

Curriculum Vitae  
**C. Kevin Geedey**

**Education:**

- Ph. D. 1997 Michigan State University, Zoology and the Interdisciplinary program in Ecology and Evolutionary Biology
- M.S. 1990 Michigan State University, Zoology and the Interdisciplinary program in Ecology and Evolutionary Biology
- B.A. 1985 Ohio State University, Philosophy
- B.S. 1985 Ohio State University, Zoology

**Augustana duties:**

- 2010-current **Chair of the Natural Sciences Division.** Duties include being the science representative in tenure, promotion, and performance reviews.
- 2010-current **Professor of Biology.** Teaching duties include General Ecology, Evolutionary Biology, Aquatic Biology, Field biology, and hydroecology immersion term (with Reuben Heine).
- 2004-2009 **Associate Professor of Biology.** teaching duties include General Ecology, Evolutionary Biology, Aquatic Biology, Field biology, Science vs. Pseudo science, and The Evolution of Scientific Principles.
- 2004-2006 **Co-Chair, Department of Biology.** Duties included department-administration liaison, department representative for all faculty welfare related issues, and handling student concerns about departmental faculty.
- 1996-2003 **Assistant Professor of Biology** Augustana College. Departmental teaching duties as above, but also included two years of the team-taught sophomore honors class LS 221 (with Laura Greene).

**Publications since joining the Augustana faculty:**

- 2012 Reuben Heine and Kevin Geedey. Freshwater mussel survey with and for the US Fish and Wildlife Service (Rock Island office). Along with Reuben Heine and USFWS personnel (Jon Duvejonck), I supervised and helped design a mussel survey in the Sylvan Slough area in the Mississippi River (Pool 15, River mile 485.8) at the site of a proposed new bridge. A formal report of the data was filed with the USFWS. (Not peer-reviewed)
- 2010 Jon Clauss and Kevin Geedey. **Knowledge Surveys: Students ability to Self-assess.** Journal for the Scholarship of Teaching and Learning Vol. 10, No. 2, June 2010, pp. 14 – 24.
- 2009 C. Kevin Geedey. **The 150 year legacy of Charles Darwin & On the Origin of Species.** Feature article in the 2009 Science Annual for World Book Encyclopedia. This was a non-peer reviewed invited article.
- 2005 C. Kevin Geedey and Stephen B. Hager. **How blind is the watchmaker? Nature's design and the limits of naturalistic science.** Reports of the National Center for Science Education. Vol 25 (2) pgs 49-51. This was an invited book review of Neil Broom's *How blind is the watchmaker?*
- 2004 Jeffrey L. Dudycha and C. Kevin Geedey. **Ethical Issues in Ecology: Case Studies.** A booklet published by the Ecological Society of America that contains the collected reprints of all of the ethics articles from Frontiers in Ecology and the Environment.
- 2004 C. Kevin Geedey and Jeffrey L. Dudycha.. **The Extra Credit Activist.** Frontiers in Ecology and the Environment. 2(5): 274-275
- 2004 C. Kevin Geedey, Karen Muskavitch, and Jeffrey L. Dudycha. **The Statute of Limitations** Front. Ecol. Environ. 2(4): 217-218
- 2004 Jeffrey L. Dudycha and C. Kevin Geedey. **The Methods Actor: Part 2.** Front. Ecol. Environ. 2(3): 161-162

- 2004 Jeffry L. Dudycha and C. Kevin Geede. **The Methods Actor: Part 1.** Front. Ecol. Environ. 2(2): 106-107
- 2004 C. Kevin Geede and Jeffry L. Dudycha. **The Stats Guy.** Front. Ecol. Environ. 2(1): 49-50
- 2003 Jeffry L. Dudycha and C. Kevin Geede. **The Job Search** Front. Ecol. Environ 1(10): 549-550
- 2003 C. Kevin Geede and Jeffry L. Dudycha. **Is the PR job tenure-track too?** Front. Ecol. Environ. 1(9): 503-504
- 2003 Jeffry L. Dudycha and C. Kevin Geede. **Polluted Objectivity?** Front. Ecol. Environ 1(8): 444-445
- 2003 C. Kevin Geede and Jeffry L. Dudycha. **The Big Story.** Front. Ecol. Environ. 1(7): 391-392
- 2003 Jeffry L. Dudycha and C. Kevin Geede. **Adventures of the Mad Scientist: Fostering science ethics in ecology with case studies.** Front. Ecol. Environ. 1(6): 330-333
2001. Alan J. Tessier, E.V. Bizina, and C. K. Geede. **Grazer-resource interactions in the plankton: are all daphniids alike?** Limnology and Oceanography 46: 1585-95.

**Presentations at professional meetings since becoming an Augustana faculty member (Augustana student presenters in bold):**

2015. **Torres, J.**, C.K. Geede, T.R. Brosius, and M. Reisner. **Aquatic macroinvertebrate diversity within an urbanized gradient**, Entomological Society of America Annual Conference, Minneapolis, MN, November 5-7, 2015
2015. Tara Cullison, **Kelsey Self**, Michael Reisner, Kevin Geede, Reuben Heine, Tierney Brosius **Urban Water Quality: Assessing the health of stormwater streams in an urbanized environment.** Mississippi River Research Consortium 22-24 April 2014, LaCrosse, WI
2015. **Brian Lovejoy, Jake Torres**, Kevin Geede, Tierney Brosius, Michael Reisner, Tara Cullison, **Kelsey Self, Kara Noonan.** **Aquatic macroinvertebrate diversity within an urbanized gradient.** Mississippi River Research Consortium 22-24 April 2014, LaCrosse, WI
2014. Michael Reisner, Kevin Geede, Reuben Heine, Adam Kaul, **Jessica Flondro, Carlisle Evans-Peck, and Tara Cullison.** Assessing urban watershed health in the cities of Rock Island and Moline, IL. Mississippi River Research Consortium April 23-25 LaCrosse WI
2014. **John Bialek, Mason Robertson** , Kevin Geede , and Michael Reisner. Alkalinity and Dissolved Oxygen Relationships in Upper Mississippi Studies Center Watersheds. Mississippi River Research Consortium April 23-25 LaCrosse WI
2013. Tracy Gartner, Carolyn Thomas, Laurel Anderson, Gerald Dosch, Kevin Geede, Dan Hornbach, Kelly Lyons, Jose Luis Machado, Carol Mankiewisz, Rachel Schultz, Craig Zimmerman. **Decomposition in Aquatic and Terrestrial Ecosystems (DATIS): A collaboration among ecologists at primarily undergraduate institutions.** A poster presented at the 2013 annual meeting of the Ecological Society of America, Minneapolis, MN. <http://erenweb.org/wp-content/uploads/2011/08/ESA-2013-DATISfinal.pdf>
2007. Jon Clauss and C. Kevin Geede. **Knowledge Surveys: Helping Students Self-Assess.** A presentation at The SoTL Commons, Nov 1-2, Georgia Southern University.
2007. **Karrie Kelm** and K. Geede. **Factors that influence soil respiration in native Illinois Ecosystems.** This paper was presented at the 2007 meeting of the Illinois State Academy of Science
2007. **Julie Reynolds** and K. Geede . **Physical Correlates of Invertebrate Species Diversity.** This paper was presented at the 2007 meeting of the Illinois State Academy of Science

2002. Jeffry L. Dudycha and C. Kevin Geede. **Adventures of the Mad Scientist: Fostering science ethics in ecology with case studies** A presentation to the annual meeting of the Association for Practical and Professional Ethics

2001. Dudycha, Jeffery, and C. Kevin Geede. **How not to be an evil scientist: Case studies for teaching professional ethics for ecologists.** The Ecological Society of America 86<sup>th</sup> annual meeting. Madison WI.

2001. **Andrea Jaeger**, C. Kevin Geede and Stephen Hager. **The Competitive Impact of Western Chorus Frog Tadpoles on Crustacean Zooplankton.** a poster presentation to the Illinois State Academy of Science, April 20, 2001 Western Illinois University.

#### **Submitted external grants and competitive applications.**

2013. NSF, senior personnel for a grant submitted to macrosystems ecology.

2006. Merck/American Association for the Advancement of Science Undergraduate Science Research Program. Grant's purpose was to facilitate links between chemistry and biology via undergraduate research. Submitted with Trotter, Scott, Biggin, Singer, and Crawford. Application accepted

2005. Merck/American Association for the Advancement of Science Undergraduate Science Research Program. Grant's purpose was to facilitate links between chemistry and biology via undergraduate research. Submitted with Trotter, Scott, Biggin, Koontz, and Douglas. Application rejected Feb 2006

2005. Application to attend a four day NSF-funded workshop: "New approaches and techniques for teaching science: Addressing environmental problems to stimulate undergraduate learning." My application was accepted, and I attended the workshop July 13-17, 2005.

#### **Supervised Student Research resulting in presentations (empirical studies only, library based independent and directed studies not listed)**

2015-2016 (ongoing) Shelby Cosman, Danica Grey, Christina Gosiewski, Ashley Kethcary, Kassandra Tyra, Emily Stanevicius, Dan Herrera. **Datis: Decomposition of aquatic and terrestrial invasive species.** Project is part of the NSF sponsored Ecological Research as Education Network.

2014-2015 Kelly Sullivan. **Road Salt's effect of Photosynthesis Rate as Measured by Oxygen Production.** Presented at the 2015 celebration of learning.

2014-2015 Megan Petershon. **Crayfish Abundance and Diet between two different habitats.** Presented at the 2015 Celebration of Learning.

2013-2015 Julee Morrison, Christopher Hager, and Benjamin Rudy. **Datis: Decomposition of aquatic and terrestrial invasive species.** Project is part of the NSF sponsored Ecological Research as Education Network. Presented at the 2015 Celebration of Learning

2013-2014. Hailee De Wild, Abigail Jones. **A Comparative Analysis of Groundwater, Surface Water and Surface Water with Rainwater Runoff** Presented at the Celebration of Learning 2014

2013-2014. Carrie Keahl, Matthew Shipon. **Population and Diversity of Phytoplankton** Presented at the Celebration of Learning 2014

2013-2014 Jessica Leifheit, Katelyn Lazar. **Submerged Macrophytes as a Water Quality Indicator of the Mississippi River.** Presented at the Celebration of Learning 2014. Lazar was also inducted into *Sigma Xi* and presented this work to the local chapter.

2013-2014 Lydia Boyle, Ally Frickman, Cody Moss and Sean Considine. **The Relationship Between Mussel Diversity and**

**Sediment Type In Relation To Invasive Species Prevalence** Presented at the Celebration of Learning 2014. Frickman and Boyle were also inducted into *Sigma Xi* and presented this work to the local chapter.

2013-2014 Kathryn George, Amy Okichich, Eric Pitts. **Decomposition of oak, maple, and pine leaves in slough water.** Presented at the celebration of learning and also to the local chapter of *Sigma Xi*.

2012-2014 Han Byeong, Benjamin Rudy, Keegan Horack, and William Thompson. **Decomposition of Aquatic and Terrestrial Invasive Species.** Project is part of the NSF sponsored Ecological Research as Education Network. Presented at the 2014 Celebration of Learning

2012-2013. Alison Bjork **Raspberry plant dispersion and abundance in an oak forest versus pine forest.** Presented to the local chapter of *Sigma Xi*.

2012-2013. Ashlee Tiernan **A Comparative Study of Productivity within Macrophyte Communities Found in Main Pond** Presented to the local chapter of *Sigma Xi*

2012-2013. George Papandrea. **A Perspective on Global Warming: Effects on predator prey relations at varying temperatures** Presented at the 2013 Celebration of Learning.

2012-2013. Janelle Gothner. **Water quality as it flows throughout Green Wing watershed.** Presented to the local chapter of *Sigma Xi*.

2012-2013. Javier Rodriguez. **Species Diversity of Odonates at Greenwing Environmental Laboratory.** To be presented at Celebration of Learning.

2012-2013. Kimberly Johnson. **Dispersion and Attributes of Two Populations of the Common Milkweed.** To be presented at Celebration of Learning.

2012-2013. Reeya Patel. **The Effects of Variable Light Intensities on the Predation Rate of Odonata.** Presented to the faculty of the biology department.

2011-2012. Danielle Joerger, Danna Jensen, Luke Clayton, Carlisle Evans-Peck and Aaron Trost. **Mussell survey of upper Sylvan Slough, Pool 15.** Presented at celebration of learning, the local chapter of *Sigma Xi*, and the 2012 meeting of the Mississippi River Research Consortium in LaCrosse, WI. (Co-mentored with Reuben Heine)

2011-2012. Devon Di Iorio, Austin Larson, Braden Perkins, and Huangyuying Zhang. **Impact of Milan steel dam on freshwater mussels, concerning distribution and richness, lower Rock River region.** Presented at celebration of learning, the local chapter of *Sigma Xi*, and the 2012 meeting of the Mississippi River Research Consortium in LaCrosse, WI. (Co-mentored with Reuben Heine)

2011-2012 Amanda Tubay. **Algae dynamics at the Beling Ecological Preserve,** presented at Celebration of learning.

2011-2012. Conrad Newell. **Ability of Hypophthalmichthys molitrix to perceive open spaces and problem solve.** presented at the Celebration of Learning.

2010-2011 Andrew Nice. **Primary Production: Rates of photosynthesis and cellular respiration in Main Pond.** presented at Celebration of learning.

2010-2011. Nathan Treichel. **The influence of body mass on ammonia excretion in bluegills.** presented at Celebration of learning.

2009-2010 Matthew Craig and Jessie Lepore. **The Effect of duckweed removal on the biogeochemistry of an urban riparian marsh.** Presented at Celebration of learning, the local chapter of *Sigma Xi*, the 2010 meeting of the Illinois State Academy of Science, and the Midstates Consortium meeting for undergraduate research. (co-mentored with Mary Ellen Biggin)

2008-09 Shaina Bengtson. **Prey Preference of Western Chorus Frogs.** Presented at the local chapter of Sigma Xi, and the celebration of learning.

2008-09 Emily Grossman. **Effects of Man-made structures on the surrounding habitat.** Emily's work was presented at the local Sigma Xi meeting, the midstates consortium meeting for undergraduate research, and was presented at celebration of learning.

2008-09 Doug Hoerner. **Prey capture efficiency in Dyticid larvae (In Progress).** Was presented at the celebration of learning.

2008-09 Rose Szczurek **Everybody is pooped out.** This overly colorfully named empirical study (on the invertebrate diversity found in deer feces) was presented at the local chapter of *Sigma Xi* and was presented at the celebration of learning.

2007-08 Nate Stadick. **Variations in water conditions and their effects on dissolved oxygen in Augustana's Slough.** Presented at the celebration of learning.

2007-08 James Walsh, J. Rhoades, and B. VanDeWoestyne. **Analysis of herbicide influence on local aquatic ecosystems.** jointly supervised by Mary Ellen Biggin. This research was presented at the Midstates Consortium meeting for undergraduate research and the celebration of learning..

2006-07 Christopher Bertram. **Soil pH affects the dispersion patterns of *carex stricta*** This empirical study was presented at the celebration of learning.

2006-07 Anthony Fina. **Greenwing forest.** presented at celebration of learning.

2006-07 Karrie Kelm. **Factors that influence soil respiration in native Illinois Ecosystems.** . This paper was presented at the 2007 meeting of the Illinois State Academy of Science as well as the celebration of learning

2006-07 Julie Reynolds. **Physical Correlates of Invertebrate Species Diversity.** Co-advised by Mary Ellen Biggin. This paper was presented at the 2007 meeting of the Illinois State Academy of Science as well as celebration of learning.

2005-6: James Walsh. **Water Quality Trends within the Slough: 1998 vs 2006.** . This study was presented at celebration of learning.

#### **Other departmental and campus service:**

2002-current Campus advisor to βββ, the biological sciences honorary society. The Augustana chapter received an "outstanding chapter" award for 2004-2005 and has received the Yokley Outstanding Chapter Activity Recognition for 25 years of continuous membership registration in 2009. We hosted the regional meeting in 2012.