

E.K. Moody 1 April 2022

Eric K. Moody

Middlebury College
Department of Biology
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EDUCATION

- 2017 Ph.D., Biology, Arizona State University, Tempe, AZ
- 2012 M.S., Biology, Arizona State University, Tempe, AZ
- 2009 B.S., Zoology & Biological Aspects of Conservation, University of Wisconsin-Madison, Madison, WI

PROFESSIONAL POSITIONS

- 2019- Assistant Professor, Dept. of Biology, Middlebury College, Middlebury, VT
- 2018-2019 USDA NIFA Post-Doctoral Fellow, Dept. of Ecology, Evolution, and Organismal Biology, Iowa State University, Ames, IA
- 2017-2018 Post-Doctoral Research Associate, Dept. of Ecology, Evolution, and Organismal Biology, Iowa State University, Ames, IA

PUBLICATIONS

*undergraduate mentee author

Peer-Reviewed Publications

- (24) Armstrong M.E.*, D. Minkoff, A.H. Dittman, D. May, **E.K. Moody**, T.P. Quinn, J. Atema, & W.R. Ardren. 2022. Evidence of an olfactory imprinting window in embryonic Atlantic salmon. *Ecology of Freshwater Fish* 31: 270-279.
- (23) **Moody E.K.**, T.J. Butts, R. Fleck, P.D. Jeyasingh, & G.M. Wilkinson. 2022. Eutrophication-driven eco-evolutionary dynamics indicated by differences in stoichiometric traits among populations of *Daphnia pulicaria*. *Freshwater Biology* 67: 353-364.
- (22) **Moody E.K.**, K.L. Sterup*, & M.L. Lozano-Vilano. 2021. Morphological evidence of maladaptation to introduced predators in *Gambusia senilis* from its extant range in the Conchos basin (Chihuahua, Mexico). *Western North American Naturalist* 81: 372-384.

- (21) Hopfensperger K., E. Larson, S. Washko, & **E. Moody**. 2021. Elevate your work through incorporation of public engagement. *Freshwater Science* 40: 221-227.
- (20) Abernethy E.F., I. Arismendi, A.G. Boegehold, C. Colón-Gaud, M.R. Cover, E.I. Larson, **E.K. Moody**, B.E. Penaluna, A.J. Shogren, A.J. Webster, & M.M. Woller-Skar. 2020. Diverse, equitable, and inclusive scientific societies: Progress and opportunities in the Society for Freshwater Science. *Freshwater Science* 39: 363-376.
- (19) **Moody E.K.**, E. Albright, K. Cope*, R. Fleck, H. Grigel, D. Ortiz, and G.M. Wilkinson. 2019. Taxonomic and geographic gaps in the functional importance of imperilled fishes. *Fish and Fisheries* 20: 795-801.
- (18) **Moody E.K.**, F. Alda, K.A. Capps, O. Puebla, & B.L. Turner. 2019. Trophic trait evolution explains variation in nutrient excretion stoichiometry among Panamanian armored catfishes (Loricariidae). *Diversity* 11: 88.
- (17) **Moody E.K.**, N.K. Lujan, K.A. Roach, & K.O. Winemiller. 2019. Threshold elemental ratios and the temperature-dependence of herbivory in fishes. *Functional Ecology* 33: 913-923.
- (16) Ambus N.* & **E.K. Moody**. 2019. Size-based sexual dimorphism of nitrogen excretion in livebearing fishes. *Ecology of Freshwater Fish* 28: 222-228.
- (15) **Moody E.K.** & G.M. Wilkinson. 2019. Functional shifts in lake zooplankton communities with hypereutrophication. *Freshwater Biology* 64: 608-616.
- (14) **Moody E.K.**, E.W. Carson, J.R. Corman, H. Espinosa-Pérez, J. Ramos, J.L. Sabo, & J.J. Elser. 2018. Consumption explains intraspecific variation in nutrient recycling stoichiometry in a desert fish. *Ecology* 99: 1552-1561.
- (13) **Moody E.K.** & M.L. Lozano-Vilano. 2018. Predation drives morphological convergence in the *Gambusia panuco* species group among lotic and lentic habitats. *Journal of Evolutionary Biology* 31: 491-501.
- (12) **Moody E.K.**, Y. Astudillo-Scalia, A. La Porte, C. Swanson*, & J.R. Corman. 2018. Consumption of animal carcasses and other terrestrial detritus by the putative leaf shredder *Phylloicus mexicanus* (Trichoptera: Calamoceratidae). *The Southwestern Naturalist* 63: 76-81.
- (11) **Moody E.K.**, A.T. Rugenski, J.L. Sabo, B.L. Turner, & J.J. Elser. 2017. Does the growth rate hypothesis apply across temperatures? Variation in the growth rate and body phosphorus content of Neotropical benthic grazers. *Frontiers in Environmental Science* 5: 14.

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- (10) **Moody E.K.** & J.L. Sabo. 2017. Dissimilarity in the riparian arthropod communities along surface water permanence gradients in aridland streams. *Ecohydrology* 10: e1819.
- (9) Corman J.R., **E.K. Moody**, & J.J. Elser. 2016. Calcium carbonate deposition drives nutrient cycling in a calcareous headwater stream. *Ecological Monographs* 86: 448-461.
- (8) **Moody E.K.**, J.R. Corman, & M.T. Bogan. 2016. Caught between a rock and a hard mineral encrustation: Long-lived aquatic invertebrates accumulate calcium carbonate deposits in a montane desert stream. *Western North American Naturalist* 76: 172-179.
- (7) Corman J.R., **E.K. Moody**, & J.J. Elser. 2015. Stoichiometric impact of calcium carbonate deposition on nitrogen and phosphorus supplies in three montane streams. *Biogeochemistry* 126: 285-300.
- (6) **Moody E.K.**, J.R. Corman, J.J. Elser, & J.L. Sabo. 2015. Diet composition affects the rate and N: P ratio of fish excretion. *Freshwater Biology* 60: 456-465.
- (5) Vander Zanden M.J., M.K. Clayton, **E.K. Moody**, C.T. Solomon, & B.C. Weidel. 2015. Stable isotope turnover and half-life in animal tissues: a literature synthesis. *PLoS ONE* 10: e0116182.
- (4) Cline T., J.F. Kitchell, V. Bennington, G.A. McKinley, **E.K. Moody**, & B.C. Weidel. 2014. Climate impacts on landlocked sea lamprey: Implications for host-parasite interactions and invasive species management. *Ecosphere* 5: 68.
- (3) **Moody E.K.** & J.L. Sabo. 2013. Crayfish impact desert river ecosystem function and litter-dwelling invertebrate communities through association with novel detrital resources. *PLoS ONE* 8: e63274.
- (2) **Moody E.K.** & C.A. Taylor. 2012. Red swamp crawfish (*Procambarus clarkii*) discovered in the San Pedro River, Arizona: A new invader in a threatened ecosystem. *The Southwestern Naturalist* 57: 343-344.
- (1) **Moody E.K.**, B.C. Weidel, T.D. Ahrenstorff, W.P. Mattes, & J.F. Kitchell. 2011. Evaluating the growth potential of sea lampreys (*Petromyzon marinus*) feeding on siscowet lake trout (*Salvelinus namaycush*) in Lake Superior. *Journal of Great Lakes Research* 37: 343-348.

Publications In Review

- (25) Xie J.Y., K.S. Kim, D. Powell*, H. Espinosa-Pérez, **E.K. Moody**, & K.J. Roe. In Revision. Population genetic structure of the endemic fish *Gambusia marshi* from the Cuatro

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Ciénegas basin and its outflow in Coahuila, Mexico. *Aquatic Conservation: Marine and Freshwater Ecosystems*.

- (26) Olson G.W.* & **E.K. Moody**. In Revision. Inquiry-based laboratory activities using live bird feeding station webcams engage college-level introductory biology students with statistics and experimental design. *The American Biology Teacher*.
- (27) Butts T.J., **E.K. Moody**, & G.M. Wilkinson. In Review. Seasonal dynamics of zooplankton nutrient recycling in a hypereutrophic reservoir. *Journal of Plankton Research*.
- (28) Cox M.E., C. Barnes, L. Campbell, L. Cappellati, S. Curtis, E. de Sousa, S. Elser, J. Fowler, C.R. Hammond Wagner, H. Harrison, R. Hobbins, E.I. Larson, F. Libertson, R. Lobo, P.A. Loring, M. Matsler, A. Merrie, **E.K. Moody**, R. Quiñones, S. Partelow, J.R. Sauer, K. Shabb, S. Simonsen, S. Washko, & B. Whittaker. In Review. Key features and transformative potential of academic podcasting. *Ecology and Society*.

Book Chapters

Moody E.K., E.W. Carson, J.R. Corman, & H. Espinosa-Pérez. 2018. Animal-mediated nutrient cycling in aquatic ecosystems of the Cuatro Ciénegas basin. pp. 141-152 in J.J. Elser, F. García-Olivera, & V. Souza (eds.) *Ecosystem Ecology and Geochemistry of Cuatro Ciénegas*. Springer, Cham, Switzerland.

Other Publications (Not Peer-Reviewed)

Moody E.K. 2015. *Bothrops asper* (Fer-de-Lance). Diet and feeding behavior. *Herpetological Review* 46: 266-267.

Moody E.K. 2014. Waiting for fish to pee in the Mexican desert. *Livebearers* 224: 10-12.

GRANTS AND AWARDS

Research Grants and Contracts

Corman J.R., Halvorson H.M., Krist A.C., **Moody E.K.**, & Wagner C.E. Supplement to NSF EPSCoR Track II Award (2021-2024). From ecosystems to evolution: Harnessing elemental data to detect stoichiometric control points and their consequences for organismal evolution. \$200,000

Corman J.R., Halvorson H.M., Krist A.C., **Moody E.K.**, & Wagner C.E. Supplement to NSF EPSCoR Track II Award (2021-2024). From ecosystems to evolution: Harnessing elemental data to detect stoichiometric control points and their consequences for organismal evolution. \$396,034

Corman J.R., Halvorson H.M., Krist A.C., **Moody E.K.**, & Wagner C.E. NSF EPSCoR Track II Award (2021-2024). From ecosystems to evolution: Harnessing elemental data to detect

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stoichiometric control points and their consequences for organismal evolution. \$5,987,352.

Moody E.K. U.S. Department of Agriculture NIFA Award (2020-2021). How will reduced nitrogen loading affect temperate lake ecosystems rich in phosphorus? \$72,600.

Moody E.K. Western North American Naturalist Natural History Research Grant (2018). Investigation of potential new species of *Gambusia* from springs in the Río Conchos basin, Chihuahua, Mexico. \$2,000.

Moody E.K. Desert Fishes Council Conservation Grant (2015). Do temperature effects on *Gambusia marshi* traits reflect local adaptation? \$1,000.

Elser J.J., Sabo J.L., Turner B.L., Ruginski A.T., & **Moody E.K.** Arizona State University-Smithsonian Tropical Research Institute Collaborative Research Grant (2014-2015). Ecological stoichiometry in Neotropical stream food webs: Consequences of changing biodiversity on ecosystem function. \$209,800.

Ramos J., Corman J.R., & **Moody E.K.** Western Alliance to Expand Student Opportunities Award (2013). Hydrology and ecology of the Cuatro Ciénegas basin. \$1,900.

Moody E.K., Corman J.R., & Ramos J. T&E Grant for Conservation Biology (2012). Fish community and physiological responses to phosphorus availability in Chihuahuan desert aquatic ecosystems (Cuatro Ciénegas basin, Coahuila, Mexico). \$2,400.

Fellowships, Awards, and Honors

2018	USDA NIFA Post-Doctoral Fellowship	\$92,400
2016	ASU Graduate Education Dissertation Fellowship	\$17,000
2016	Ray Huey Award for Best Student Presentation in DEE at SICB finalist	
2014	Smithsonian Tropical Research Institute Fellowship	\$7,850
2013	Society for Freshwater Science Endowment Award	\$1,000
2013	Smithsonian Tropical Research Institute Fellowship	\$10,250
2012	NSF Graduate Research Fellowship Honorable Mention	
2012	ASU School of Life Sciences Research Fellowship	\$10,000
2011	Arizona Water Association Scholarship	\$250

Competitive Travel Awards and Internal Grants

2017	Turner Designs Student Travel Stipend	\$1,000
2016	ASU Research & Training Initiatives Fieldwork Grant	\$1,350
2016	ASU GPSA JumpStart Grant	\$350

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2015	ASU Research & Training Initiatives Facilities Grant	\$1,500
2014	ASU Research & Training Initiatives Facilities Grant	\$700
2014	ASU GPSA Travel Grant	\$950
2013	ASU GPSA JumpStart Grant	\$500
2012	Society for Freshwater Science Board of Directors Grant	\$300
2012	SFS Best Presentation Involving Crayfish Award	\$150
2008	UW-Madison Center for Limnology Chase-Noland Award	\$800

TEACHING EXPERIENCE

Middlebury College

2020-2022	Instructor, BIOL 304: Aquatic Ecology
2020-2022	Instructor, BIOL 140: Ecology and Evolution
2020-2021	Instructor, BIOL 396: Advanced Evolutionary Ecology
2019-2022	Instructor, BIOL 211: Biostatistics and Experimental Design

Iowa State University

2017	Co-designed laboratory sections, BIOL 486: Aquatic Ecology
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Arizona State University

2016	Teaching Assistant, BIO 494: Fundamentals of Tropical Biology
2015	Teaching Assistant, BIO 415: Undergraduate Biometry
2012-2013	Teaching Assistant, BIO 614: Graduate Biometry
2010	Teaching Assistant, BIO 182: General Biology

UNDERGRADUATE TRAINEES

Middlebury College

Malia Armstrong, Day Ashworth, Annie Blalock (Honors Thesis), Phoebe Brown, Tina Cai, Caitlin DiCara, Matthew Durst, Will Ebby, Natalie Montano, Emma Neill, Phoebe Oehmig (Honors Thesis), Gardner Olson, James Peacock, John Pineda, Emma Román, A.J. Rossbach, Seiha San, Laura Sterup (Honors Thesis), Liza Toll, Alitzel Villanueva (Honors Thesis)

Iowa State University

Katie Cope, Madison Perry, Dylan Powell, Ailish Wasserman, Kale Wernsing

Arizona State University

Nicholas Ambus (Honors Thesis), Scott Brovarney, Meagan Brundage (Honors Thesis), Denise Johnson, Michael McCartin (Honors Thesis), Michael Sanchez, Ashley Sanders (Honors Thesis), Derek Somo, Kira Sorochkina, Patricia Susanto, Chanelle Swanson (Senior Thesis), Martin Vega, Camille Walker, Nicole Wilson

INVITED SEMINARS

- 2020 New Mexico State University, Dept. of Fish, Wildlife, & Conservation Ecology
- 2020 University of Vermont, Ecology and Evolution Seminar Series
- 2018 Middlebury College, Department of Biology
- 2018 University of Kansas, Kansas Biological Survey
- 2018 Kansas State University, Ecology and Evolution Seminar Series
- 2018 University of Iowa, Ecology and Evolution Seminar Series
- 2018 Vassar College, Department of Biology
- 2018 University of Wyoming, Department of Zoology and Physiology
- 2017 Iowa State University Department of Ecology, Evolution, & Organismal Biology
- 2017 The Ohio State University, Aquatic Ecology Laboratory
- 2014 Smithsonian Tropical Research Institute, Gamboa Seminar Series

CONTRIBUTED PRESENTATIONS

Conference Presentations at Middlebury

*undergraduate author

- Costanza-Robinson M., J. Keon*, E. Roelofs*, A. Kessler*, E. Neill*, Q. Cai*, S. Lin*, & **E.K. Moody**. 2022. Comparison of molybdenum blue colorimetry and inductively-coupled plasma mass spectrometry for total P determination in freshwater invertebrates. American Chemical Society Annual Meeting, Chicago, IL, August 2022.
- Blalock A.G.*, Q. Cai*, J.R. Corman, S.A. Thomas, & **E.K. Moody**. 2022. Hydrologic and Stoichiometric Constraints on Functional Diversity of Benthic Macroinvertebrate Communities. Joint Aquatic Sciences Meeting, Grand Rapids, MI, May 2022.
- Butts T.J., **E.K. Moody**, & G.M. Wilkinson. 2022. Zooplankton Contribute Substantially to Early Summer Nutrient Recycling in a Hypereutrophic Reservoir. Joint Aquatic Sciences Meeting, Grand Rapids, MI, May 2022.
- Cherry E.D., H.M. Halvorson, **E.K. Moody**, A.J. Pignatelli, J.R. Corman, & E.I. Larson. 2022. Impacts Of Land Use Change On Freshwater Systems Of Southcentral Alaska, Using Ecological Stoichiometry And Functional Diversity Approaches. Joint Aquatic Sciences Meeting, Grand Rapids, MI, May 2022.
- Cruz S., A. Lewanski, C. Wagner, **E.K. Moody**, L. Boyle, & A.C. Krist. 2022. The Impact of Introduced Trout on Functional Traits of Zooplankton Communities in the Wind River Range, Wyoming, USA. Joint Aquatic Sciences Meeting, Grand Rapids, MI, May 2022.

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Datry T., D.C. Allen, G.H. Allen, A.M. Burgin, M.H. Bush, R. Burrows, A.G. DelVecchia, W.K. Dodds, M. Fork, J. Hammond, K. Kaiser, C.J. Little, M. Messenger, M. Mims, **E.K. Moody**, J.D. Olden, R. Sarremejane, R. Stubbington, J. Tonkin, A. Truchy, R.H. Walker, A. Walters, S. Yu, & S.C. Zipper. 2022. Comparison of human-induced and naturally intermittent rivers: science, management, and policy implications. Joint Aquatic Sciences Meeting, Grand Rapids, MI, May 2022.

Moody E.K., T.J. Butts, E.D. Cherry, J.R. Corman, W.R. Farrell, A.C. Krist, E.I. Larson, A. Lewanski, C. Liriano, K. Nunes Fonseca, A.J. Pignatelli, A. Poetzl, A.T. Rugenski, & A. Villanueva*. 2022. A Multidimensional Functional Approach to Characterize Stoichiometric Variation Among Communities. Joint Aquatic Sciences Meeting, Grand Rapids, MI, May 2022.

Pignatelli A.J., E.D. Cherry, E.I. Larson, **E.K. Moody**, M.H. Connolly, J.R. Corman, & H.M. Halvorson. 2022. Stoichiometry of Riparian Leaf Litter in Central Arkansas Streams. Joint Aquatic Sciences Meeting, Grand Rapids, MI, May 2022.

Villanueva A.*, M.E. Armstrong*, Q. Cai*, B. Clark, K. Crawford, & **E.K. Moody**. 2022. Trade-offs in thermal performance curves associated with adaptive pollution tolerance in Atlantic killifish. Joint Aquatic Sciences Meeting, Grand Rapids, MI, May 2022.

Villanueva A.*, B. Clark, K. Crawford, & **E.K. Moody**. 2021. Effects of persistent organic pollutants and climate change on Atlantic killifish embryos. Western Society of Naturalists Annual Meeting, Virtual, November 2021.

Villanueva A.*, B. Clark, K. Crawford, & **E.K. Moody**. 2021. Effects of persistent organic pollutants and climate change on Atlantic killifish embryos. SACNAS National Diversity in STEM Virtual Conference, Virtual, October 2021.

Armstrong M.*, D. Minkoff, A.H. Dittman, D. May, **E.K. Moody**, T.P. Quinn, J. Atema, & W.R. Ardren. 2021. Evidence of an olfactory imprinting window in embryonic Atlantic salmon. Society for Freshwater Science Annual Meeting, Virtual, June 2021.

Blalock A.*, J. Corman, S. Thomas, & **E.K. Moody**. 2021. The effects of ecological stoichiometric constraints and hydrologic regime on the functional trait diversity of aquatic insect communities. Society for Freshwater Science Annual Meeting, Virtual, June 2021.

Brucker C., S.M. Collins, J. Corman, H. Halvorson, A. Krist, **E.K. Moody**, & C. Wagner. 2021. Building a broad-scale ecological stoichiometry database. Society for Freshwater Science Annual Meeting, Virtual, June 2021.

Moody E.K., G.W. Olson*, & G.M. Wilkinson. 2021. The stoichiometry of lake restoration. Society for Freshwater Science Annual Meeting, Virtual, June 2021.

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Olson G.W.*, G.M. Wilkinson, & **E.K. Moody**. Defining and measuring “successful” lake restoration. Society for Freshwater Science Annual Meeting, Virtual, June 2021.

Villanueva A.*, B. Clark, K. Crawford, & **E.K. Moody**. 2021. The cost of persistent organic pollutant tolerance in *Fundulus heteroclitus* across a water temperature gradient. Society for Freshwater Science Annual Meeting, Virtual, June 2021.

Moody E.K., N.K. Lujan, K.A. Roach, & K.O. Winemiller. 2020. Threshold elemental ratios and the temperature-dependence of herbivory in fishes. Society for Freshwater Science Summer of Science Virtual Meeting, June 2020.

Conference Presentations Pre-Middlebury (First-Authored Only)

Moody E.K., E.W. Carson, & H. Espinosa-Pérez. 2019. Intraspecific variation in *Gambusia marshi* from the Cuatro Ciénegas basin (Coahuila, Mexico). Southwestern Association of Naturalists Annual Meeting, Chihuahua, Chih., Mexico, April 2019.

Moody E.K., T. Butts, R. Fleck, P.D. Jeyasingh, & G.M. Wilkinson. 2019. From glycolysis to green lakes: Evolution of *Daphnia* alters ecosystem function in hypereutrophic lakes. Association for the Sciences of Limnology and Oceanography Aquatic Sciences Meeting, San Juan, PR, February 2019.

Moody E.K., E. Albright, K. Cope, R. Fleck, H. Grigel, D. Ortiz, & G.M. Wilkinson. 2018. Severely understudied impacts of fishes in North America’s aridland aquatic ecosystems. Desert Fishes Council Annual Meeting, Furnace Creek, CA, November 2018.

Moody E.K., T. Butts, R. Fleck, P.D. Jeyasingh, & G.M. Wilkinson. 2018. Eutrophication Elicits Evolution: Variation in *Daphnia* Traits Links Glycolysis to Green Lakes. Great Plains Limnology Conference, Lawrence, KS, October 2018.

Moody E.K. & G.M. Wilkinson. 2018. Ecological and evolutionary responses of zooplankton to extreme eutrophication. Society for Freshwater Science Annual Meeting, Detroit, MI, May 2018.

Moody E.K., E. Albright, R. Fleck, & G.M. Wilkinson. 2017. Stoichiometric trait variation in zooplankton: Causes and consequences of hypereutrophication. Great Plains Limnology Conference, Columbia, MO, October 2017.

Moody E.K., J.R. Corman, H. Espinosa-Pérez, J. Ramos, J.L. Sabo, & J.J. Elser. 2017. From farms to fish pee: Agricultural growth alters the stoichiometry of nutrient recycling by a desert fish. Society for Freshwater Science Annual Meeting, Raleigh, NC, June 2017.

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- Moody E.K.** & M.L. Lozano-Vilano. 2016. Predation shapes morphology of spring *Gambusia* in Northeastern Mexico. Desert Fishes Council Annual Meeting, Albuquerque, NM, November 2016.
- Moody E.K.**, J.R. Corman, H. Espinosa-Pérez, J. Ramos, J.L. Sabo, & J.J. Elser. 2016. Can intraspecific stoichiometric variation link evolution to ecosystems? A case study with a desert fish. Gordon Research Seminar: Unifying Ecology Across Scales, Biddeford, ME, July 2016.
- Moody E.K.**, J.R. Corman, H. Espinosa-Pérez, J. Ramos, & J.J. Elser. 2016. Stoichiometry in hot water: Does metabolism explain intraspecific differences in the elemental phenotype of a desert fish over a thermal gradient? Society for Integrative and Comparative Biology Annual Meeting, Portland, OR, January 2016.
- Moody E.K.**, J.R. Corman, H. Espinosa-Pérez, J. Ramos, J.L. Sabo, & J.J. Elser. 2015. Interacting effects of developmental temperature and source population on the phenotype of *Gambusia marshi*. Desert Fishes Council Annual Meeting, Furnace Creek, CA, November 2015.
- Moody, E.K.**, J.R. Corman, H. Espinosa-Pérez, J. Ramos, & J.J. Elser. 2015. Stoichiometric variation in a desert fish along a thermal gradient. Poster Presentation. Conference on Biological Stoichiometry, Peterborough, Ontario, Canada, June 2015.
- Moody, E.K.**, J.R. Corman, H. Espinosa-Pérez, J. Ramos, & J.J. Elser. 2014. Thermal effects on body size and stoichiometry: A case study in a desert spring fish, *Gambusia marshi*. Desert Fishes Council Annual Meeting, Los Cabos, B.C.S., Mexico, November 2014.
- Moody, E.K.**, J.R. Corman, H. Espinosa-Pérez, J. Ramos, & J.J. Elser. 2014. Thermal effects on body size and stoichiometry: A case study in a desert spring fish, *Gambusia marshi*. Fourth Symposium on Viviparous Fishes, Morelia, Mich., Mexico, November 2014.
- Moody, E.K.**, J.R. Corman, J.J. Elser, & J.L. Sabo. 2014. Do you excrete what you eat? New insights from a meta-analysis of diet manipulations. Joint Aquatic Sciences Meeting (Society for Freshwater Science/Association for the Sciences of Limnology & Oceanography), Portland, OR, May 2014.
- Moody, E.K.**, J.R. Corman, H. Espinosa-Pérez, Z. Lee, N.M. Nevarez, J. Ramos, & J.J. Elser. 2013. To pee P or not to pee P? Excretion rates of the robust gambusia, *Gambusia marshi*, across a water chemistry and resource quality gradient. Desert Fishes Council Annual Meeting, Flagstaff, AZ, November 2013.
- Moody, E.K.**, J.R. Corman, Z. Lee, N. Nevarez, & J.J. Elser. 2013. To pee P or not to pee P? Rapid response of mosquitofish excretion stoichiometry to nutrient availability. Poster Presentation. Society for Freshwater Science Annual Meeting, Jacksonville, FL, May 2013.

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Moody, E.K. & J.L. Sabo. 2012. Crayfish like it salty: Impacts of an introduced omnivore on leaf litter breakdown of varying riparian plant species in a semiarid river. Society for Freshwater Science Annual Meeting, Louisville, KY, May 2012.

**Winner of the “Best Student Presentation Involving Crayfish” Award*

Moody, E.K., K.A. Wyant, & J.L. Sabo. 2011. Water availability alters riparian arthropod community composition and biomass along montane intermittent streams. 11th Biennial Conference of Research on the Colorado Plateau, Flagstaff, AZ, October 2011.

Moody, E.K., B.C. Weidel, T.D. Ahrenstorff, T.J. Cline, W.P. Mattes, & J.F. Kitchell. 2011. Out in the cold: Effects of differing host temperatures on sea lamprey (*Petromyzon marinus*) growth. Ecological Society of America Annual Meeting, Austin, TX, August 2011.

Moody, E.K., B.C. Weidel, & J.F. Kitchell. 2010. Sea lamprey in flux: Climate influences host selection in the world’s largest and fastest warming lake. Poster Presentation. Association for the Sciences of Limnology & Oceanography/North American Benthological Society joint meeting, Santa Fe, NM, June 2010.

PROFESSIONAL SERVICE AND OUTREACH ACTIVITIES

Positions Held

2020- Member, Middlebury College Laboratory Safety Committee
2020- Member, Middlebury College LGBTQIA+ Resource Center Committee
2020- Member, Society for Freshwater Science Long-Range Planning Committee
2018-2021 Associate Editor, *The Southwestern Naturalist*
2017-2020 Co-Chair, Society for Freshwater Science Public Information and Publicity Committee
2016-2019 Associate Editor, *Ratios Matter*, an ecological stoichiometry newsletter
2016-2017 Member, Ad-Hoc Committee on Diversity and Inclusivity, Society for Freshwater Science
2015-2016 Graduate Programs Representative, ASU SOLS Graduate Executive Committee
2013-2016 Assistant Editor, ASU Ask-A-Biologist Podcast
2013-2014 IT Organizer, ASU SOLS Graduate Student Executive Committee
2012-2020 Co-founder and co-editor, “Making Waves”, the monthly podcast of SFS
2012- Member, Society for Freshwater Science Public Information and Publicity Committee
2011-2012 Assistant Editor, ASU SOLS Science Studio audiocast
2010-2017 Volunteer, ASU Ask-A-Biologist program
2008-2009 Host, “Parr-fait”, Weekly student radio talk show about aquatic research

Organizational Activities

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- 2022 Co-organizer, special session at the Joint Aquatic Sciences Meeting: “NEON data: leveraging continental scale data to advance freshwater science”
- 2020 Organizer and event moderator, Diversity Equity and Inclusivity event series, Society for Freshwater Science Summer of Science virtual meeting.
- 2019 Co-organizer, special session at the Association for the Sciences of Limnology and Oceanography Aquatic Sciences meeting: “Brave new world: the ecology of highly impacted waterbodies”
- 2018 Co-organizer, special session at the Society for Freshwater Science meeting: “Ecological stoichiometry as a bridge across disciplinary boundaries in freshwater science”
- 2018 Reviewer, American Livebearer Association Vern Parish Fund proposals
- 2017 Co-organizer, special session at the Society for Freshwater Science meeting: “Elements and energy as fundamental currencies of nature: Using ecological stoichiometry as a tool to advance the sustainability of freshwater ecosystems”
- 2014 Co-organizer, special session at the Joint Aquatic Sciences Meeting: “From individuals to ecosystems: Consumer driven nutrient recycling across aquatic ecosystems”

Journal Article Reviewer

Global Change Biology, Ecology Letters (x2), Global Ecology and Biogeography, Functional Ecology (x4), Ecology (x4), Journal of Animal Ecology, Freshwater Biology (x5), Oecologia, PLoS One (x2), Ecology and Evolution, Aquatic Sciences, Canadian Journal of Fisheries and Aquatic Sciences (x2), Freshwater Science, Journal of Plankton Research, Journal of Great Lakes Research, Wetlands, Biological Journal of the Linnean Society, Diversity, River Research and Applications, Ecology of Freshwater Fish, Northwest Science, Western North American Naturalist, Freshwater Crayfish

Professional Society Memberships

Association for the Sciences of Limnology and Oceanography (ASLO)
Desert Fishes Council (DFC)
Society for Freshwater Science (SFS)
Southwestern Association of Naturalists (SWAN)