapolis, IN.
- 3/2019 A survey of spiders for the Ecoblitz in Morgan-Monroe / Yellowwood State Forests in Indiana. The 134<sup>th</sup> Annual Meeting of the Indiana Academy of Science. Indianapolis, IN.
- 3/2019 Spiders at the Indiana Dunes National Park: New state records and undescribed species. The 134<sup>th</sup> Annual Meeting of the Indiana Academy of Science. Indianapolis, IN.
- 3/2019 Cave spiders of Appalachia: A phylogenetic study of *Liocranoides* (Araneae: Zoropsidae). The 134<sup>th</sup> Annual Meeting of the Indiana Academy of Science. Indianapolis, IN.
- 10/2018 Where the glaciers end: Newly discovered spiders highlight high diversity at a central Indiana nature preserve. The 45<sup>th</sup> Annual meeting of the Natural Areas Association, Bloomington, IN.
- 10/2018 The long-term effect of cutting and burning on spider abundance, diversity, and taxonomic composition in NC. The 45<sup>th</sup> Annual meeting of the Natural Areas Association, Bloomington, IN.
- 6/2018 The effect of wildflower strips on spider abundance and diversity. The 42<sup>nd</sup> Annual Meeting of the American Arachnological Society. Ypsilanti, MI.
- 4/2018 A new species of spider from Stygian River Cave. 2018 Indiana Cave Symposium, Bloomington, IN.
- 3/2018 An additional 100+ new spider distribution records in Indiana. The 133<sup>rd</sup> Annual Meeting of the Indiana Academy of Science, Indianapolis, IN.
- 3/2018 Identifying an unknown *Agyneta* sp. via DNA sequencing. The 133<sup>rd</sup> Annual Meeting of the Indiana Academy of Science, Indianapolis, IN.
- 3/2018 The effect of wildflower strips on spider abundance and diversity in Florida. The 133<sup>rd</sup> Annual Meeting of the Indiana Academy of Science, Indianapolis, IN.
- 3/2018 The effect of cutting and burning on spider abundance, composition, and diversity in North Carolina. The 133<sup>rd</sup> Annual Meeting of the Indiana Academy of Science, Indianapolis, IN.
- 3/2018 How to effectively teach biological writing to college freshmen and sophomores. The 133<sup>rd</sup> Annual Meeting of the Indiana Academy of Science, Indianapolis, IN.
- 3/2018 Identifying an unknown *Agyneta* sp. via DNA sequencing. Sigma Zeta National Meeting, Springfield, MO.
- 10/2017 Creating a syllabus for freshmen. Indiana College Biology Teachers Association Meeting, Indianapolis, IN.
- 7/2017 Two new species of *Eupoecilaema* (Cosmetidae) from Panama. The 41<sup>st</sup> Annual Meeting of the American Arachnological Society. Queretaro City, Queretaro, Mexico.
- 7/2017 A revision of *Epiceraticelus* (Araneae: Linyphiidae). The 41<sup>st</sup> Annual Meeting of the American Arachnological Society. Queretaro City, Queretaro, Mexico.
- 3/2017 Five recently found undescribed species and their mates from Indiana forests. The 132<sup>nd</sup> Annual Meeting of the Indiana Academy of Science. Indianapolis, IN.
- 3/2017 Eighteen new spider distribution records in Indiana. The 132<sup>nd</sup> Annual Meeting of the Indiana Academy of Science. Indianapolis, IN.
- 3/2017 A newly discovered horned spider in the genus *Epiceraticelus* (Araneae:

- Linyphiidae). The 132<sup>nd</sup> Annual Meeting of the Indiana Academy of Science. Indianapolis, IN.
- 3/2017 A preliminary survey of the diversity of spiders in Morgan-Monroe Forest. The 132<sup>nd</sup> Annual Meeting of the Indiana Academy of Science. Indianapolis, IN. Poster.
- 3/2017 An examination of spider diversity in wildflower plots from Northern and Central Florida. The 132<sup>nd</sup> Annual Meeting of the Indiana Academy of Science. Indianapolis, IN. Poster.
- 7/2016 The sampled red list index of spiders. The 20<sup>th</sup> International Congress of Arachnology. Golden, CO.
- 7/2016 Indiana spiders: Seventy-five new distribution records and five undescribed species. The 20<sup>th</sup> International Congress of Arachnology. Golden, CO. Poster.
- 3/2016 Eighteen new spider (Order: Araneae) distribution records from Indiana forests. The 131<sup>st</sup> Annual Meeting of the Indiana Academy of Science. Indianapolis, IN. Poster.
- 3/2016 Illustrating some of the smallest spiders in the world: the erigonines. The 131<sup>st</sup> Annual Meeting of the Indiana Academy of Science. Indianapolis, IN. Poster.
- 10/2015 A step-by-step approach to writing lab reports via interdepartmental collaboration. Indiana College Biology Teachers Association Meeting, Huntington, IN.
- 6/2015 A new species of *Liocranoides* (Tengellidae) from Alabama. The 39<sup>th</sup> Annual Meeting of the American Arachnological Society. Mitchell, SD.
- 4/2015 Using scanning electron microscopy to aid in the identification of some of the smallest spiders in the world. The 76<sup>th</sup> Annual Meeting of the Association of Southeastern Biologists. Chattanooga, TN. Poster.
- 3/2015 Using scanning electron microscopy to aid in the identification of some of the smallest spiders in the world. The 130<sup>th</sup> Annual Meeting of the Indiana Academy of Science. Indianapolis, IN. Poster.
- 4/2014 Purple pitcher plant (*Sarracenia purpurea*) pitcher size influences the presence or absence of *Aedes albopictus* larvae. The 75<sup>th</sup> Annual Meeting of the Association of Southeastern Biologists. Spartanburg, SC.
- 11/2013 A perilous mission: *Aedes albopictus* oviposition in the pitchers of the purple pitcher plant. The 48<sup>th</sup> Annual Meeting of the North Carolina Mosquito and Vector Control Association. Wrightsville Beach, NC.
- 7/2013 A preliminary study of spider diversity in the caves of northern Alabama and Georgia. The 37<sup>th</sup> Annual Meeting of the American Arachnological Society. Johnson City, TN. Poster.
- 4/2013 Environmental correlates of survival in the purple pitcher plant, *Sarracenia purpurea*. The 11<sup>th</sup> Annual Smithsonian Botanical Symposium. Washington, D.C. Poster.
- 10/2012 Importance of nectar and pigment in the capture of ants by carnivorous pitcher plants. The 5<sup>th</sup> Quadrennial Meeting of the North American Section of the International Union for the Study of Social Insects. Greensboro, NC. Poster.
- 4/2010 Spider residency contributes nutrients to the purple pitcher plant, *Sarracenia purpurea*. The 71<sup>st</sup> Annual Meeting of the Association of Southeastern Biologists. Asheville, NC.
- 4/2009 The effectiveness of the attraction mechanisms of the carnivorous plant, *Sarracenia purpurea*. The 70<sup>th</sup> Annual Meeting of the Association of Southeastern Biologists. Birmingham, AL.
- 11/2008 The effect of long and short-distance lures in the attraction of the triatomine bugs

- Triatoma dimidiata* and *Rhodnius prolixus*. The 56<sup>th</sup> Annual Meeting of the Entomological Society of America, Reno, NV.
- 6/2008 Arachnid kleptoparasitism of the purple pitcher plant, *Sarracenia purpurea*. The 37<sup>th</sup> Annual Meeting of the American Arachnological Society. Berkeley, CA.
- 5/2008 Nectar consumption by spiders: A crack in the generalist predator paradigm. The 86<sup>th</sup> Annual Meeting of the Virginia Academy of Science. Hampton, VA.
- 4/2008 Parasitizing the parasite: mite parasitism of mosquitoes in an urban environment. The 69<sup>th</sup> Annual Meeting of the Association of Southeastern Biologists. Spartanburg, SC.
- 4/2007 Survivorship of the Asian-tiger mosquito (*Aedes albopictus*) in the purple pitcher plant (*Sarracenia purpurea*): evidence for invasive facultative mutualism. The 68<sup>th</sup> Annual Meeting of the Association of Southeastern Biologists. Charleston, SC.
- 2/2007 The importance of color in the oviposition and meal-seeking behavior of *Aedes albopictus*. The 60<sup>th</sup> Annual Meeting of the Virginia Mosquito Control Association. Williamsburg, VA.

## INVITED TALKS

- 4/2023 From undergraduate to associate professor: A history of my research career. University of Indianapolis Scholars Showcase keynote talk.
- 4/2023 Spiders of Indiana. Master Naturalist Class. Southeastway Park, Indianapolis, IN.
- 3/2023 Ghost hunting: The conservation implications of finding lost species. Indiana Academy of Science keynote talk.
- 2/2023 Ghost hunting: Seeking out lost spider species in North America. University of Wisconsin – Green Bay biology department speakers series.
- 10/2022 Searching for ghosts: Hunting down lost spider species in North America. Eastern Illinois University speaker series. Charleston, IL.
- 7/2022 Indiana Spiders. Little River Wetlands Project speaker series. Fort Wayne, IN.
- 4/2022 Spiders of Indiana. Master Naturalist Class. Southeastway Park, Indianapolis, IN.
- 9/2021 Spiders in Indiana. Tippecanoe County Master Naturalist Class. Online.
- 6/2021 Spiders within Indiana. Tippecanoe County Park and Recreation Department, Wednesdays in the Wild speaker series, Lilly Nature Center, West Lafayette Park, West Lafayette, IN.
- 2/2020 A phylogeographic study of *Liocranoides* (Araneae: Zoropsidae). Butler University Seminar Series, Butler University, Indianapolis, IN.
- 11/2019 Spiders of the Indiana Dunes National Park. Indiana Dunes National Park Seminar series, Paul H. Douglas Environmental Center, Gary, IN.
- 4/2019 Indiana Spiders. Master Naturalist Class. Southeastway Park, Indianapolis, IN.
- 9/2018 Spiders in Indiana. Indiana Dunes National Lakeshore: Science Saturday, Paul H. Douglas Environmental Center, Gary, IN.
- 6/2018 Spiders at the Indiana Dunes National Lakeshore. Indiana Dunes National Lakeshore Seminar series, Paul H. Douglas Environmental Center, Gary, IN.
- 5/2018 Spiders within the Hardwood Ecosystem Experiment (HEE). Tippecanoe County Park and Recreation Department, Wednesdays in the Wild speaker series, Lilly Nature Center, West Lafayette Park, West Lafayette, IN.
- 12/2017 Spiders in Indiana: Recent discoveries. Illinois Natural History Survey, Seminar series, University of Urbana-Champaign, Champaign, IL.

- 3/2017 The Diversity of Spiders and Millipedes in Illinois and Indiana. Indiana Academy of Science, Biodiversity Symposium, Indianapolis, IN.
- 10/2016 Terrestrial arthropods of Indiana. Master Naturalist Class. Fort Harrison State Park, Indianapolis, IN.
- 3/2016 Spiders of Indiana. Master Naturalist Class. Lilly Nature Center at Celery Bog, West Lafayette, IN.
- 11/2008 Spiders and carnivorous plants: unraveling the association. Virginia Wesleyan College, Department of Biology, Norfolk, VA.
- 5/2008 Spiders and carnivorous plants. National Audubon Society, Norfolk Botanical Gardens, Norfolk, VA.
- 6/2006 Stealing from the predator: spiders as parasites of the carnivorous plant, *Sarracenia purpurea*. Virginia Native Plant Society, Norfolk Botanical Gardens, Norfolk, VA.

### UNIVERSITY/DEPARTMENTAL PRESENTATIONS

- 10/2023 Medicocriminal entomology. FOUND graduate student association, University of Indianapolis, Indianapolis, IN.
- 10/2022 Medicocriminal entomology. FOUND graduate student association, University of Indianapolis, Indianapolis, IN.
- 4/2022 A sampling of spider diversity in the Appalachian Mountains. Scholars Showcase, University of Indianapolis, Indianapolis, IN.
- 4/2022 Evaluating COI procedures using a tiny, poorly-known genus, *Tapinocyba*. Scholars Showcase, University of Indianapolis, Indianapolis, IN.
- 4/2022 A revision of *Neodietrichia*. Scholars Showcase, University of Indianapolis, Indianapolis, IN.
- 4/2022 Updates on the phylogeographic study of *Liocranoides* (Araneae: Zoropsidae). Scholars Showcase, University of Indianapolis, Indianapolis, IN.
- 4/2021 A revision of the tree-dwelling spider, *Neodietrichia*. Scholars Showcase, University of Indianapolis, Indianapolis, IN.
- 4/2021 The effect of fire on spiders in central Indiana forests. Scholars Showcase, University of Indianapolis, Indianapolis, IN.
- 4/2021 Updates on the phylogeographic study of *Liocranoides* (Araneae: Zoropsidae). Scholars Showcase, University of Indianapolis, Indianapolis, IN.
- 4/2019 A phylogeographic study of *Liocranoides* (Araneae: Zoropsidae). Scholars Day, University of Indianapolis, Indianapolis, IN.
- 4/2019 Spider research at the University of Indianapolis, University of Indianapolis, Indianapolis, IN.
- 4/2018 An additional 100+ new spider distribution records in Indiana. Scholars Day, University of Indianapolis, Indianapolis, IN. (Poster)
- 4/2018 Identifying an unknown *Agyneta* sp. via DNA sequencing. Scholars Day, University of Indianapolis, Indianapolis, IN. (Poster)
- 4/2018 The effect of wildflower strips on spider abundance and diversity in Florida. Scholars Day, University of Indianapolis, Indianapolis, IN.
- 4/2018 The effect of cutting and burning on spider abundance, composition, and diversity in North Carolina. Scholars Day, University of Indianapolis, Indianapolis, IN.

- 5/2017 An examination of spider diversity in wildflower plots from Northern and Central Florida. Summer Research Institute, University of Indianapolis, Indianapolis, IN.
- 5/2017 A preliminary examination of the effect of mechanical felling and burning on spider abundance and diversity in North Carolina. Summer Research Institute, University of Indianapolis, Indianapolis, IN. (Poster)
- 4/2017 An examination of spider diversity in wildflower plots from Northern and Central Florida. Honors Day, University of Indianapolis, Indianapolis, IN.
- 4/2017 A revision of the spider genus, *Epiceraticelus* (Araneae: Linyphiidae). Honors Day, University of Indianapolis, Indianapolis, IN.
- 4/2016 Illustrating some of the smallest spiders in the world: the erigonines. Honors Day, University of Indianapolis, Indianapolis, IN. (Poster)
- 2/2010 Ecological interactions between spiders and the purple pitcher plant, *Sarracenia purpurea*. Old Dominion University, Department of Biology, Norfolk, VA.
- 3/2009 The effectiveness of the attraction mechanisms of the carnivorous plant, *Sarracenia purpurea*. Old Dominion University, Department of Biology, Norfolk, VA.
- 4/2008 Spiders as victims of *Sarracenia* in Virginia and North Carolina. Old Dominion University, Department of Biology, Norfolk, VA.
- 4/2008 The effect of long and short-distance lures in the attraction of the triatomine bugs *Triatoma dimidiata* and *Rhodnius prolixus*. Research Exposition. Old Dominion University, Norfolk, VA.
- 4/2007 Araneae visitors of the purple pitcher plant, *Sarracenia purpurea*. Old Dominion University, Department of Biology, Norfolk, VA.
- 4/2007 Survivorship of the Asian Tiger mosquito (*Aedes albopictus*) in the Purple Pitcher Plant (*Sarracenia purpurea*): Evidence for invasive facultative mutualism. Research Exposition. Old Dominion University, Norfolk, VA.
- 5/2006 Niche expansion of the Asian tiger mosquito, *Aedes albopictus*. Old Dominion University, Department of Biology, Norfolk, VA.

## PUBLISHED CONFERENCE ABSTRACTS

- Milne, M. A. and C. W. Harden. A new genus of subterranean spiders from eastern USA. The 139<sup>th</sup> Annual Meeting of the Indiana Academy of Science. Indianapolis, IN, 2024.
- Milne, M. A. and B. Tyler. The taxonomy of the rarely-collected, wetland-dwelling spiders of *Floricomus* (Araneae: Linyphiidae). The 47<sup>th</sup> Annual Meeting of the American Arachnological Society. Ithaca, NY, 2023.
- Venable, C. and M. A. Milne. Countless creatures of the caverns: Spelunking into Virginia's cave spider diversity. The 137<sup>th</sup> Annual Meeting of the Indiana Academy of Science. Indianapolis, IN, 2023.
- Milne, M. A. and C. Wimmersberger. Sticky traps producing a sticky mess: The tree-dwelling spider genus, *Neodietrichia* (Araneae: Linyphiidae). The 46<sup>th</sup> Annual Meeting of the American Arachnological Society. Davis, CA, 2022.
- White, J., L. Rosenwald, M. Mowery, E. Chapman, Y. Lubin, M. Segoli, M. Milne, and P. Watson. Maternally-inherited symbionts in spiders: diverse, novel, and mysterious. The 46<sup>th</sup> Annual Meeting of the American Arachnological Society. Davis, CA, 2022.
- Wimmersberger, C. and M. A. Milne. A revision of *Neodietrichia*. The 136<sup>th</sup> Annual Meeting of the Indiana Academy of Science. Indianapolis, IN, 2022.

- Venable, C. and **M. A. Milne**. Ghost hunting: A search for the rarest spider in North America, *Myrmekiaphila flavipes*. The 136th Annual Meeting of the Indiana Academy of Science. Indianapolis, IN. Poster, 2022.
- Milne, M. A.**, Gonsiorowski, J., N. Tuft, B. Deno, T. Ploss, J. Acosta, L. Frandsen, and C. Venable. Effects of fire on ground-dwelling spider (Araneae) assemblages in central Indiana forests. The 105<sup>th</sup> Annual Meeting of the Ecological Society of America. Online, 2021.
- Milne, M. A.**, Gonsiorowski, J., N. Tuft, B. Deno, T. Ploss, J. Acosta, L. Frandsen, and C. Venable. Effects of fire on ground-dwelling spider assemblages in central Indiana forests. The 45<sup>th</sup> Annual Meeting of the American Arachnological Society. Online, 2021.
- Gonsiorowski, J., N. Tuft, **M. A. Milne**, B. Deno, T. Ploss, J. Acosta, L. Frandsen, and C. Venable. The effect of fire on spiders in central Indiana forests. The 135<sup>th</sup> Annual Meeting of the Indiana Academy of Science. Online, 2021.
- Wimmersberger, C. and **M. A. Milne**. A revision of the tree-dwelling spider, *Neodietrichia*. The 135<sup>th</sup> Annual Meeting of the Indiana Academy of Science. Online, 2021.
- Milne, M. A.**, Tom Malabad, Katarina Kosič Ficco, and Wil Orndorff. Emerging from the dark: Undescribed spiders from subterranean habitats in Virginia. The 135<sup>th</sup> Annual Meeting of the Indiana Academy of Science. Online, 2021.
- Milne, M.**, E. Hart, S. Burton, J. Williams, K. Zigler, N. C. Mann, M. E. Yancey, M. L. Niemiller, and J. Campbell. A phylogeographic study of *Liocranoides* (Araneae: Zoropsidae). The 43<sup>rd</sup> Annual Meeting of the American Arachnological Society. Lexington, VA, 2019.
- Gonsiorowski, J., N. Tuft, J. Acosta, L. Frandsen, and **M. Milne**. The effect of fire on spider assemblages in central Indiana forests. The 134<sup>th</sup> Annual Meeting of the Indiana Academy of Science. Indianapolis, IN, 2019.
- Bishop, L. and **M. Milne**. A survey of spiders for the Ecoblitz in Morgan-Monroe / Yellowwood State Forests in Indiana. The 134<sup>th</sup> Annual Meeting of the Indiana Academy of Science. Indianapolis, IN, 2019.
- Milne, M.** Spiders at the Indiana Dunes National Park: New state records and undescribed species. The 134<sup>th</sup> Annual Meeting of the Indiana Academy of Science. Indianapolis, IN, 2019.
- Hart, E. and **M. Milne**. Cave spiders of Appalachia: A phylogenetic study of *Liocranoides* (Araneae: Zoropsidae). The 134<sup>th</sup> Annual Meeting of the Indiana Academy of Science. Indianapolis, IN, 2019.
- Milne, M.**, B. Dinh, J. Campbell, and J. Ellis. The effect of wildflower strips on spider abundance and diversity in Florida. The 42<sup>nd</sup> Annual Meeting of the American Arachnological Society. Ypsilanti, MI, 2018.
- Milne, M.**, J. Louderman, B. Foster, I. Grijalva, J. J. Lewis, L. Bishop, B. L. Deno, J. Acosta, L. Frandsen, and E. Stern. An additional 100+ new spider distribution records in Indiana. The 133<sup>rd</sup> Annual Meeting of the Indiana Academy of Science, Indianapolis, IN. 2018.
- Deno, B. and **M. Milne**. Identifying an unknown *Agynta* sp. via DNA sequencing. The 133<sup>rd</sup> Annual Meeting of the Indiana Academy of Science, Indianapolis, IN. 2018.
- Dinh, B., **M. Milne**, J. W. Campbell, J. C. Daniels, and J. D. Ellis. The effect of wildflower strips on spider abundance and diversity in Florida. The 133<sup>rd</sup> Annual Meeting of the Indiana Academy of Science, Indianapolis, IN. 2018.
- Stern, E., **M. Milne**, J. W. Campbell, S. M. Grodsky, P. Vigueira, C. C. Vigueira, and C. H.

- Greenberg. The effect of cutting and burning on spider abundance, composition, and diversity in North Carolina. The 133<sup>rd</sup> Annual Meeting of the Indiana Academy of Science, Indianapolis, IN. 2018.
- Milne, M. and L. Milne. How to effectively teach biological writing to college freshmen and sophomores. The 133<sup>rd</sup> Annual Meeting of the Indiana Academy of Science, Indianapolis, IN. 2018.
- Milne, M. A., M. L. Draney, M. Ulyshen, and G. Madriz. A revision of *Epiceraticelus* (Araneae: Linyphiidae). The 41<sup>st</sup> Annual Meeting of the American Arachnological Society. Queretaro, Mexico, 2017.
- Milne, M. Five recently found undescribed species and their mates from Indiana forests. The 132<sup>nd</sup> Annual Meeting of the Indiana Academy of Science. Indianapolis, IN. 2017.
- L. Frandsen, M. Milne, B. Deno, M. Sparenberg. Eighteen new spider distribution records in Indiana. The 132<sup>nd</sup> Annual Meeting of the Indiana Academy of Science. Indianapolis, IN. 2017.
- Madriz, G., M. Milne, M. L. Draney, and M. Ulyshen. A newly discovered horned spider in the genus *Epiceraticelus* (Araneae: Linyphiidae). The 132<sup>nd</sup> Annual Meeting of the Indiana Academy of Science. Indianapolis, IN. 2017.
- Bishop, L., M. Milne, B. Foster. A preliminary survey of the diversity of spiders in Morgan-Monroe Forest. The 132<sup>nd</sup> Annual Meeting of the Indiana Academy of Science. Indianapolis, IN. Poster.
- Dinh, B., M. Milne, J. W. Campbell, J. C. Daniels, and J. D. Ellis. An examination of spider diversity in wildflower plots from Northern and Central Florida. The 132<sup>nd</sup> Annual Meeting of the Indiana Academy of Science. Indianapolis, IN. Poster. 2017.
- Cardoso, P., S. Henriques, S. Seppala, M. L. Draney, A. T. Gibbons, S. Kariko, J. Malumbres-Olarte, M. Milne, C. Vink, and P. Cushing. The IUCN Spider Specialist Group. The 40<sup>th</sup> Annual Meeting of the American Arachnological Society and the 20<sup>th</sup> International Congress of Arachnology (Joint meeting). Golden, CO, 2016.
- Milne, M. A., B. Foster, J. J. Lewis, L. Bishop, A. Hoffman, T. Ploss, and B. Deno. Seventy-two new spider distribution records and four undescribed species from Indiana forests. The 40<sup>th</sup> Annual Meeting of the American Arachnological Society and the 20<sup>th</sup> International Congress of Arachnology (Joint meeting). Golden, CO, 2016.
- Milne, M. Eighteen new spider (Order: Araneae) distribution records from Indiana forests. The 131<sup>st</sup> Annual Meeting of the Indiana Academy of Science. Indianapolis, IN. Poster. 2016.
- Wells, E. and M. Milne. Illustrating some of the smallest spiders in the world: the erigonines. The 131<sup>st</sup> Annual Meeting of the Indiana Academy of Science. Indianapolis, IN. Poster. 2016.
- Milne, M., J. Campbell, A. Abbate, T. Smith, B. Campbell, and J. Ledford. A new species of *Liocranoides* (Tengellidae) from Alabama. The 39<sup>th</sup> Annual Meeting of the American Arachnological Society. Mitchell, SD, 2015.
- Madriz, G. and M. Milne. Using scanning electron microscopy to aid in the identification of some of the smallest spiders in the world. The 76<sup>th</sup> Annual Meeting of the Association of Southeastern Biologists. Chattanooga, TN, 2015.
- Madriz, G. and M. Milne. Using scanning electron microscopy to aid in the identification of some of the smallest spiders in the world. The 130<sup>th</sup> Annual Meeting of the Indiana Academy of Science. Indianapolis, IN. Poster. 2015.
- Milne, M.A. and M. Schwarz. Size Matters: Purple pitcher plant (*Sarracenia purpurea*) pitcher

- size influences the presence or absence of *Aedes albopictus* larvae. The 75<sup>th</sup> Annual Meeting of the Association of Southeastern Biologists. Spartanburg, SC, 2014.
- Milne, M. A., J. McAndrews, and D. A. Waller. Environmental correlates of survival in the purple pitcher plant, *Sarracenia purpurea*. The 11<sup>th</sup> Annual Smithsonian Botanical Symposium. Washington, D.C., 2013.
- Milne, M. A. and D. A. Waller. Spider residency contributes nutrients to the purple pitcher plant, *Sarracenia purpurea*. The 71<sup>st</sup> Annual Meeting of the Association of Southeastern Biologists. Asheville, NC, 2010.
- Milne, M. A. and D. A. Waller. The effectiveness of the attraction mechanisms of the carnivorous plant, *Sarracenia purpurea*. The 70<sup>th</sup> Annual Meeting of the Association of Southeastern Biologists. Birmingham, AL, 2009.
- Milne, M. A., D. E. Sonenshine, and P. Kirsch. The effect of long and short-distance lures in the attraction of the triatomine bugs *Triatoma dimidiata* and *Rhodnius prolixus*. The 56<sup>th</sup> Annual Meeting of the Entomological Society of America, Reno, NV, 2008.
- Milne, M. A. and D. A. Waller. Arachnid kleptoparasitism of the purple pitcher plant, *Sarracenia purpurea*. The 32<sup>nd</sup> Annual Meeting of the American Arachnological Society. Berkeley, CA, 2008.
- Milne, M. A., V. R. Townsend Jr., P. A. Smelser, F. Smith, B. E. Felgenhauer and M. K. Moore. Parasitizing the parasite: mite parasitism of mosquitoes in an urban environment. The 69<sup>th</sup> Annual Meeting of the Association of Southeastern Biologists. Spartanburg, SC, 2008.
- Milne, M. A., N. A. Grefe III and D. A. Waller. Survivorship of the Asian-tiger mosquito (*Aedes albopictus*) in the purple pitcher plant (*Sarracenia purpurea*): evidence for invasive facultative mutualism. The 68<sup>th</sup> Annual Meeting of the Association of Southeastern Biologists. Charleston, SC, 2007.

## SELF-PUBLISHED TEACHING MATERIAL

- Milne, M., S. Davis, D. Scholes, and M. Gobbett. 2019. General Biology I: Introduction to the Diversity of Life, Laboratory Manual (V.9). Indianapolis (IN): Self-published 234 pp.
- Milne, M., S. Davis, D. Scholes, and M. Gobbett. 2019. General Biology I: Introduction to the Diversity of Life, Laboratory Manual (V.8). Indianapolis (IN): Self-published 220 pp.
- Milne, M., S. Davis, D. Scholes, and M. Gobbett. 2018. General Biology I: Introduction to the Diversity of Life, Laboratory Manual (V.7). Indianapolis (IN): Self-published 216 pp.
- Milne, M., M. Gobbett, K. Baker, and D. Stemke. 2018. General Biology II: Introduction to Cell Biology, Laboratory Manual (V.7). Indianapolis (IN): Self-published 161 pp.
- Milne, M., S. Davis, D. Scholes, and M. Gobbett. 2018. General Biology I: Introduction to the Diversity of Life, Laboratory Manual (V.6). Indianapolis (IN): Self-published 264 pp.
- Milne, M., M. Gobbett, K. Baker, and D. Stemke. 2018. General Biology II: Introduction to Cell Biology, Laboratory Manual (V.6). Indianapolis (IN): Self-published 196 pp.
- Milne, M., S. Davis, D. Scholes, and M. Gobbett. 2017. General Biology I: Introduction to the Diversity of Life, Laboratory Manual (V.5). Indianapolis (IN): Self-published 278 pp.
- Milne, M., K. Baker, and D. Stemke. 2017. General Biology II: Introduction to Cell Biology, Laboratory Manual (V.5). Indianapolis (IN): Self-published 225 pp.
- Milne, M., S. Davis, D. Scholes, and M. Gobbett. 2017. General Biology I: Introduction to the Diversity of Life, Laboratory Manual (V.4). Indianapolis (IN): Self-published 278 pp.
- Milne, M., K. Baker, and D. Stemke. 2017. General Biology II: Introduction to Cell Biology,



- Laboratory Manual (V.4). Indianapolis (IN): Self-published 226 pp.
- Milne, M.** and S. Davis. 2016. General Biology I: Introduction to the Diversity of Life, Laboratory Manual (V.3). Indianapolis (IN): Self-published 214 pp.
- Milne, M.**, K. Baker, and D. Stemke. 2016. General Biology II: Introduction to Cell Biology, Laboratory Manual (V.3). Indianapolis (IN): Self-published 212 pp.
- Milne, M.** and S. Davis. 2016. General Biology I: Introduction to the Diversity of Life, Laboratory Manual (V.2). Indianapolis (IN): Self-published 184 pp.
- Milne, M.**, K. Baker, and D. Stemke. 2016. General Biology II: Introduction to Cell Biology, Laboratory Manual (V.2). Indianapolis (IN): Self-published 204 pp.
- Milne, M.** and S. Davis. 2015. General Biology I: Introduction to the Diversity of Life, Laboratory Manual (V.1). Indianapolis (IN): Self-published 183 pp.
- Milne, M.**, K. Baker, K. Gribbins, and D. Stemke. 2015. General Biology II: Introduction to Cell Biology, Laboratory Manual (V.1). Indianapolis (IN): Self-published 202 pp.

## **HONORS, DISTINCTIONS, AND AWARDS**

- |      |  |
|------|--|
| 2024 | Distinguished Scholar Award, Indiana Academy of Science                    |
| 2023 | Academy Fellow, Indiana Academy of Science                                 |
| 2023 | Honors Mentor of the Year Nominee, University of Indianapolis              |
| 2022 | Outstanding Scholar Award, University of Indianapolis                      |
| 2022 | Honors Mentor of the Year Nominee, University of Indianapolis              |
| 2021 | Ron and Laura Strain Honors Faculty Fellow, University of Indianapolis     |
| 2019 | Teacher of the Year Nominee, University of Indianapolis                    |
| 2017 | Faculty Achievement Award, University of Indianapolis                      |
| 2010 | Outstanding Graduate Teaching Award for the Dept. of Biology at ODU        |
| 2009 | Eugene P. Odum Award, Ecological Society of America (Southeastern Chapter) |
| 2009 | 1 <sup>st</sup> prize, ODU Biology Symposium                               |
| 2008 | Honorable Mention, ODU Research Expo                                       |
| 2008 | 1 <sup>st</sup> prize, ODU Biology Symposium                               |
| 2007 | Honorable Mention, ODU Research Expo                                       |
| 2007 | 1 <sup>st</sup> prize, ODU Biology Symposium                               |

## **SERVICE TO PROFESSION**

### **Biological Inventories**

- |           |   |
|-----------|---|
| 6/21/2022 | EcoBlitz through the Indiana Division of Natural Resources and Indiana Forest Alliance at Hoosier National Forest, Nebo Ridge Trail |
| 6/4/2022  | Beanblossom Bottoms bioblitz near Bloomington, IN through the Indiana Academy of Science (spider team leader)                       |
| 6/19/2021 | Mosquito Creek bioblitz near Corydon, IN through the Indiana Academy of Science (Bioblitz coordinator, spider team leader)          |
| 8/27/2020 | Southwestway Park in Indianapolis, IN through Butler University (Insect and spider team leader)                                     |
| 8/10/2019 | Ecoblitz through the Indiana Division of Natural Resources and Indiana Forest Alliance at Hoosier National Forest                   |

- 6/29/2019 Poor Handmaids of Jesus Christ bioblitz in Donaldson, IN through the Indiana Academy of Science (Spider team leader)
- 6/2/2018 Eagle Creek Park bioblitz in Indianapolis, IN through the Indiana Academy of Science (Spider team leader)
- 6/10/2017 White River Woods and McVey Memorial Forest bioblitz near Muncie, IN through the Indiana Academy of Science (Spider team leader)
- 9/17/2016 Restoring Our Waterways bioblitz in Indianapolis (Spider team leader)
- 7/16/2016 EcoBlitz through the Indiana Division of Natural Resources and Indiana Forest Alliance at Morgan-Monroe State Park
- 6/18/2016 Goose Pond Fish and Wildlife Area Bioblitz through the Indiana Academy of Science (Spider team leader)
- 6/6/2015 EcoBlitz through the Indiana Division of Natural Resources and Indiana Forest Alliance at Morgan-Monroe State Park
- 5/16/2015 Hills of Gold Bioblitz through the Indiana Academy of Science at Glacier's End Forest Preserve (Spider team leader)
- 9/14/2014 EcoBlitz through the Indiana Division of Natural Resources and Indiana Forest Alliance at Morgan-Monroe State Park

### **Guest Curation Work**

- 1/8 – 1/12/2024 Visited the Florida State Collection of Arthropods in Gainesville, FL to help curate their spider collection.
- 5/8 – 5/12/2023 Visited the Canadian National Collection in Ottawa, Canada to help curate their spider collection.
- 3/9 – 3/13/2023 Visited the Field Museum of Natural History in Chicago, IL to help curate their spider collection.
- 2/21/2023 Visited the Virginia Museum of Natural History in Martinsville, VA to help curate their spider collection.
- 8/18 – 8/20/2022 Visited the Field Museum of Natural History in Chicago, IL to help curate their spider collection.
- 6/20 – 6/21/2019 Visited the Virginia Museum of Natural History in Martinsville, VA to help curate their spider collection.
- 5/27 – 5/31/2019 Visited the Canadian National Collection in Ottawa, Canada to help curate their spider collection.
- 3/18 – 3/23/2019 Visited the Field Museum of Natural History in Chicago, IL to help curate their spider collection.
- 6/18 – 6/23/2018 Visited the Canadian National Collection in Ottawa, Canada to help curate their spider collection.
- 3/15 – 3/18/2018 Visited the Field Museum of Natural History in Chicago, IL to help curate their spider collection.

### **Journal Editorial Board Member**

*Proceedings of the Indiana Academy of Science: Zoology*

## Guest Editor

*Southeastern Naturalist*

## Manuscript Reviewer

*American Museum Novitates*  
*Arthropod Systematics*  
*Biodiversity Data Journal*  
*Biological Invasions*  
*Diversity*  
*Ecological Restoration*  
*Environmental Entomology*  
*FEMS Microbiology Ecology*  
*Forest Ecology and Management*  
*Journal of Arachnology*  
*Journal of Cave and Karst Studies*  
*Megataxa*  
*Parasites and Vectors*  
*PeerJ*  
*Proceedings of the Royal Society B*  
*Southeastern Naturalist*  
*SpringerPlus*  
*ZooKeys*  
*Zootaxa*

## Textbook Reviewer

*Ecology: An Evolutionary Perspective*

## State Wildlife Action Plan (SWAP) Contributor and Reviewer

*Indiana 2023 SWAP*  
*Virginia 2023 SWAP*

## PROFESSIONAL MEMBERSHIPS AND POSITIONS

- |                |   |
|----------------|---|
| 2004 – present | American Arachnological Society <ul style="list-style-type: none"><li>• Vincent Roth Fund selection subcommittee <b>Chair</b>: 2019 – present</li><li>• Grants committee member: 2017 – present</li><li>• Poster and presentation judge: 2018 – present</li></ul> |
| 2008 – present | Entomological Society of America  |
| 2014 – present | Indiana Academy of Science <ul style="list-style-type: none"><li>• <b>President</b>: 2022 - 2023</li><li>• <b>President-elect</b>: 2021 - 2022</li><li>• Biodiversity and Natural Areas Committee <b>Chair</b>: 2019 – 2020</li></ul>                             |

- Social Media Working Group: 2020 - 2022
  - Budget Committee: 2019 – present
  - Biodiversity and Natural Areas Committee member: 2015 - present
  - Senior Research Grant Committee: 2019 – 2021
  - Zoology and Entomology Section **Chair**: 2018 – 2019
  - Zoology and Entomology Section **Vice-chair**: 2017 – 2018
- 2014 – present Indiana College Biology Teachers Association
- Media coordinator: 2015 - present
- 2015 – present National Speleological Society
- 2015 – present Indiana Karst Conservancy
- Secretary: 2018 - 2021
- 2015 – present Central Indiana Grotto
- 2015 – present IUCN Spider and Scorpion Specialists Group
- 2016 – present Alabama Cave Survey
- 2017 – present Natural Areas Association
- 2019 – present Indiana Natural Resources Commission
- Scientific advisor
- 2021 – present Ecological Society of America
- 2004 – 2019 International Carnivorous Plant Society
- 2013 – 2014 North Carolina Science Olympiad
- Event leader for “Designer Genes” event: 2013 – 2014
- 2007 – 2015 Association of Southeastern Biologists
- 2004 – 2010 Society of Wetland Scientists
- 2007 – 2010 Golden Key International Honour Society
- 2007 – 2008 American Mosquito Control Association

## **EXTRACURRICULAR UNIVERSITY SERVICE**

- 2018 – 2019 Mentor of new faculty member, Dr. George Ricco.
- 2017, 2018 University of Indianapolis Honors Retreat Leader
- 2015 – 2019 University of Indianapolis Ice Hockey Club – Faculty Advisor
- 2004 – 2010 Old Dominion University Biology Graduate Student Association  
(President: 2007 – 2008; Treasurer: 2005 – 2006)
- 2007 – 2010 Old Dominion University Graduate Student Organization (Vice-President: 2008 – 2009)

## **COMMUNITY OUTREACH**

- 2022 Volunteered at the “Arach-NO-phobia” station at BugFest 2022 at Southeastway Park.
- 2018 Visited Hanover College as a guest lecturer on spider anatomy and diversity for an Entomology course.
- 2017 Participated in Creepy Crawly Fest in Terre Haute by conducting a presentation and forest walk on local spider fauna.
- 2015 Participated in Decatur Township School for Excellence passage critique.

- 2015 Participated in Seymour Community School Bioblitz with elementary school students.
- 2007 “Strange Garden: A seminar on Virginia’s curious and fascinating native plants.” Portsmouth Courthouse Gallery Museum, May 19<sup>th</sup>.

## **MEDIA COVERAGE**

- 2024 Featured on the New Species podcast to discuss arthropod collecting techniques.
- 2024 Research on spiders, including new *Nesticus* species, was discussed in an interview on *The Roundtable Perspective* on PBS Chicago.
- 2023 Research on new *Nesticus* spider species in Appalachia was published by *The Appalachian Voice* magazine on October 27<sup>th</sup>.
- 2023 Gave an interview for Brains On! by American Public Media about spiders and spider webs.
- 2023 Our scientific work on 10 new species of *Nesticus* from Appalachia was featured on the New Species podcast
- 2019 Featured guest on Hoosier History Live, a radio show on WICR 88.7FM, to discuss spider research in Indiana.
- 2017, 2018 Research featured on the Great Lakes Research and Education Center Facebook page for my research done at the Indiana Dunes National Lakeshore.
- 2018 Research on a new species of spider (*Islandiana lewisi*) featured on television on WGN Chicago morning news and PBS, on the radio by PBS/NPR Bloomington, in print in IndyStar, and online by CBC News Canada, Gizmodo, Phys.org, Yahoo.com, FOX News, Smithsonian Magazine, Iflscience, and other similar websites.
- 2016 Research featured online at FOX News, Yahoo! News, Washington Times, FOX59, TV6ABC, 93.1FM WIBC, and in print in Outdoor Indiana magazine and IndyStar, and on the radio and TV for public news WTIU.
- 2016 Research featured on Hardwood Ecosystem Experiment’s website: <https://www.purdue.edu/fnr/hee/research-activities/#spiders>.
- 2016 Research featured in the Summer 2016 issue of the “Forest Defender,” the newsletter for the Indiana Forest Alliance.
- 2016 Interviewed by Herald-Times (Bloomington) about Goose Pond Bioblitz.
- 2016 Featured on WTWO NBC / WAWV ABC news for participation in the Goose Pond Bioblitz
- 2015 1400 Magazine: “Discovering new species of invertebrates: spiders, millipedes, pseudoscorpions.” Online at: <https://1400.uindy.edu/2015/06/23/discovering-new-species-of-invertebrates-spiders-millipedes-pseudoscorpions/>
- 2015 UIndy News: “Prof’s cave crawl turns up new spider species.” Online at: <http://news.uindy.edu/2015/06/15/profs-cave-crawl-turns-up-new-spider-species/>
- 2015 Newspaper article: “From birds to butterflies, it’s science alive.” On the front page of “The Tribune” of Jackson County, Indiana.
- 2008 Carnivorous Plants of North Carolina, Heart of the High Country (Highlands, NC, local TV show)

## **ADDITIONAL TRAINING**

- 6/2016 IUCN Red List Assessment Training Workshop, Colorado School of Mines, Golden, CO
- 9/2014 F.A. Davis Company Webinar: Teaching Basic Study Skills
- 9/2013 iDigBio Invertebrate Imaging Workshop, University of Michigan, Ann Arbor, MI
- 4/2011 iPlant Faculty Workshop on DNA barcoding and analysis, NC A&T University, Greensboro, NC

## NON-PEER-REVIEWED PUBLICATIONS

- Milne, M. A., N. Sandlin, and M. L. Draney. 2023. Centennial Reenactment of the 1923 Crosby & Bishop Southeastern Spider Expedition. *American Arachnology*: No. 91.
- Milne, M. 2017. Species surveys within the Garrison Chapel Karst Area hint at high species richness. *Indiana Karst Conservancy Update*: No. 126.

## NON-UNIVERSITY WORK

- 2016 – 2017 Arthropod Taxonomist, Dept. of Biology, University of Florida, Gainesville, FL
- 2016 Arthropod Taxonomist, Dept. of Biology, High Point University, High Point, NC
- 2007 – 2009 Biology Research Assistant, Old Dominion University, Department of Biology: Research consisted of studying the effect of long and short-distance lures in the attraction of the triatomine bugs *Triatoma dimidiata* and *Rhodnius prolixus*.
- 6/2006 – 8/2006; Vector Control Assistant Biologist, Department of Public Health, City of  
6/2005 – 8/2005 Norfolk, Norfolk, VA
- 1/2003 – 7/2004 Extraction and Gas Chromatography Specialist, Advanced Environmental Labs, Jacksonville, FL

## REFERENCES

- Dr. Robb Bennett (robb.bennett@shaw.ca): Research Associate at the Royal British Columbia Museum, specialist in western North American spider taxonomy.
- Dr. Glené Mynhardt (mynhardt@hanover.edu): Associate Professor of biology at Hanover College, Indiana, specialist in beetle taxonomy and ecology.
- Dr. Michael L. Draney (draneym@uwgb.edu): Professor of Biology and Chair of the biology department at University of Wisconsin-Green Bay, specialist in eastern North American linyphiid spider ecology and taxonomy.
- Dr. Julian J. Lewis (lewisbioconsult@gmail.com): Independent subterranean biological consultant in Indiana, leading North American specialist in isopod taxonomy.
- Dr. Marshal Hedin (mhedin@sdsu.edu): Professor and associate Chair of the biology department at San Diego State University, specialist on speciation, phylogenetics, and biodiversity.