Jessica Regina Corman

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Education

Arizona State University, Tempe, AZ
Ph.D. Biology, January 2015

Cornell University, Ithaca, NY, 2001 – 2005
B.S. Biological & Life Sciences, May 2005
B.S. Science of Earth Systems, May 2005
Cum Laude, Distinction in Research with High Honors

Professional Appointments

2023 – present	Associate Professor, School of Natural Resources, University of Nebraska-Lincoln
2017 – 2023	Assistant Professor, School of Natural Resources, University of Nebraska-Lincoln
2015 – 2017	Postdoctoral Research Associate, Center for Limnology, University of Wisconsin-Madison
2008 – 2011	Science Foundation Arizona Graduate Fellow, Arizona State University
2005 – 2008	Science Assistant, Directorate for Biological Sciences, Division of Environmental Biology, National Science Foundation, Arlington, VA

Major Research Interests: biogeochemistry, ecosystem ecology, limnology, ecological stoichiometry, sustainability, coupled natural-human systems, phosphorus cycling

Peer-Reviewed Publications (*undergraduate)

[41] Gschwentner, D.G., Blehm, L., Brahney, J., Wedin, D., J.R. Corman. Nitrogen-limitation overrides impacts of wildfire ash on primary production in eutrophic, grassland lakes. In Press at *Ecosystems.*

[40] Dodds, W.K., L.A. Barmuta, S. Bernal, J. Corman, T.K. Harms, S.L. Johnson, L. Li, D.G. Fernandes Cunha, J.D. Olden, T. Riis, L.C.R. Silva, J.C. Stella, P. Sullivan, E. Wohl. 2025. Defining stream riparian zones across multidimensional environmental gradients. *Journal of Environmental Quality*, doi.org/10.1002/2Fjeq2.70080

[39] Moody, E.K., K. Anania, K. Boersma, T. Butts, J.R. Corman, S. Cruz, W.R. Farrell, K. Fonseca, A. Krist, E. Larson, A. Lewanski, C. Liriano, A. Pignatelli, A. Poetzl, A. Rugenski, C. Stiglitz, A. Villanueva. 2025. Linking functional responses and effects with stoichiometric traits. *Ecology* 106(4): e70080, doi.org/10.1002/ecy.70080.

[38] Corman, J.R. 2025. Calcium carbonate and phosphorus interactions in inland waters. *Limnology & Oceanography: Letters* 10(2): 158-178, doi.org/10.1002/lol2.10452.

[37] Blalock, A.G.*, Q. Cai*, J.R. Corman, S.A. Thomas, and E.K. Moody. 2024. Hydrology has stronger effects than periphyton stoichiometry on lotic invertebrate functional diversity across North America. *Freshwater Science* 43(3): 340-352, doi.org/10.1086/732096.

[36] Gschwentner, D. and J.R. Corman. 2024. Temperature drive variability in recent satellite-derived ice cover trends in Nebraska Sand Hill lakes. *Inland Waters* 13(4): 545-559, doi.org/10.1080/20442041.2024.2327971.

[35] Gattoni, K., E.M.S. Gendron, J.P. McQueen, K. Powers, T.O. Powers, M.J. Harner, J.R. Corman, and D.L. Porazinska. 2024. The nature of microbial diversity and assembly in the Nebraska Sandhills depends on organismal identity and habitat type. *Community Ecology*, doi.org/10.1007/s42974-024-00206-5.

[34] Corman, J.R., J.A. Zwart, J. Klug, D.A. Bruesewitz, E. de Eyto, M. Klaus, L.B. Knoll, J.A. Rusak, M.J. Vanni, M.B. Alfonso, R.L. Fernandez, H. Yao, K. Austnes, R.-M. Couture, H.A. de Wit, J. Karlsson, and A. Laas. 2023. Response of lake metabolism to catchment inputs inferred using high-frequency lake

and stream data from across the northern hemisphere. *Limnology and Oceanography* 68(12): 2617-2631, doi.org/10.1002/lno.12449.

[33] Deemer, B.R., R.H. Reibold, A. Fatta, J.R. Corman, C.B. Yackulic, and S.C. Reed. 2023. Storms and pH of dam releases affects downstream phosphorus cycling in an arid regulated river. *Biogeochemistry* 165(1): 57-74.

[32] Roegner, A., J.R. Corman, L. Sitoki, Z. Kwena, Z. Ogari, J. Miruka, A. Xiong, C. Weirich, C. Aura, and T. Miller. 2023. Impacts of algal blooms and microcystins in fish on small-scale fishers in Winam Gulf, Lake Victoria: Implications for health and livelihood. *Ecology and Society* 28(1): 49, doi.org/10.5751/ES-13860-280149.

[31] Corman, J. R., Roegner, A., Z. Ogari, T. R. Miller, and C. M. Aura. 2023. Local-scale impacts of water hyacinth on water quality in a hypereutrophic lake. *Frontiers in Water* 5: 917837, doi.org/10.3389/frwa.2023.917837.

[30] Chen, M.*, Guenther, M., J.R. Corman. 2022. Nutrient and sediment dynamics change following a major flood event on a large, grassland river. *River Research and Applications*. doi.org/10.1002/rra.3982.

[29] Aura, C.M., Roegner, A. Owiti, H, Birungi, D., Fiorella, K., Corman, J.R., Kayanda, R., Mbullo, P. Nyamweya, C.S., Mchau, G., Daniel, M., Abila, R.O. 2022. Mind the gaps for the best practices: enhancing management of Lake Victoria fisheries resources. *Lakes & Reservoirs: Science, Policy and Management for Sustainable Use*. doi.org/10.1111/lre.12411.

[28] Dodds, W.K., G. Wichman, J.P. Guinnip, J.R. Corman, J. Blair. 2021. Assessing Transport and Retention of Nitrate and other Materials through the Riparian Zone and Stream Channel with Simulated Precipitation. *Methods in Ecology and Evolution* 13(3): 757-766, doi.org/10.1111/2041-210X.13791.

[27] Nagy, R.C., Balch, J.K, Bissell, E.K., Cattau, M.E., … Corman, J.R., … 2021. Harnessing the NEON data revolution to advance open environmental science with diverse and data-capable community. *Ecosphere*. doi.org/10.1002/ecs2.3833.

[26] Votruba A.M. and J.R. Corman. 2020. Definitions of water quality: a survey of lake-users of water quality-compromised lakes. *Water* 12(8): 2114.

[25] Roegner, A., L. Sitoki, C. Weirich, J. Corman, D. Owage, M. Umami, E. Odada, J. Miruka, Z. Ogari, W. Smith, E. Rejmankova, and T. Miller. 2020. Harmful Algal Blooms Threaten the Health of Peri-Urban Fisher Communities: A case study in Kisumu Bay, Lake Victoria, Kenya. *Exposure and Health* 12:835-848, doi.org/10.1007/s12403-019-00342-8.

[24] Hamilton, T.L., J.R. Corman, and J.R. Havig. Carbon and nitrogen recycling during cyanoHABs in dreissenid-invaded and non-invaded US midwestern lakes and reservoirs. 2020. *Hydrolobiologia* 847(3): 939-965, https://doi.org/10.1007/s10750-019-04157-1

[23] Corman, J.R., S.L. Collins, E. Cook, X. Dong, L. Gherardi, N.B. Grimm, R.L. Hale, T. Lin, J. Ramos, L. Reichmann, and O. Sala. 2019. Foundations and frontiers of ecosystem science: Legacy of a classic paper (Odum 1969), *Ecosystems* 22(5): 1160-1172, doi.org/10.1007/s10021-018-0316-3.

[22] Keilhauer, M.G., T.L. Messer, A.R. Mittelstet, T.G. Franti, and J.R. Corman. 2019. Nitrate removal by floating treatment wetlands amended with spent coffee: a mesocosm-scale evaluation. *Transactions of the American Society of Agricultural and Biological Engineers* 62(6): 1619-1620.

[21] Walsh, J.R., J.R. Corman, S.E. Munoz. 2019. Coupled long-term limnological data and sedimentary records reveal new control on water quality in a eutrophic lake. *Limnology & Oceanography*, 64(S1): S34-S48.

[20] Moody, E.K., Y. Astudillo-Scalia, A. La Porte, *C. Swanson, and J.R. Corman. 2018. Consumption of animal carcasses by the putative leaf shredder *Phylloicus mexicanus* (Trichoptera: Calamoceratidae). *The Southwestern Naturalist* 63(1): 76-80.

[19] *Bertolet, B.L., J.R. Corman, N.J. Casson, S.D. Sebestyen, R.K. Kolka, and E.H. Stanley. 2018. Influence of soil temperature and moisture on the dissolved carbon, nitrogen, and phosphorus in organic matter entering lake ecosystems. *Biogeochemistry*, doi.org/10.1007/s10533-018-0469-3

[18] Corman, J.R., *B.L. Bertolet, N.J. Casson, S.D. Sebestyen, R.K. Kolka, and E.H. Stanley. 2018. Nitrogen and phosphorus loads to temperate seepage lakes associated with allochthonous dissolved organic carbon loads. *Geophysical Research Letters*, 45, doi.org/10.1029/2018GL077219

[17] Moody, E.K., E.W. Carson, J.R. Corman, H. Espinosa-Perez, J. Ramos, J.L. Sabo, and J.J. Elser. 2018. Consumption explains intraspecific variation in nutrient recycling stoichiometry in a desert fish. *Ecology* 99(7): 1552-1561.

[16] Hayes, N.M., B.R. Deemer, J.R. Corman, N. Roxanna Razavi, and K.E. Strock. 2017. Key Differences Between Lakes and Reservoirs Modify Climate Signals: A Case for a New Conceptual Model. Limnology & Oceanography Letters 2(2): 47-62.

[15] Corman, J.R., E. Moody, and J.J. Elser. 2016. Calcium carbonate deposition drives nutrient cycling in a calcareous headwater stream. Ecological Monographs 86(4): 448-461.

[14] Corman, J.R., A. Poret-Peterson, *A. Glukhova, and J.J. Elser. 2016. Interaction between lithification and resource availability in the microbialites of Río Mesquites, Cuatro Ciénegas, México. Geobiology 14(2): 176-189.

[13] Winslow, L.A., J.A. Zwart, R.D. Batt, H. Dugan, R.I. Woolway, J.R. Corman, P.C. Hanson, and J.S. Read. 2016. LakeMetabolizer: An R package for estimating lake metabolism from free-water oxygen using diverse statistical models. Inland Waters 6(4): 622-636.

[12] Moody, E.M., J.R. Corman, and 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(2): 172-179.

[11] Dugan, H.A., R.I. Woolway, A.B. Santoso, J.R. Corman, A. Jaimes, E.R. Nodine, V.P. Patil, J.A. Zwart, J.A. Bentrup, A.L. Hetherington, S.K. Oliver, J.S. Read, K.M. Winters, P.C. Hanson, E.K. Read, L.A. Winslow, and K.C. Weathers. 2016. Consequences of gas flux model choice on the interpretation of metabolic balance across 15 lakes. Inland Waters 6(4): 581-592.

[10] Modenutti, B., E. Balseiro, M. Bastidas Navarro, Z. Lee, J.R. Corman, and J. Elser. 2016. Effects of volcanic pumice inputs on microbial community composition and dissolved C/P ratios in lake waters: an experimental approach. Microbial Ecology 71(1): 18-28.

[9] Corman, J.R., E.K. Moody, and J.J. Elser. 2015. Stoichiometric impact of calcium carbonate deposition on nitrogen and phosphorus supplies in three montane streams. Biogeochemistry 126(3): 285-300.

[8] Corman, J.R., E. Carlson, M. Dix, N. Girón, A. Roegner, J. Veselá, S. Chandra, J. Elser, and E. Rejmánková. 2015. Nutrient dynamics and phytoplankton resource limitation in a deep tropical-montane lake. Inland Waters 5(4): 371-386.

[7] Lee, Z.M., L. Steger, J. R. Corman, A. Poret-Peterson, V. Souza, and J. J. Elser. 2015. Response of a stoichiometrically imbalanced ecosystem to manipulation of nutrient supplies and ratios. PLoS ONE 10(4): e0123949, doi:10.1371/journal.pone.0123949.

[6] Elser, J.J., M. Bastidas Navarro, J.R. Corman, H. Emick, M. Kellom, C. Laspoumaderes, Z. Lee, A. Poret-Peterson, E. Balseiro, and B. Modenutti. 2015. Evaluation of microbial community structure and biogeochemical impacts of life on floating pumice. Applied and Environmental Microbiology 81(5): 1542-49.

[5] Read, E.K., V. Patil, S.K. Oliver, A.L. Hetherington, J.A. Brentrup, J.A. Zwart, K.M. Winters, J.R. Corman, E.R. Nodine, R.I. Woolway, H.A. Dugan, A. Jaimes, A.B. Santoso, G.S. Hong, L.A. Winslow, P.C. Hanson, and K.C. Weathers. 2015. The importance of lake-specific characteristics for water quality across the continental US. Ecological Applications 25(4): 943 - 955.

[4] Moody, E.M., J.R. Corman, J.J. Elser, and J. Sabo. 2015. Diet composition affects the rate and N:P ratio of fish excretion. Freshwater Biology 60(3): 456-465.

[3] Metson, G.M, R.L. Hale, D.M. Iwaniec, E.M. Cook, J.R. Corman, C.S. Galletti, and D.L. Childers. 2012. Phosphorus in Phoenix: a Budget and Spatial Representation of Phosphorus in an Urban Ecosystem. Ecological Applications 22(2):705–721.

[2] Childers, D.L., J.R. Corman, M. Edwards, and J.J. Elser. 2011. Sustainability challenges of phosphorus and food: solutions from closing the human phosphorus cycle. Bioscience 61(2): 117-124.

[1] Corman, J.R., P.B. McIntyre, B. Kuboja, W. Mbemba, D. Fink, C.W. Wheeler, C. Gans, E. Michel and A.S. Flecker. 2010. Upwelling couples chemical and biological dynamics across the littoral and pelagic zones of Lake Tanganyika, East Africa. Limnology & Oceanography 55(1): 214-224.

Other Publications

[4] Corman, J.R. 2017. Cleaner Chinese lakes. Nature Geoscience 10: 469-470.

[3] Corman, J.R., B.R. Deemer, N.M. Hayes, I. Gregory-Eaves, N.R. Razavi, K.E. Strock, and K. Turgeon. 2016. Lake and Reservoir Management Made a Splash at the 2016 ASLO Summer Meeting. Limnology & Oceanography Bulletin.

[2] Syers, K., M. Bekunda, D. Cordell, J. Corman, J. Johnston, A. Rosemarin, and I. Salcedo. 2010. "Phosphorus and Food Production." United Nations Environment Programme (UNEP) Year Book, p. 35 – 46.

[1] Skog, J., R. McCourt, and J.R. Corman. 2009. The NSF Scientific Collections Survey: A Brief Overview of Findings. United States National Science Foundation. Accessible from <http://www.nsf.gov/pubs/2009/nsf09044/nsf09044.pdf>.

Books and Book Chapters

[4] Corman, J.R. and Elser, J.J. Life on a stoichiometry knife edge: Biogeochemical interactions and trophic interactions in stromatolites in Rio Mesquites. 2018. Invited chapter in: Ecosystem Ecology and Geochemistry of Cuatro Cienegas (F. García-Oliva, J. Elser, V. Souza, editors). Springer, Cham, 167 pp.

[3] Moody, E.K., E.W. Carson, J. R. Corman, and H. Espinosa-Perez. Animal-mediated nutrient cycling in aquatic ecosystems of the Cuatro Cienegas Basin. 2018. Invited chapter in: Ecosystem Ecology and Geochemistry of Cuatro Cienegas (F. García-Oliva, J. Elser, V. Souza, editors). Springer, Cham, 167 pp.

[2] Elser, J.J., N.I. Chan, J.R. Corman, and J. Stoltzfus. Save the P(ee)! The challenges of phosphorus sustainability and emerging solutions. 2017. Invited chapter in: Health, Nutrition and Regulatory Aspects of Dietary Phosphorus (J. Uribarri and M.S. Calvo, editors). CRC Press, 372 pp.

[1] Wyant, K, J.R. Corman, and J.J. Elser, Eds. 2013. Phosphorus, Food, and Our Future. Oxford University Press, New York City, New York, USA.

Datasets

[3] Corman, J. 2025. Data from: Calcium carbonate and phosphorus interactions in inland waters. Dryad. Accessible from <https://doi.org/10.5061/dryad.5qfttdzgr>.

[2] Corman, J., J. Zwart, J. Klug, D. Bruesewitz, E. de Eyto, M. Klaus, L. Knoll, J. Rusak, M. Vanni, M. Alfonso, R. Fernandez, H. Yao, K. Austnes, R. Couture, H. de Wit, J. Karlsson, and A. Laas. 2023. High-frequency dissolved oxygen, water temperature, wind speed, and radiation data; stream and in-lake nutrient concentration data; and daily metabolism and nutrient loading estimates for 16 lakes in North America and Northern Europe. ver 3. Environmental Data Initiative. Accessible from <https://doi.org/10.6073/pasta/ba8861853e02b19c9693cb100f722a02>.

[1] Corman, J.R., B. Deemer, K. Strock, N. Hayes, and R. Razavi. 2016. Geographically paired lake-reservoir dataset derived from the 2007 USA EPA National Lakes Assessment. Long Term Ecological Research Network Information System. Accessible from <http://dx.doi.org/10.6073/pasta/17cb7958c74f8bfc135f3e7f04ee944e>.

Teaching Experience

Instructor
Lake Ecology at Flathead Lake Biological Station, University of Montana, Summer 2023, 2024
Introduction to Water Science, University of Nebraska-Lincoln, Fall 2020, 2021, 2022, 2023, 2024
Ecosystem Ecology, University of Nebraska-Lincoln, Spring 2021, 2023
Study Abroad: Australia: Managing Diverse Ecosystems, Spring 2023
Graduate Seminar: Readings in Aquatic Ecology, University of Nebraska-Lincoln, Fall 2019
Limnology, University of Nebraska-Lincoln, Spring 2018, 2019, 2020, Fall 2021, 2024
Graduate Seminar: Exploring and working with Long-Term Ecological Research data, University of Wisconsin-Madison, Spring 2017

External Grant Funding (Total = $7,184,024, *graduate student or postdoctoral associate)

2023 **Corman, J. (PI)** and Gschwentner, D*. "Fire and Lakes." 2023-2024. U.S. Geological Survey, 104-b. $29,841.

2022 Manning, D.G., Ayayee, P., and **Corman, J. (SP).** "Linking the riverine microbiome and process rates to ecosystem function in two Nebraska river systems." 2022-2025. 13611833-Nebraska. U.S. Geological Survey, 104-g. $248,418.

2021 **Corman, J. (PI)**, E.K. Moody, H. M. Halvorson, C. Wagner, A. Krist, S.M. Collins, K. Anania, J.L. Clark, S.A. Thomas, M.S. Costanza-Robinson, C. Martinez del Rio, and E.M. Pierce. "RII Track-2 FEC: From Genes to Ecosystems: Harnessing Elemental Data to Detect Stoichiometric Control-Points and Their Consequences for Organismal Evolution", 2021-2025. National Science Foundation. OIA-2019596. $5,987,352.

2021 – Supplemental Funding for University of Nebraska-Lincoln ($200,000)

2021 – Supplement Funding for Alaska Pacific University ($396,034)

2021 **Corman, J. (PI).** "Niobrara River Ecology and Education" 2021-2023. Nebraska Environmental Trust. $27,637.

2020 **Corman, J. (PI)**, Thomas, S.A., Chizinski, C. "StreamNet: Building capacity to improve water quality" 2020-2024. Nebraska Environmental Trust. $491,726.

2019 **Corman, J. (PI)**, Roegner, A. "Perception versus reality: How the consequences of eutrophication impact subsistence fishery communities around Lake Victoria" 2019-2021. National Socio-Environmental Synthesis Center (SESYNC) Pursuit.

2019 Kommack, K., Van Etten, J., Marston, M., Steward, G., Gleghorn, J. "RII Track-2 FEC: G2P in VOM: An Experimental and Analytical Framework for Genome and Phenome Connections in Viruses of Microbes", 2017-2023. National Science Foundation. OIA-1736030. $5,999,124. (Brought in as SP in 2019).

2018 **Corman, J. (PI)**. "Can Nebraska streams be managed to reduce nutrient loading?," 2018. The Nature Conservancy, $20,000.

External Pending or Declined Proposals (Current Year Only)

2025 DeLong, J. (PI), **Corman, J. (CoPI)**, Dunigan, D., Van Etten, J. "CAVE: The Consumer Architecture of (chloro-) Virus Ecology." National Science Foundation, $1,087,195.

Honors, Awards, & Internal Research Grant Funding

2024 "Thinking outside the box(plot): Cultivating a culture of creative data vizualisation", UNL Grand Challenges Planning Grant, CoPI ($69,590)

2023 ARD Strategic Funding, University of Nebraska-Lincoln, PI ($35,667)

2021 Junior Faculty for Excellence in Research, University of Nebraska-Lincoln

2019 "Adapt or die: The edge of life in the extreme environments of the Western Nebraska Alkaline Lakes", University of Nebraska Collaborative Initiative Seed Grant, CoPI ($299,999)

2016 "Water, Women, and Fisheries: Addressing Two Ecological Realities Impacting Human Health at Lake Victoria," Global Health Initiative Seed Grant, UW-Madison, PI ($49,953)

- The Company of Biologists, Scientific Meeting Grants, PI ($1,400)

2015 UW-Madison Celebrating Women in Science and Engineering Grant, CoPI ($1,500)

- ASU College of Liberal Arts & Sciences Graduate Excellence Award (2 awards, $500)

2014 AGU 2014 Fall Meeting Outstanding Student Presentation Award, Biogeosciences

- Society for Freshwater Science Best Oral Presentation in Basic Research ($400)

2013 ESA Biogeosciences Section Best Student Presentation Award ($500)

- Lisa Dent Memorial Fellowship ($4,500)

- Achievement Rewards for College Scientists, Might Scholar (3 awards; $21,000)

2012 California Lake Management Society Scholarship ($1,000)

- T&E Conservation Award, CoPI ($2,421)

2011 Lewis & Clark Fund for Exploration and Field Research ($4,935)

- ESA Student Section/Union of Concerned Scientists Honorable Distinction in Service Award
2010 ASU Graduate & Professional Student Association Graduate Research Support ($2,000)
- ASU SOLS Frontiers in Life Sciences Conference Support ($30,000)
- The Agouron Institute Conference Support ($10,000)
- Ariel Appleton Fellowship Award ($2000)
- ASU Graduate & Professional Student Association JumpStart Grant, CoPI ($500)
2009 AIBS Emerging Public Policy Leadership Award (EPPLA) Honorable Mention
- ASU Graduate & Professional Student Association JumpStart Grant ($500)
2006 NSF Director's Award for Equal Opportunity Achievement

Fellowship Support

2014 Dissertation Completion Research Assistantship, School of Life Sciences ($10,949)
2013 Global Lakes Ecological Observatory Network (GLEON) Fellowship Program
2008 – 2011 Science Foundation Arizona Fellowship (3 awards, $90,000)
2009 – 2010 NSF Graduate Research Fellowship Honorable Mention

Travel & Training Awards

2023 – 2024 UNL Research Leaders Program
2019 – 2020 UNL Peer Review of Teaching Project ($1,000)
2016 UW-Madison Postdoctoral Training Course in Scientific Leadership
2015 Preparing for an Academic Career in the Geosciences Workshop Stipend
2014 Turner Designs Student Travel Stipend Program ($1,000)
2011 Travel Award, Ecological Society of America (ESA) Student Section
2010 Student Travel Award Grant, NASA NAI Astrobiology Science Conference ($750)
2010 – 2014 Travel Grant, ASU Graduate & Professional Student Association (3 awards, $2,850)
2010 – 2014 Conference Travel Award, School of Life Sciences, Arizona State University (3 awards, $1,200)
2005 Student Travel Award Grant, ASLO Aquatic Sciences Meeting, Spain

Invited Lectures & Panel Participation

Invited Lecture, "Ecological Stoichiometry." Guest lecture in Complex Biosystems (CBIO) 841: Biosystems Research I: Big Questions, UNL, Fall 2022, Fall 2023

Invited Lecture, "Addressing two ecological realities impacting human health at Lake Victoria." Guest lecture in Freshman Honor's Course (UGEP) 189H: From Zika to Flint, Michigan: Public Health and Environment, UNL, Fall 2022.

Invited Lecture, "Nutrient cycling in flowing waters", Guest lecture in Natural Resources (NRES) 115: Introduction to Environmental Science, UNL, Fall 2022, Fall 2023.

Invited Speaker, "Field of Schemes: Using Research to Improve Ag Water Management." 2021 Nebraska Water Center Conference: The Shape of Water in Western Nebraska, 16 August 2021, Scottsbluff, NE, USA.

Corman, J.R. "Picturing Disaster: Visualizing climate emergency and the natural world." E.N. Thompson Forum on World Issues, 31 March 2021, Lincoln, NE, USA.

Invited Lecture, "Data, Water, and Limnology." Guest lecture in Art History (AHIS) 398: Special Topics – Visualizing Crisis: Food, Water and Biopolitics, UNL, Spring 2021.

Invited Lecture, "Climate change and water quality." Guest lecture in Natural Resources (NRES) 208, Applied Climate Sciences, UNL, Fall 2020.

Corman, J.R., N. Casson, B. Bertolet, S. Sebestyen, R. Kolka, E. Stanley. "Environmental change and the lakes of the Chequamegon-Nicolet National Forest." R9 Lakes States Sub-Regional Soils, Water, Fisheries, and Aquatic Ecology Workshop. Ashland, WI, 28-28 April 2016.

Invited Panelist, "Showcasing Sustainable Phosphorus Platforms", 3rd Sustainable Phosphorus Summit, Sydney, Australia, 29 February – 2 March 2012

Invited Scientist, “Speed Date a Scientist”, Arizona Science Center, April 2012

Invited Panelist, “Closing Reflections from Young Scholars,” Congress on Teaching Social & Ethical Implications of Research, Tempe, AZ, USA, 10 – 11 November 2011

Invited Panelist, AZ Water Association, “Phosphorus Removal and Recovery in Wastewater: How Far Can We Go?”, 2011

“Conference development for research and outreach”, SOS 598: Articulating the Broader Impacts of Scientific Research, Arizona State University, Spring 201

Invited Campus and Departmental Seminars

Corman, J.R. “STOICH: a new database describing the carbon, nitrogen, and phosphorus content in lake, river, and wetland ecosystems, and a project exploring new ways to visualize data.” Department of Statistics Seminar Series, University of Nebraska-Lincoln, 29 January 2025.

Corman, J.R. “Aquatic Ecology and Water Quality.” Nebraska Water Center Spring Seminar Series, Daugherty Water for Food Institute, 3 April 2024.

Corman, J.R. “That other event in 2019: Impacts of extreme flooding in a grassland river.” Alaska Center for Conservation Science, University of Alaska Anchorage, 1 December 2022.

Corman, J.R. “Elements in our waters: Insights into aquatic ecosystems from a stoichiometric perspective.” Ecology and Evolutionary Biology Seminar Series, University of Nebraska-Lincoln, 30 September 2022.

Corman, J.R. “Elements in our waters: Insights into a changing world from an ecosystem perspective.” University of New Mexico Department of Biology, 9 December 2021

Corman, J.R. “Tales from the Niobrara River: Flooding and recreational impacts on nutrients and basal resources on Nebraska's National Scenic River.” University of Nebraska-Omaha Department of Biology Seminar Series, 9 October 2019.

Corman, J.R. “Growing Rocks: Is travertine deposition a self-cleansing mechanism in streams?” University of Oklahoma Department of Biology Seminar Series, 17 April 2019.

Corman, J.R. “Addressing two ecological realities impacting human health at the world’s largest tropical lake, Lake Victoria, East Africa.” University of Wyoming Zoology & Physiology Seminar Series, 7 February 2019.

Corman, J.R., N. Casson, B. Bertolet, S. Sebestyen, R. Kolka, E. Stanley. “Nutrients in browning waters: Nitrogen and phosphorus inputs to temperate seepage lakes associated with allochthonous dissolved organic carbon inputs.” Iowa State University Ecology & Evolutionary Biology semiar series, 8 February 2018.

Corman, J.R., N. Casson, B. Bertolet, S. Sebestyen, R. Kolka, E. Stnaley. “Carbon… and what else? Consequences of browning to nitrogen and phosphorus cycling in lakes.” Harvard Forest Seminar Series, Harvard University, Petersham, MA, 21 April 2017.

Corman, J.R. “The biogeochemistry of a fertilized landscape: Are Nebraska rivers and streams pipes or processors of nutrients?” Invited speaker for the University of Nebraska-Lincoln Department of Agronomy and Horticulture Seminar Series, 1 November 2019.

Corman, J.R. “Growing rocks: Effects of CaCO3 deposition on nutrient cycling (and bugs!) in arid montane streams.” Invited speaker for the University of Nebraska-Lincoln Department of Entomology seminar series, 20 November 2018.

Corman, J.R. “Addressing two ecological realities impacting human health at the world’s largest tropical lake, Lake Victoria, East Africa.” Invited speaker for the University of Nebraska-Lincoln Ecology, Evolution & Behavior seminar series, 14 September 2018.

Corman, J.R. “Water, Women, and Fisheries.” Invited speaker for the Global Health Tuesday seminar series, University of Wisconsin-Madison, WI, 26 Sept 2017.

Corman, J.R. “Growing rocks: Implications of calcium carbonate deposition for nutrient cycling in streams”, Center for Limnology Seminar Series, University of Wisconsin-Madison, 18 November 2015

Corman, J. R. “Growing rocks in streams: How calcium carbonate influences nutrient cycling”, Department of Biology Seminar, University of Minnesota-Duluth, 11 September 2015

Corman, J. R. “a tale of two waters & a story of phosphorus”, Trout Lake Station Summer Seminar Series, Boulder Junction, WI, 5 August 2015

Conference Presentations (*Invited Talk)

2024 Corman, J.R., R. Farrell, A. Poetzl, K. MacNeill, S. Thomas. Ecosystem stoichiometry in an eutrophic stream: Diel coupling of nitrogen and phosphorus cycles. Poster presentation at the 2024 Association for the Sciences of Limnology and Oceanography (ASLO) Aquatic Sciences Meeting, Madison, WI, USA.

2023 Corman, J.R., J. Zwart, J. Klug, and D. Bruesewitz. Response of lake metabolism to catchment inputs inferred using high-frequency lake and stream data from across the northern hemisphere. Oral presentation at the 2023 Association for the Sciences of Limnology and Oceanography (ASLO) Aquatic Sciences Meeting, Palma de Mallorca, Spain.

2022 Corman, J.R., M. Chen, M.K. Guenther, M.C. Carpenter. Longer-term ecological impacts of an extreme flood on a large, grassland river in the Midwest USA. Oral presentation at the 2022 Joint Aquatic Sciences Meeting in Grand Rapids, MI, USA.

2021 Corman, J.R., M. Chen, M. Carpenter, D. Manning, M. Guenther. Sediment properties influence gross primary production in a large, grassland river. Poster presentation at the 2021 American Geophysical Union, New Orleans, LA, USA.

Corman, J.R., A.M. Votruba. What is “water quality?” A survey of lake-users of water quality-compromised lakes. Oral presentation at the 2021 Association for the Sciences of Limnology and Oceanography (ASLO), Virtual Meeting.

2020 Corman, J.R., A.M. Votruba. What is “water quality?” A survey of lake-users of water quality-compromised lakes. Oral presentation at the 2020 Association for the Sciences of Limnology and Oceanography (ASLO) – Society for Freshwater Science (SFS) Joint Summer Meeting, Madison, Wisconsin, USA. *Meeting cancelled due to COVID-19*.

2019 Corman, J.R., E.M. Moody, J. Elser. Impacts of calcium carbonate deposition on phosphorus availability in aquatic ecosystems. Oral presentation at the Symposium for European Freshwater Sciences (SEFS11), 2019, Zagreb, Croatia.

- Corman, J.R., J. Ramos, J. Elser. Spatial and temporal variability of physicochemical characteristics in the hardwater aquatic ecosystems of Cuatro Ciénegas, MX. Oral presentation at the 2019 Association for the Sciences of Limnology and Oceanography (ASLO) Aquatic Sciences Meeting, San Juan, Puerto Rico, USA.

2018 Corman, J.R. Addressing two ecological realities impacting human health at the world’s largest tropical lake, Lake Victoria, East Africa. Oral presentation at the Nebraska One Health Symposium, Ashland, NE, USA.

- Corman, J.R., S.L. Collins, E. Cook, X. Dong, L. Gherardi, N.B. Grimm, R.L. Hale, T. Lin, J. Ramos, L. Reichmann, O. Sala. What happened to the predictions of Odum’s 1969 *Science* paper? Oral presentation at the 2018 Long-Term Ecological Research Network All Scientists Meeting, Pacific Grove, CA, USA.*

- Corman, J.R. Nutrients in the Niobrara River. Oral presentation at the Great Plains Limnology 2018 Meeting, Lawrence, KS, USA.

- Corman, J.R., E. Moody, J.J. Elser. Insights into sulfur biogeochemistry in alkaline, carbonate-depositing headwater streams. Poster presentation at the Goldshmidt 2018 Meeting, Boston, MA, USA.

- Corman, J.R., L. Loken, S. Oliver, S. Collins, H. Dugan, E. Stanley. Long-term records reveal decoupling of nitrogen and phosphorus cycles in a large lake in response to an extreme rainfall event. Oral presentation at the 2018 Society for Freshwater Science Annual Meeting, Detroit, MI, USA.

- Corman, J.R., Z. Ogari, Z. Kwena, A.F. Roegner. Addressing two ecological realities impacting human health at the world’s largest tropical lake, Lake Victoria, East Africa. Oral presentation at the 2018 Association for the Sciences of Limnology and Oceanography Summer Meeting, Victoria, BC, Canada.

2017 Corman, J.R., L. Loken, S. Oliver, S. Collins, V. Butitta, E.H. Stanley. Long-term records reveal decoupling of nitrogen and phosphorus cycles in a large, urban lake in response to an extreme rainfall event. Oral presentation at the 2017 American Geophysical Union Fall Meeting, New Orleans, LA, USA.

- Corman, J.R., C.R. Lierrmann, P.B. McIntyre. Global riverine exports of nutrients: Translating fisheries into biogeochemical fluxes. Oral presentation at the 2017 Ecological Society of America (ESA) Annual Meeting, Portland, OR, USA.

- Corman, J.R., B. Bertolet, N.J. Casson, S.D. Sebestyen, R.K. Kolka, E.H. Stanley. Carbon… and what else? The stoichiometry of browning in lakes in northern Wisconsin, USA. Invited oral presentation at the Society for Freshwater Science 2017 Annual Meeting, Raleigh, NC, USA.*
- Corman, J.R., Z. Ogari, Z. Kwena, A.F. Roegner. Addressing two ecological realities impacting human health at the world's largest tropic lake, Lake Victoria. Poster presentation at the Africa Great Lakes Conference, Entebbe, Uganda.
- Corman, J.R., Z. Ogari, Z. Kwena, A.F. Roegner. Addressing two ecological realities impacting human health at the world's largest tropical lake, Lake Victoria. Oral presentation at the University of Wisconsin 2017 Global Health Symposium: For Our Planet, For Our Health, Madison, WI, USA.

2016 Corman, J.R., B. Bertolet, N. Casson, S. Sebestyen, R. Kolka, and E.H. Stanley. From whence the carbon: Potential effects of acid rain and climate change on staining in lakes in Wisconsin, USA. Oral presentation at the 1st International Long-Term Ecological Research (ILTER) Open Science Meeting 2016, Kruger National Park, South Africa.

- Corman, J.R., B. Bertolet, N. Casson, S. Sebestyen, R. Kolka, and E.H. Stanley. From whence the carbon: Watershed leachate potential of lakes in northern Wisconsin. Oral presentation at the Association for the Sciences of Limnology and Oceanography (ASLO) Summer Meeting, Santa Fe, NM, USA.
- Corman, J.R. "North Temperate Lakes Long-term Ecological Research Network." Oral presentation given at the Wisconsin Lakes Partnership Convention. Stevens Point, WI.*

2015 Corman, J.R., N. Casson, S. Sebestyen, R. Kolka, and E.H. Stanley. Watershed leachate potential of lakes in northern Wisconsin. Poster presentation at the 9th International Conference on Acid Deposition. Rochester, NY, USA.

- Corman, J.R., S. Collins, E. Cook, C. Crenshaw, X. Dong, L. Gherardi, N. Grimm, R. Hale, O. Sala, J. Ramos, L. Reichmann, and L. Tao. Foundations of ecosystem science: legacy of a classic paper (Odum 1969). Oral presentation at the 2015 Ecological Society of America. Baltimore, MD, USA.
- Corman, J.R., A.P. Poret-Peterson, and J.J. Elser. Insights into sulfur biogeochemistry in alkaline, carbonate-depositing headwater streams. Poster presentation at the Society for Freshwater Sciences (SFS) 2015 Annual Meeting, Milwaukee, WI, USA.

2014 Corman, J.R., A. Poret-Peterson, and J.J. Elser. Growing rocks: Implications of lithification for microbial communities and nutrient cycling. Poster presentation at the American Geophysical Union (AGU) 2014 Fall Meeting, San Francisco, CA, USA. (*Awarded Outstanding Student Presentation Award, Biogeosciences*)

- Corman, J.R., J. Ramos, D. Childers, and J.J. Elser. Springs, ponds, and pools: Spatial and temporal variability of spring ecosystems in Cuatro Ciénegas, MX. Poster presentation at the Global Lakes Ecological Observatory Network All Hands Meeting, GLEON16, Orford, Québec, Canada.
- Corman, J.R. and J.J. Elser. Calcium carbonate deposition: a geochemical constraint on nutrient bioavailability? Oral presentation at the 2014 Gordon Research Seminar: Unifying Ecology Across Scales. Biddeford, ME, USA.
- Corman, J.R., E. Moody, M. Brundage, and J.J. Elser. A shading experiment to study how calcium carbonate deposition influences nutrient limitation. Oral presentation at the 2014 Joint Aquatic Sciences Meeting, Portland, OR, USA. (*Awarded Best Oral Presentation in Basic Research*)

2013 Corman, J.R., J. Ramos, D.L. Childers, J.J. Elser. Spatial and temporal variability of spring ecosystems in Cuatro Ciénegas, MX. Poster presentation at the American Geophysical Union (AGU) 2013 Fall Meeting, San Francisco, CA, USA.

- Corman, J.R., A. Poret-Peterson, A. Glukhova, V. Souza, and J.J. Elser. Growing rocks: Implications of lithification to microbial community ecology in a desert stream. Oral presentation at the 2013 Ecological Society of America (ESA) Annual Meeting, Minneapolis, MN, USA. (*Awarded Best Student Presentation in Biogeosciences*)
- Corman, J.R., E. Moody, N. Nevarez, and J.J. Elser. Nutrient limitation of primary producers in travertine streams in southeastern Arizona. Oral presentation at the 2013 Association for the Sciences of Limnology and Oceanography (ASLO) Aquatic Sciences Meeting, New Orleans, LA, USA.

- Corman, J.R., A. Poret-Peterson, A. Glukhova, and J.J. Elser. Implications of lithification on nutrient and resource dynamics of carbonate oncoid microbialites of Cuatro Ciénegas, México. Poster presentation at the 2013 Gordon Research Seminar: The Future of Geobiology: Perspectives from Graduate and Postdoctoral Research, Ventura Beach, CA.

2012 Corman, J.R., V. Souza, and J.J. Elser. 2012. Nutrient availability and calcification in lithifying freshwater microbialites. Oral presentation at the 2012 American Society of Limnology and Oceanography (ASLO) Aquatic Sciences Meeting, Lake Biwa, Shiga, Japan.

2010 Corman, J.R., S. Chandra, C. Davis, M. Dix, N. Girón, E. Rejmánková, A. Roegner, J. Veselam, and J.J. Elser, Ecosystem effects of cultural eutrophication in a large, tropical lake. Poster presentation at the Fall 2010 American Geophysical Union (AGU) Annual Meeting, San Francisco, CA, USA.

- Corman, J.R., S. Chandra, C. Davis, M. Dix, N. Girón, E. Rejmánková, A. Roegner, J. Veselam, and J.J. Elser, Phytoplankton nutrient and light limitation in Lake Atitlán, Guatemala. Oral presentation at the Great Lakes of the World (GLOW) VI International Symposium, Lake Tahoe, USA.

- Corman, J.R., E. Cook, R. Hale, D. Iwaniec, and G. Metson. An elemental approach to understanding human-environment interactions. Poster presented at the International Conference on Urbanization and Global Environmental Change (UGEC) Poster Session, Tempe, AZ, USA.

- Corman, J.R., V. Souza and J.J. Elser. Interactions of biogeochemical cycles in oncoid microbialites from Cuatro Ciénegas, México. Oral presentation at Astrobiology Science Conference 2010, League City, TX, USA.

2005 Corman, J.R., P.B. McIntyre, W. Mbemba, B. Kuboja, C.W. Wheeler and A.S. Flecker. Upwelling links the pelagic and littoral zones in Lake Tanganyika. Poster presented at ASLO International Meeting, Santiago de Compostela, Spain.

Professional Activities

Ad Hoc Reviewer, Agencie Nationale de la Recherche (France), US National Science Foundation, United States Geological Survey

Panelist, US National Science Foundation

Reviewer, *Biogeochemistry, BioScience, Biotropica, Canadian Journal of Fisheries and Aquatic Sciences, Earth Futures, Ecology, Ecological Engineering, Ecology and Society, Ecosphere, Environmental Health Perspectives, Freshwater Biology, Freshwater Science, Frontiers in Ecology and Evolution, Hydrobiologia, Journal of Urban Ecology, Hydrologic Processes, Limnology and Oceanography, Limnology and Oceanography: Letters, Nature Geoscience, Marine and Freshwater Research, Urban Ecology, Water Research, Water Resources Research*

Chair, Central US Chapter, Society for Freshwater Science, 2021 – present

Member, *American Geophysical Union*, *Association for the Sciences of Limnology and Oceanography*, *American Women in Science*, *Ecological Society of America*, *Global Lakes Ecological Observatory Network (GLEON), Society of Freshwater Science*

Organized Oral Session Co-Organizer, “Stoichiometry in a Changing World: Assessing Elemental Ratios from Organisms/Ecosystems”, Joint Aquatic Sciences Meeting, Grand Rapids, MI, USA, May 2022

Organized Oral Session Co-Organizer, “Macroscale stoichiometry: assessing elemental ratios from ecosystems to the globe”, Association for the Sciences of Limnology and Oceanography (ASLO) Meeting, Madison, WI, USA, June 2019, *cancelled due to COVID-19*

Invited Panelist, Nebraska’s Natural Resources, *EnviroRun Sustainability Speaker Series*, Lincoln, NE, 2018

Chair, Gordon Research Seminar: Unifying Ecology across Scales, July 2016

Volunteer Scientist, World Fish Migration Day, Shedd Aquarium, Chicago, IL, 2016

Organized Oral Session Co-Organizer, “Research Frontiers in Ecological Stoichiometry”, Ecological Society of America (ESA) Meeting, Baltimore, MD, USA, August 2015

Poster Judge, LTER All-Scientists Meeting, Estes Park, CO, USA, 2015

Scientific Advisory Committee, 4th Sustainable Phosphorus Summit, Montpellier, France, August 2014

Graduate student-led conference (funded by NSF, The Agouron Institute, and ASU), “Frontiers in Life Sciences: Sustainable Phosphorus Summit,” Tempe, AZ, USA, 3 – 5 February 2011

Special Session Co-Organizer, “Phosphorus: from Geochemistry to Genomes to Global Sustainability,” American Geophysical Union (AGU) Meeting, San Francisco, CA, USA, December 2012

Blog contributor, *Sustainable P Initiative blog*, sustainablep.wordpress.com, 2010 – 2011

Blog contributor, *Stoichiometry, Fairly Unbalanced*, stoichiometry.wordpress.com, 2009 – 2011
ASLO Graduate Student Committee, 2010 ASLO/NABS Summer Meeting in Santa Fe, NM, 2009 – 2010

Departmental and University Service

Current Service:
Board Member, UNL Office of Research and Economic Development (ORED; in 2024, changed to Office of Research and Innovation) Advisory Board, 2023 – present
Board Member, Nebraska Water Center Advisory Board, 2023 – present
Vice Chair, Environmental Science Faculty Committee, 2024 – present
Committee Member, Environmental Science Faculty Committee, 2017 – present
Committee Member, Applied Ecology Faculty Committee, 2017 – present
Committee Member, School of Natural Resources Faculty Advisory Committee, 2024 – present
Committee Member, Environmental Science Curriculum Committee, 2024 – present

Past Service:
Committee Member, Ad Hoc Committee of Promotion & Tenure Standards, IANR, 2023 – 2024
Committee Member, SNR Promotion and Tenure Committee, 2023 – present
Faculty Member, SNR Director Search Committee, 2023
Faculty Member, Institute for Agriculture and Natural Resources (IANR) Search Committee, Agriculture & Research Division (ARD) Dean, 2022
Committee Chair, Natural Resources Diversity and Inclusion Committee, UNL, 2019 – 2023
Panelist, UNL IANR New Faculty Research Workshop, "Getting Started: Tips from Early Career Faculty Members," 2022
Volunteer, Lancaster County Vaccination Clinic, 2021
Panelist, UNL New Faculty Development Program: Engaging & Mentoring Students in High-Impact Practices, 2020, 2021, 2022
Faculty Member, Nebraska Cooperative Fish and Wildlife Research Unit Assistant Unit Lead – Fisheries Hiring Committee, 2020
Founding Member, Natural Resources Diversity and Inclusion Committee, UNL, 2018
Committee Member, Community Engagement Committee, School of Natural Resources, UNL, 2018 – 2020
Postdoctoral Representative, Committee on Women in the University, UW-Madison, 2016 – 2017
Committee Member, Diversity & Inclusivity Committee, Center for Limnology, UW-Madison, 2016 – 2017
Committee Member, Social Committee, Center for Limnology, UW-Madison, 2015 – 2017
Committee Member, Blac Hol Committee, Center for Limnology, UW-Madison, 2015 – 2017
Committee Member, Research & Training Initiatives, School of Life Sciences, 2012 – 2013
Reader, Barrett, The Honors College, Thesis Committee, 2010 – 2011, 2012 – 2013
Student Liason, Consortium for Science, Policy & Outcomes, Washington, DC, USA, June 2012
School of Life Sciences Undergraduate Research (SOLUR) Mentor, 2009 – 2014
School of Life Sciences Global Change Ecology Faculty Search Committee, Arizona State University, 2010
Executive Board, Policy Chair, Science Foundation Arizona Student Fellows, 2009 – 2010
Graduate Student Committee, School of Life Sciences, Arizona State University, 2009 – 2010, 2012 – 2014
Ask-A-Biologist volunteer Biologist, Arizona State University, 2008 – 2015

Outreach Activities

"Link up to Lincoln", University of Nebraska-Lincoln, 2024
Panelist, Women in STEM Day, University of Nebraska-Lincoln, 2021
Mentor, CUSP Scholarship Program, University of Nebraska-Lincoln, 2020, 2021
Invited Presenter, "Waters around the World", Science Café at The Happy Raven, Lincoln, NE, by the University of Nebraska State Museum. Virtual format due to COVID-19, 26 May 2020.
Trout Lake Station Open House, Boulder Junction, WI, 2015
Milwaukee Spring River Cleanup, Milwaukee, WI, 2015
Science Foundation Arizona K-12 Education, Arizona State University, Tempe, AZ, 2009 – 2011
Ocean Adventures, Changing Hands Bookstore, Tempe, AZ, 2009
Stream Team Coordinator**,** National Science Foundation, Arlington, VA, August 2007– 2008

Workshop, Training, & Conference Participation

NEON Science Summit, Boulder, CO, 15 – 17 October 2019
Eco-DAS: Ecological Dissertations in the Aquatic Sciences XI, Honolulu, HI, USA, 19 – 25 October 2015
"Introduction to Groundwater Geochemistry Reaction Modeling", National Groundwater Association, Las Vegas, NV, USA, 11 – 12 October 2012.
Stoichiometric flexibility in terrestrial ecosystems under global change, Biosphere 2, Oracle, AZ, USA, 25 – 28 September 2011
"A Brief Introduction to Bayesian and Hierarchical Bayesian Modeling in Ecology," *Ecological Society of America 96th Annual Meeting*, Austin, TX, USA, 7 August 2010
Aquatic Sciences: Global changes from the center to the edge, Joint Meeting with ASLO & NABS, Santa Fe, NM, USA, 6 – 11 June 2010
"Science Outside the Lab, A Policy Dis-Orientation", Consortium for Science, Policy & Outcomes, Washington, DC, USA, 26 May – 5 June 2009
ASLO Ocean Sciences Meeting, Orlando, FL, USA, 2 – 7 March 2008
Ecological Society of America 91st Annual Meeting, Memphis, TN, USA, 6 – 11 August 2006

Graduate Students Advised (* = projected graduation)
Jace Miller, 2029*, Ph.D. Complex Biosystems
Uche Ogbenna, 2026*, Ph.D. Natural Resource Sciences
Daniel Gschwentner, 2025*, Ph.D. Natural Resource Sciences
Reilly Farrell, 2023, M.S. Natural Resource Sciences
Anni Poetzl, 2022, M.S. Natural Resource Sciences
Alexa Davis, 2020, M.S. Natural Resource Sciences
Brittany Kirsh, 2020, M.S. Agronomy (co-advised with Andrea Basche, UNL Agronomy and Horticulture)

Undergraduate Research Assistants, Mentees, and Honor Students (*from under-represented group; T=thesis or research)

University of Nebraska-Lincoln
- Josh Matthews (2023 – present, ARD Research Assistantship)
- Maya Burns (2024)
- Luke Harms (2023 – 2024)
- Andrew Butler (2023 – 2024)
- T Makena Foley (2022, UCARE)
- Easton Sckerl (2022)
- Liberty Sears (2022)
- *Hannah Nguyen (2022)
- Cady Murphy (2022)
- *Muzn Mohamed (2021 - 2022, FYRE)
- Dominic Nath (2021 - 2022, FYRE)
- Emily Zappia (2021 - 2022)
- Kathrine Johnson (2021)
- T Malayna Wingert (2020 - 2021, Cabela's, UCARE)
- T Madelyn Carpenter (2020 - 2022, Cabela's, UCARE)
- T Elise Ehlers (2020 - 2021, Honor's)
- *,T Matthew Chen (2019 - 2021, Cabela's, UCARE)
- *Kelly Crespo (2019 - 2020, FYRE)
- *,T Precious Nyabami (2019 - 2020, UCARE, Honor's)
- Megan Soldatke (2019 - 2020, FYRE)
- T Sydney Kimnach (2019, Cabela's, UCARE)
- T Kayla Vondracek (2019, Cabela's, UCARE)
- T Kelly Huddleston (2019, Honor's Student)
- Alec Weisser (2018 – 2019)
- T Cacey Wilken (2018, ARD Research Assistantship)

University of Wisconsin-Madison
- T Natalie Schmer (2016 – 2017)
- T Paul Gabriel (2016 – 2017, Capstone)
- T,*Brittni Bertolet (2016, REU)

Arizona State University
- Ashley Sanders (2014 – 2015)
- †Meagan Brundage (2013 – 2013, SOLUR, Honor's)
- †,*Nicole Nevarez (2011 – 2012, SOLUR, Honor's)
- Alek Van Houghton (2011 – 2012)
- *Krist Rouypirom (2011 – 2012)
- †,*Nick Macias (2011)
- Mary Douglas (2011)
- *Javier Corral (2011)
- Eric Hughes (2010 – 2011)
- Kara Tarter (2010, Honor's)
- Drew Bryck (2010 – 2010)
- Melanie Engstrom (2008 – 2009)