

Curriculum Vitae

Dr. Eric A. Strauss

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Education

- Ph.D. 2000 Department of Biological Sciences, University of Notre Dame, Notre Dame, IN
Dissertation: Effects of organic carbon and nitrogen availability on nitrification rates in stream sediments. Advisor: Dr. Gary A. Lamberti
- M.S. 1995 Division of Biology, Kansas State University, Manhattan, KS
Thesis: Protozoa-bacteria interactions in subsurface sediments and the subsequent effects on nitrification. Advisor: Dr. Walter K. Dodds
- B.S. 1992 Fisheries Biology, Kansas State University, Manhattan, KS
- B.S. 1992 Chemical Science, Kansas State University, Manhattan, KS
- Assoc. 1989 General Studies, Barton County Community College, Great Bend, KS.

Professional Experience

- 2016 – present Professor, Dept. Biology, Univ. Wisconsin – La Crosse
- 2016 – present Assistant Director, River Studies Center, Univ. Wisconsin – La Crosse
- 2011 – 2016 Associate Professor, Dept. Biology, Univ. Wisconsin – La Crosse
- 2007 – 2011 Assistant Professor, Dept. Biology, Univ. Wisconsin – La Crosse
- 2005 – 2007 Assistant Professor, Dept. Biological Sciences, Fort Hays State Univ.
- 2004 – 2005 Biologist, USGS, Upper Midwest Environmental Sciences Center
- 1999 – 2004 Associate Scientist, Dept. Biology, Univ. Wisconsin – La Crosse

Areas of Expertise

Limnology, Stream Ecology, Ecosystem Ecology, Biogeochemistry, Water Quality

Teaching Experience

University of Wisconsin – La Crosse (2007 – Present)

- BIO 105 General Biology
- BIO 203 Organismal Biology Lab
- BIO 341 Limnology (plus Lab)
- BIO 447/547 Standard Methods and Quality Assurance of Water Analysis (plus Lab)
- BIO 464/564 Stream and Watershed Ecology
- BIO 476/576 Ecosystem Ecology
- BIO 491 Capstone Seminar in Biology
- ENV 303 Issues in Environmental Studies – Forest Ecosystems and Management
- ENV 303 Issues in Environmental Studies – Water Quality and Pollution
- UWL 100 First Year Seminar

Teaching Experience (cont.)

Fort Hays State University (2005 – 2007)

- BIOL 100 Human Biology
- BIOL 200 Humans and the Environment
- BIOL 395 General Ecology (plus Lab)
- BIOL 490 General Microbiology (plus Lab)
- BIOL 607 Topics in Biology: Microbial Ecology
- BIOL 657 Limnology (plus Lab)
- BIOL 855 Seminar in Biology
- BIOL 892 Research in Biology

Courses Prior to Fall 2005:

- Nutrient Dynamics (University of Wisconsin - La Crosse, 2005)
- Nitrogen Cycling in Ecological Systems (University of Wisconsin - La Crosse, 2002)

Graduate Students Advised

<u>Student</u>	<u>Degree</u>	<u>Year</u>	<u>Current Position</u>	<u>Location</u>
Dr. Brad Austin*	M.S.	2008	Research Technician	University of Arkansas
Shane Symmank	M.S.	2011	Project Manager	Natural Systems Utilities, MN
Robert Mooney	M.S.	2014	Ph.D. Student	University of Wisconsin
Rachel Olmanson	M.S.	2014	Project Manager	MN Pollution Control Agency
Jenna Merry	M.S.	2015	Biologist	US Fish and Wildlife Service
Whitney Swanson	M.S.	2016		
Amanda Milde	M.S.	2016	Biologist	US Geological Survey
Katie Bohrman	M.S.	2017		
Matthew Barbour	M.S.		Current Student	
Dustin McHenry	M.S.		Current Student	

*Graduated from Fort Hays State University

Undergraduate Research Students Mentored (only UWL students listed)

Phoenix Rogers (2016-2017)	Alyssa Cooke (2017)
Marissa Mckeehan (2016)	Alisha Saley (2015-2016)
Mikka Nyarko (2015)	Carly Olson (2014-2015)
Karinne Couture (2014-2015)	Brittany Maule (2014-2015)
Sadie Ryan (2013-2014)	Katie Bohrman (2013-2014)
Whitney Swanson (2012-2013)	Riley Buley (2012)
Robert Mooney (2010-2011)	Curtis Slagle (2009-2011)
Cynthia Davy (2010)	Jennifer Heisel (2009-2010)
Shane Symmank (2008-2009)	Brad Buechel (2008)
Dave Dettman (2008)	Amber Goldbeck (2007-2008)

Publication Impact (Web of Science, updated August 2017)

Sum of citations without self-citations:	853
Citing articles without self-citations:	702
Mean citations per article:	34.73
h-index:	16

Peer-Reviewed Articles (*UWL students)

- De Jager, N.R., W. Swanson*, D.L. Hernandez, J. Reich, R. Erickson, and **E.A. Strauss**. Effects of flood inundation, invasion by *Phalaris arundinacea*, and nitrogen deposition on extracellular enzyme activity in an Upper Mississippi River floodplain forest. Submitted to Wetlands.
- Bohrman*, K.J., and **E.A. Strauss**. 2018. Macrophyte-driven transient storage and phosphorus uptake in a western Wisconsin stream. *Hydrological Processes* 32:253-263.
- Swanson*, W., N.R. De Jager, **E.A. Strauss**, and M. Thomsen. 2017. Effects of flood inundation and invasion by *Phalaris arundinacea* on nitrogen cycling in an Upper Mississippi River floodplain forest. *Ecohydrology* 10:e1877-n/a.
- Stelzer, R.S., **E.A. Strauss**, and M. Coulibaly. 2017. Assessing the importance of seepage and springs to nitrate flux in a stream network in the Wisconsin sand plains. *Hydrological Processes*. 31:2016-2028.
- Milde*, A., W.B. Richardson, **E.A. Strauss**, B. Knights, J. Larson, and J. Vallazza. 2017. Spatial and temporal dynamics of suspended particle characteristics and composition in navigation pool 19 of the Upper Mississippi River. *River Research and Applications*. 33:740-752.
- Mooney*, R.J., **E.A. Strauss**, and R.J. Haro. 2016. Nutrient-specific foraging by *Glossosoma intermedium* leads to conspecific case grazing. *Freshwater Science*. 35:873-881. DOI: 10.1086/686699
- De Jager, N.R., W. Swanson*, **E.A. Strauss**, M. Thomsen, Y. Yin. 2015. Flood pulse effects on nitrification in a floodplain forest impacted by herbivory, invasion, and restoration. *Wetlands Ecology and Management*. 23:1067-1081. doi: 10.1007/s11273-015-9445-z.
- Kreiling, R.M., N.R. De Jager, W. Swanson*, **E.A. Strauss**, and M. Thomsen. 2015. Effects of flooding on ion exchange rates in an Upper Mississippi River floodplain forest impacted by herbivory, invasion, and restoration. *Wetlands* 35: 1005-1012.
- Mooney*, R. J., **E.A. Strauss**, and R.J. Haro. 2014. Nutrient recycling by caddisflies alleviates phosphorus limitation in case periphyton. *Freshwater Science* 33:1086-1092.
- Kreiling, R.M., J.P. Schubauer-Berigan, W.B. Richardson, L.A. Bartsch, P.E. Hughes, J.C. Cavanaugh, and **E.A. Strauss**. 2013. Wetland management and restoration for wildlife reduces sediment and nutrient loading to the Upper Mississippi River: mechanisms and outcomes. *Journal of Environmental Quality*. 42:573-583.
- Strauss, E.A.**, W.B. Richardson, L.A. Bartsch, J.C. Cavanaugh. 2011. Effect of habitat type on in-stream nitrogen loss in the Mississippi River. *River Systems*. 19:261-269.
- Stelzer, R.S., L.A. Bartsch, W.B. Richardson, and **E.A. Strauss**. 2011. The dark side of the hyporheic zone: depth profiles of nitrogen and its processing in stream sediments. *Freshwater Biology*. 56:2021-2033.
- Austin, B.J. and **E.A. Strauss**. 2011. Nitrification and denitrification response to varying periods of desiccation and inundation in a western Kansas stream. *Hydrobiologia*. 658:183-195.
- Perez, K. E., **E.A. Strauss**, N. Downey, A. Galbraith, R. Jeanne, & S. Cooper. 2010. Does displaying the class results affect student discussion during peer instruction? *CBE Life Sciences Education*. 9:133-140
- Duff, J.H., A.J. Tesoriero, W.B. Richardson, **E.A. Strauss**, and M.D. Munn. 2008. Whole-stream response to nitrate loading in three streams draining agricultural landscapes. *Journal of Environmental Quality*. 37:1133-1144.
- Strauss, E.A.**, W.B. Richardson, J.C. Cavanaugh, L.A. Bartsch, R.M. Kreiling, and A.J. Standorf. 2006. Variability and regulation of denitrification in an Upper Mississippi River backwater. *Journal of the North American Benthological Society*. 25:596-606.

- Cavanaugh, J.C., W.B. Richardson, **E.A. Strauss**, and L.A. Bartsch. 2006. Nitrogen dynamics in sediment during water level manipulation on the Upper Mississippi River. *River Research and Applications*. 22:651-666.
- Bruesewitz, D.A., J.L. Tank, M.J. Bernot, W.B. Richardson, and **E.A. Strauss**. 2006. Seasonal effects of the zebra mussel (*Dreissena polymorpha*) on sediment denitrification rates in Pool 8 of the Upper Mississippi River. *Canadian Journal of Fisheries and Aquatic Sciences*. 63:957-969.
- Richardson, W.B., **E.A. Strauss**, L.A. Bartsch, E.M. Monroe, J.C. Cavanaugh, L. Vingum, and D.M. Soballe. 2004. Denitrification in the Upper Mississippi River: rates, controls, and contribution to nitrate flux. *Canadian Journal of Fisheries and Aquatic Sciences*. 61:1102-1112.
- Strauss, E.A.**, W.B. Richardson, L.A. Bartsch, J.C. Cavanaugh, D.A. Bruesewitz, H. Imker, J.A. Heinz, and D.M. Soballe. 2004. Nitrification in the Upper Mississippi River: patterns, controls, and contribution to the nitrate budget. *Journal of the North American Benthological Society*. 23:1-14.
- Strauss, E.A.**, N.L. Mitchell, and G.A. Lamberti. 2002. Factors regulating nitrification in aquatic sediments: effects of organic carbon, nitrogen availability, and pH. *Canadian Journal of Fisheries and Aquatic Sciences*. 59:554-563.
- Strauss, E.A.**, and G.A. Lamberti. 2002. Microbial decomposition of leaf leachates and effect of organic carbon quality on nitrification rates in stream sediments. *Freshwater Biology*. 47:65-74.
- Dodds, W.K., M.A. Evans-White, N.M. Gerlanc, L. Gray, D.A. Gudder, M.J. Kemp, A.L. Lopez, D. Stagliano, **E.A. Strauss**, J.L. Tank, M.R. Whiles and W.M. Wollheim. 2000. Quantification of the nitrogen cycle in a prairie stream. *Ecosystems*. 3:574-589.
- Strauss, E.A.** and G.A. Lamberti. 2000. Regulation of nitrification in aquatic sediments by organic carbon. *Limnology and Oceanography*. 45:1854-1859.
- Strauss, E.A.**, and W.K. Dodds. 1997. Influence of protozoa and nutrient availability on nitrification rates in subsurface sediments. *Microbial Ecology*. 34:155-165.
- Dodds, W.K., M.K. Banks, C.S. Clennan, C.W. Rice, D. Sotomayor, **E.A. Strauss**, and W. Yu. 1996. Biological properties of soil and subsurface sediments under abandoned pasture and cropland. *Soil Biology and Biochemistry*. 28:837-846.
- Yu, W., W.K. Dodds, M.K. Banks, J. Skalsky, and **E.A. Strauss**. 1995. Optimal staining and sample storage time for direct microscopic enumeration of total and active bacteria in soil using two fluorescent dyes. *Applied and Environmental Microbiology*. 61:3367-3372.
- Strauss, E.A.**, W.K. Dodds, and C.C. Edler. 1994. The impact of nutrient pulses on trophic interactions in a farm pond. *Journal of Freshwater Ecology*. 9:217-228.
- Dodds, W.K., **E.A. Strauss**, and R. Lehmann. 1993. Nutrient dilution and removal bioassays to estimate phytoplankton response to nutrient control. *Archiv fur Hydrobiologie*. 128:467-481.

Book Chapter

- Dodds, W.K., A.J. Burgin, A.M. Marcarelli, and **E.A. Strauss**. 2017. Chapter 32: Nitrogen Transformations. In F.R. Hauer and G.A. Lamberti (Eds.), *Methods in Stream Ecology*, 3rd Edition. Academic Press.
- Strauss, E.A.** 2005. Microbiology of lotic aggregates and biofilms. Pages 305-309, In J.H. Lehr and J. Keeley (Eds.), *Water Encyclopedia: Surface and Agricultural Water*. John Wiley & Sons, Inc.

Research Grants/Contracts Funded

- 2016 Whole stream uptake rates of nitrate and phosphate in agricultural streams of Fox River Basin in eastern Wisconsin, US Geological Survey, \$20,000 (PI)
- 2014-2015 In-stream and deep sediment nitrate uptake in Emmons Creek, Wisconsin, UWL Faculty Research Grant, \$10,257 (PI)

- 2013 Analyzing, modeling, interpreting carbon deposition and sequestration in reservoirs, US Army Corps of Engineers via US Geological Survey, \$20,000 (PI)
- 2012-2013 Reciprocal effects of alternative vegetation management techniques on soil nutrients and nitrification rates along an elevation gradient in an Upper Mississippi River floodplain forest, US Geological Survey, \$13,177 (co-PI)
- 2011-2012 Overview of sediment nitrogen dynamics in agricultural streams of the US Geological Survey National Water Quality Assessment Program's (NAWQA) Nutrient Enrichment Effects Team (NEET), US Geological Survey, \$10,342 (PI)
- 2010-2011 Radioactivity of sediments from Sturgeon Lake, a backwater lake of the Upper Mississippi River, near the Prairie Island Indian Community in southeastern Minnesota, Prairie Island Indian Community, \$24,219 (co-PI)
- 2010-2011 Nitrogen mass balance and synthesis, US Geological Survey, \$6,642 (PI)
- 2008-2010 Nitrification analysis of sediments from agricultural streams, US Geological Survey, \$11,000 (PI)
- 2008-2009 Assessment of autotrophic and fungal heterotrophic nitrification in freshwater, UWL Faculty Research Grant, \$10,980 (PI)
- 2007-2008 Nutrient limitation of periphyton in western Wisconsin streams, UWL Faculty Research Grant, \$6,252 (PI)
- 2006-2007 Non-point source water pollution of Big Creek. WaterLINK – Kansas Department of Health and Environment. \$5,000 (Co-PI)
- 2006-2008 Understanding and forecasting ecological change: causes, trajectories, and consequences of environmental change in the Central Plains. National Science Foundation EPSCoR Grant. \$101,000 (FHSU Lead)
- 2006 Nitrogen isotope modeling and synthesis for three agricultural streams in Washington, Maryland, and Nebraska. US Geological Survey. \$7,500 (PI)
- 2006 Assessment of hydrology and nitrogen cycling in the Saline River. FHSU Graduate School Summer Research Grant. \$6,475 (PI).
- 1998-2000 Effects of dissolved organic carbon on nitrification rates in aquatic ecosystems. 1998. Doctoral Dissertation Improvement Grant awarded by the National Science Foundation. Funded at \$9,985.
- 1997-1999 An evaluation of the performance of two stormwater filters for Juday Creek, St. Joseph County, Indiana. St. Joseph County Drainage Board. \$41,000 (PI).

Presentations since 2013 (*UWL student, \$\$\$ = Award Winner)

- Strauss, E.A.**, K.J. Bohrman, N. Leisz, M. McKeehan, B. Kreiling, L. Bartsch, W.B. Richardson. 2017. Phosphorus uptake in streams within the Fox River Basin of eastern Wisconsin. Annual Meeting of the Mississippi River Research Consortium, La Crosse, WI. April 27, 2017. Oral Presentation.
- Bohrman, K.J., **E.A. Strauss**, and A. Saley. 2017. Transient storage in aquatic vegetation drives phosphorus uptake in a Driftless Area stream. Annual Meeting of the Mississippi River Research Consortium, La Crosse, WI. April 27, 2017. Oral Presentation.
- Stelzer, R., and **E.A. Strauss**. 2016. Comparing the contributions of springs and seeps to nitrate flux in a stream network in central Wisconsin. Annual Meeting of the Society for Freshwater Science, Society for Freshwater Science, Sacramento, CA, May 24, 2016. Poster Presentation.
- Strauss, E.A.**, K.J. Bohrman, and A.M. Saley. 2016. Effect of stream hydrology on phosphorus uptake in a cold-water stream in western Wisconsin, Annual Meeting of the Society for Freshwater Science, Sacramento, CA. May 24, 2016. Poster Presentation.

- Bohrman, K.J. and **E.A. Strauss**. 2016. Geomorphology, transient storage, and phosphorus uptake: Longitudinal trends in a spring-fed stream. Annual Meeting of the Mississippi River Research Consortium, La Crosse, WI. April 28, 2016. Oral Presentation.
- Milde, A.S., W.B. Richardson, **E.A. Strauss**, J.H. Larson, J.M. Vallazza, and B.C. Knights. 2016. Suspended particle dynamics in Pool 19 of the Upper Mississippi River. Annual Meeting of the Mississippi River Research Consortium, La Crosse, WI. April 28, 2016. Oral Presentation.
- Saley*^{SSS}, A.M., and **E.A. Strauss**. 2016. Using recirculating chambers to measure substrate specific phosphorus uptake rates in a Driftless Area stream Annual Meeting of the Mississippi River Research Consortium, La Crosse, WI. April 28, 2016. Poster Presentation.
- Strauss, E.A.** 2016. Nutrient availability and cycling in Driftless Area streams: Assessments at multiple spatial scales. Department of Biology, Carleton College. Northfield, MN. January 11, 2016. Invited Department of Biology Seminar.
- Richardson, W., J. Cavanaugh, L. Bartsch, and **E.A. Strauss**. 2015. Changes in sediment nitrogen dynamics as a result of water level manipulations in the Upper Mississippi River (Navigation Pool 8) and Lower Illinois River (Swan Lake). 4th Biennial Symposium of the International Society for River Science. August 27, 2015. Oral Presentation.
- Milde*, A., W. Richardson, **E.A. Strauss**, J. Larson, B. Knights, and J. Vallazza. 2015. Effects of filter-feeding Asian Carp on particle dynamics in Navigation Pools 19 and 20 of the Upper Mississippi River. 4th Biennial Symposium of the International Society for River Science. August 26, 2015. Oral Presentation.
- Swanson*, W., N. De Jager, and **E.A. Strauss**. 2015. Effects of flooding, invasion and nitrogen addition on nitrogen cycling in the Upper Mississippi River floodplain. 4th Biennial Symposium of the International Society for River Science. August 25, 2015. Oral Presentation.
- Strauss, E.A.**, C.R. Olson*, N.A. Strauss, and R.S. Stelzer. 2015. Modeling hydrological parameters and nitrate uptake in Emmons Creek, a high nitrate cold water stream in east central Wisconsin. Society of Freshwater Science Annual Meeting Milwaukee, WI. May 20, 2015. Poster Presentation.
- Swanson*^{SSS}, W., N.R. De Jager, and **E.A. Strauss**. 2015. Effects of flooding, invasion and nitrogen addition on nitrogen cycling in the Upper Mississippi River floodplain. Mississippi River Research Consortium Annual Meeting La Crosse, WI. April 24, 2015. Oral Presentation.
- Maule*^{SSS}, B.A., and **E.A. Strauss**. 2015. Relative nutrient availability in two streams in southwest Wisconsin. Mississippi River Research Consortium Annual Meeting, La Crosse, WI. April 22, 2015. Poster Presentation.
- Milde*, A.S., W.B. Richardson, **E.A. Strauss**, J. Larson, J. Vallazza, and B. Knights. 2015. Filter-feeding Asian carp and particle dynamics in pools 19 and 20 of the Mississippi River. Mississippi River Research Consortium Annual Meeting La Crosse, WI. April 23, 2015. Poster Presentation.
- Olson*, C.R., **E.A. Strauss**, N.A. Strauss, and R.S. Stelzer. 2015. Hydrological modeling and nitrate uptake in a high nitrate stream in central Wisconsin. Mississippi River Research Consortium Annual Meeting La Crosse, WI. April 23, 2015. Poster Presentation.
- Strauss, E.A.**, A. Milde*, A. Saley*, T. Gruszka*, M. Hess*, B. Maule*, P. Ravenscroft*, K. Skoyen*, J. Becker, M. Bernot, and T. Lauer. 2015. Pharmaceuticals and personal care products in rivers and streams of the La Crosse, WI area compared to national data. Mississippi River Research Consortium Annual Meeting La Crosse, WI. April 23, 2015. Poster Presentation.
- Maule*, B.A., and **E.A. Strauss**. 2015. Stoichiometric nutrient relationships in two Driftless Area streams. National Conference on Undergraduate Research. Spokane, WA. April 18, 2015. Poster Presentation.

- Strauss, E.A.** 2015. The nitrogen cycle in the Mississippi River: Are nitrogen losses inconsequential? School of Freshwater Science, University of Wisconsin - Milwaukee. Milwaukee, WI. April 2, 2015. Invited Oral Presentation.
- Mooney*, R., **E.A. Strauss**, and R.J. Haro. 2014. *Glossosoma intermedium* as stream ecosystem engineers: The role of *G. intermedium* larvae in phosphorus remineralization and invertebrate diversity. Joint Aquatic Sciences Meeting. Portland, OR. May 20, 2014. Poster Presentation.
- Strauss, E.A.**, D.M. Soballe, W.B. Richardson, and J.C. Nelson. 2014. Rapid, large-scale estimates of carbon sequestration in the sediments of reservoirs. Joint Aquatic Sciences Meeting. Portland, OR. May 20, 2014. Oral Presentation.
- Bohrman*, K.J., and **E.A. Strauss**. 2014. Effect of land use on periphyton distribution and abundance in Driftless Area streams. Mississippi River Research Consortium Annual Meeting. La Crosse, WI. April 24, 2014. Poster Presentation.
- De Jager, N.R., J. Rohweder, T. Fox, Y. Yin, M.A. Thomsen, **E.A. Strauss**, B. Cogger*, and W. Swanson*. 2014. Modeling and mapping flood inundation along the Upper Mississippi River: Implications for the study and management of floodplain vegetation and soil dynamics. Mississippi River Research Consortium Annual Meeting. La Crosse, WI. April 24, 2014. Oral Presentation.
- Farrow*, D., and **E.A. Strauss**. 2014. Effects of submersed macrophytes on whole stream metabolism in a temperate cold water stream. Mississippi River Research Consortium Annual Meeting. La Crosse, WI. April 24, 2014. Poster Presentation.
- Milde*, A., W.B. Richardson, and **E.A. Strauss**. 2014. Effects of filter-feeding Asian Carp on particle dynamics in a newly invaded segment of the Mississippi River. Mississippi River Research Consortium Annual Meeting. La Crosse, WI. April 24, 2014. Poster Presentation.
- Mooney*, R.J., **E.A. Strauss**, and R.J. Haro. 2014. *Glossosoma intermedium* as stream ecosystem engineers: The role of *G. intermedium* larvae in phosphorus remineralization and invertebrate diversity. Mississippi River Research Consortium Annual Meeting. La Crosse, WI. April 24, 2014. Poster Presentation.
- Ryan*, S., and **E.A. Strauss**. 2014. Depth-specific organic carbon content and decomposition rates in sediment of aquatic habitats in the Upper Mississippi River. Mississippi River Research Consortium Annual Meeting. La Crosse, WI. April 24, 2014. Poster Presentation.
- Swanson*, W., **E.A. Strauss**, and N.R. De Jager. 2014. Effects of flooding and nitrogen addition on nitrogen cycling in reed canarygrass and mature silver maple communities in the Upper Mississippi River floodplain. Mississippi River Research Consortium Annual Meeting. La Crosse, WI. April 24, 2014. Poster Presentation.
- Dougi, D.T., J.R. Arnold, and **E.A. Strauss**. 2013. Carbon Sequestration at USACE Reservoirs on the Upper Missouri River System. Summer Intern Poster Presentation for Joint Institute for the Study of the Atmosphere and Ocean, University of Washington. Seattle, WA. August 22, 2013. Poster Presentation.
- De Jager, N.R., M.A. Thomsen, **E.A. Strauss**, B.J. Cogger*, and W. Swanson*. 2013. Interactive effects of flooding and deer (*Odocoileus virginianus*) browsing on floodplain vegetation and nitrogen dynamics. Ecological Society of America Annual Meeting. Minneapolis, MN. August 9, 2013. Oral Presentation.
- Merry*, J.L., and **E.A. Strauss**. 2013. Influence of stream macrophytes on slimy sculpin (*Cottus cognatus*) distribution and in-stream food webs. Society of Freshwater Science Annual Meeting. Jacksonville, FL. May 22, 2013. Poster Presentation.
- Mooney*,^{SSS} R.J., **E.A. Strauss**, and R.J. Haro. 2013. *Glossosoma intermedium* case periphyton as a nutritionally beneficial resource for lotic grazing communities. Society of Freshwater Science Annual Meeting. Jacksonville, FL. May 22, 2013. Poster Presentation.

- Olmanson*, R.M., and **E.A. Strauss**. 2013. Patterns of nutrients in streams across land cover gradients in the Driftless Area of the Midwestern U.S. Society of Freshwater Science Annual Meeting. Jacksonville, FL. May 22, 2013. Poster Presentation.
- Merry*^{SSS}, J., and **E.A. Strauss**. 2013. Does macrophyte abundance influence sculpin distribution and food web dynamics in streams? Mississippi River Research Consortium Annual Meeting. La Crosse, WI. April 25, 2013. Poster Presentation.
- Mooney*, R.J., **E.A. Strauss**, and R.J. Haro. 2013. The role of consumer-driven nutrient recycling by *Glossosoma intermedium* in lotic ecosystems. Mississippi River Research Consortium Annual Meeting. La Crosse, WI. April 25, 2013. Poster Presentation.
- Olmanson*, R., and **E.A. Strauss**. 2013. Effects of land use on water quality in streams of the Driftless Area. Mississippi River Research Consortium Annual Meeting. La Crosse, WI. April 25, 2013. Oral Presentation.
- Swanson*, W., **E.A. Strauss**, N.R. De Jager, M.A. Thomsen, and Y. Yin. 2013. Floodplain forest nitrogen dynamics within differing vegetation communities in Pool 8 of the Upper Mississippi River. Mississippi River Research Consortium Annual Meeting. La Crosse, WI. April 25, 2013. Oral Presentation.
- Mooney*, R.J., **E.A. Strauss**, and R.J. Haro. 2013. Unique behavior of an aquatic insect may allow it to overcome patterns of nutrient limitation in southwestern Wisconsin streams. Upper Midwest Stream Restoration Symposium, Partnership for River Restoration and Science in the Upper Midwest. La Crosse, WI. February 21, 2013. Poster Presentation.

Discipline Service and Involvement

Professional Society Memberships

- Association for the Sciences of Limnology and Oceanography
- Society for Freshwater Science (formerly North American Benthological Society)
- Mississippi River Research Consortium

Professional Society Service

- Webmaster, Mississippi River Research Consortium (2015-Present)
- Chair of Conservation and Environmental Issues Committee, Society for Freshwater Science (2013-present)
- Member of Steering Committee for 4th Biennial Symposium of the International Society for River Science (ISRS) (2014-2015)
- President, Mississippi River Research Consortium (2013-2014)
- Vice President, Mississippi River Research Consortium (2012-2013)
- Secretary, Mississippi River Research Consortium (2010-2012)

Peer Review Service

Biogeochemistry, Canadian Journal of Fisheries and Aquatic Sciences, Estuaries, FEMS Microbiology Ecology, Hydrobiologia, Journal of Applied Ecology, Journal of Environmental Science and Health, Journal of Geophysical Research – Biogeosciences, Journal of the North American Benthological Society, Limnology and Oceanography, MicrobiologyOpen, Oikos, PLoS One, Prairie Naturalist, River Research and Applications, Water, Air, and Soil Pollution: Focus, and Western North American Naturalist