

# Jessica Regina Corman

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## Education

Arizona State University, Tempe, AZ  
Ph.D. Biology, January 2015  
Advisor: James J. Elser

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

2017 – Assistant Professor, School of Natural Resources, University of Nebraska-Lincoln  
2015 – 2017 Postdoctoral Research Associate, Center for Limnology, University of Wisconsin-Madison  
2011 – 2015 Teaching and Research Assistant, School of Life Sciences, Arizona State University  
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  
2002 – 2005 Laboratory and Field Research Assistant, Department of Ecology and Evolutionary Biology and Department of Horticulture, Cornell University

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

## Peer-Reviewed Publications

- [16] Hayes, N.M., B.R. Deemer, J.R. Corman, N. Roxanna Razavi, 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. 2014. Diet elemental composition and consumption rate affect fish excretion of nitrogen and phosphorus. *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.

#### **Manuscripts in Preparation (available upon request)**

- [2] Corman, J.R., B. Bertolet, N.J. Casson, S.D. Sebestyen, R.K. Kolka, E.H. Stanley. From whence the carbon: Watershed leachate potential of lakes in northern Wisconsin. (In preparation for *Journal of Geophysical Research: Biogeosciences*).
- [1] 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. Foundations of ecosystem ecology: Legacy of a classic paper (Odum 1969). (In review at *Ecosystems*).

#### **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." *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**

- [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**

- [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            BIO/NRES 459 Limnology, University of Nebraska-Lincoln, Spring 2018  
                          ZOO 955 Seminar: Exploring and working with Long-Term Ecological Research data, University of Wisconsin-Madison, Spring 2017

#### Teaching Assistant

BIO 325 Oceanography, Arizona State University, Fall 2012, Fall 2013  
BIO 320 Fundamentals of Ecology, Arizona State University, Spring 2013  
BIOG 101 Biological Sciences, *Auto-tutorial Section*, Cornell University, Fall 2004

### **Honors, Awards, & Research Grant Funding**

- 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  
2004 The Nyanza Project, NSF Research Experience for Undergraduates  
- IGERT Biogeochemistry and Environmental Biocomplexity Small Grant  
- Cornell PCCW Undergraduate Research Pipeline Grant

### **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**

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, Talks & Panel Participation**

- 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., N. Casson, B. Bertolet, S. Sebestyen, R. Kolka, E. Stnaley. "Carbon... and what else? Consequences of browning to nitrogen and phosphorus cycling in lakes." Invited speaker for the Harvard Forest Seminar Series, Harvard University, Petersham, MA, 21 April 2017.
- Corman, J.R., N. Casson, B. Bertolet, S. Sebestyen, R. Kolka, E. Stanley. "Environmental change and the lakes of the Chequamegon-Nicolet National Forest." Oral presentation given at the R9 Lakes States Sub-Regional Soils, Water, Fisheries, and Aquatic Ecology Workshop. Ashland, WI, 28-28 April 2016.
- 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 development for research and outreach", SOS 598: Articulating the Broader Impacts of Scientific Research, Arizona State University, Spring 2013
- "Nutrient Cycling", BIO 320: Fundamentals of Ecology, Spring 2013
- Invited Panelist, "Showcasing Sustainable Phosphorus Platforms", 3<sup>rd</sup> Sustainable Phosphorus Summit, Sydney, Australia, 29 February – 2 March 2012
- "Biodiversity in the Ocean", GLG 331: Oceanography, Fall 2012, Fall 2013
- 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 Presentations (\*Invited Talk)**

- 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 1<sup>st</sup> 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 9<sup>th</sup> 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**

Panelist, National Science Foundation

Reviewer, *Canadian Journal of Fisheries and Aquatic Sciences, Ecology, Ecology and Society, Environmental Health Perspectives, Freshwater Biology, Freshwater Science, Frontiers in Ecology and Evolution, Journal of Urban Ecology, Hydrologic Processes, Limnology and Oceanography, Limnology and Oceanography: Letters, Marine and Freshwater Research, Water Resources Research*

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*

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

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

Scientific Advisory Committee, 4<sup>th</sup> 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

ASLO Graduate Student Committee, 2010 ASLO/NABS Summer Meeting in Santa Fe, NM, 2009 – 2010

### **Service**

Postdoctoral Representative, Committee on Women in the University, UW-Madison, 2016 – 2017

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

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

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

Committee member, Research & Training Initiatives, School of Life Sciences, 2012 – 2013

Reader, Barrett, The Honors College, Thesis Committee, 2010 – 2011, 2012 – 2013

Student Liaison, Consortium for Science, Policy & Outcomes, Washington, DC, USA, June 2012

School of Life Sciences Undergraduate Research (SOLUR) Mentor, 2009 – present

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

Blog contributor, *Stoichiometry, Fairly Unbalanced*, stoichiometry.wordpress.com, 2009 – 2011

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, 2008 – 2015

Biology Student Advisor, Office of Undergraduate Biology, Cornell University, 2003 – 2005

### **Outreach Activities**

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**

*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 96<sup>th</sup> 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 91<sup>st</sup> Annual Meeting*, Memphis, TN, USA, 6 – 11 August 2006