

Michelle A. Evans-White
Michelle A. Evans (maiden name)
Curriculum vitae

University of Arkansas, Dept. of Biological Sciences, 601 Science Engineering, Fayetteville, AR
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Employment History

2018-present Professor, Vice Chair, Graduate Studies Coordinator, UA BISC
2017-2018 Vice Chair and Graduate Studies Coordinator, UA BISC
2013 – 2017 Associate Professor, UA, BISC
2008-2013 Assistant Professor
University of Arkansas (UA), Department of Biological Sciences (BISC)
2006-2008 Post-Doctoral Research Associate
Kansas State University, Division of Biology
Mentors: Drs. Walter K Dodds and Keith B. Gido
2005-2006 Post-Doctoral Research Associate
University of Notre Dame, Department of Biological Sciences
Mentors: Drs. Jennifer Tank, Matthew Whiles, Emma Rosi-Marshall, and
Todd Royer

Education

2005 Ph.D. in Biology, University of Notre Dame
2000 M.S. in Biology, Kansas State University
1997 B.S. in Biology, Kansas State University
B.A. in Biochemistry, Kansas State University

Publications (22 first or last author out of 43; impact factors as of 2017)

43. Dodds, W.K., S.A. Higgs, M.J. Spangler, J. Guinnip, J.D. Scott, S.C. Hedden, B.D. Frenette, R. Taylor, A.E. Schechner, D.J. Hoeinghaus, M.A. Evans-White. 2018. Spatial heterogeneity and controls of ecosystem metabolism in a Great Plains river network. *Hydrobiologia*, 813, 85-102. Impact Factor 2.16
42. Halvorson, H.M., E. Sperfeld, M.A. Evans-White. 2017. Quantity and quality limit detritivore growth: mechanisms revealed by ecological stoichiometry and co-limitation theory. *Ecology*, 98, 2995-3002 Impact Factor 4.81
41. Halvorson, H.M., D. J. Hall, and M.A. Evans-White. 2017. Long-term stoichiometry and fates highlight animal egestion as nutrient repackaging, not recycling, in aquatic ecosystems. *Functional Ecology*. 31 (9):1802-1812. JOURNAL 5-YR IMPACT FACTOR: 5.286.
40. Evans-White, M.A. and H.H. Halvorson. 2017. Comparing the ecological stoichiometry in brown and green food webs--a review and meta-analysis. *Frontiers in Microbiology*, 8, Article

Number 1184. 2016. Impact Factor 4.165

39. Austin, B. E.E. Scott, L. Massey, Evans-White, M.A., Entrekin, S.A., and B.E. Haggard. 2017. Unconventional natural gas development did not result in detectable changes in water chemistry (within the South Fork Little Red River. *Environmental Monitoring and Assessment*, 189, Issue 5, Article Number 209.
38. Johnson, Wilson H., Douglas, Marlis R., Lewis, Jeffrey A., Stuecker, Tara N.**, Carbonero, Franck, G., Austin, Bradley J., Evans-White, Michelle A., Entrekin, Sally A., and Michael E. Douglas. 2017. Do biofilm communities respond to the chemical signatures of fracking? A test involving streams in North-central Arkansas. 2017. *BMC Microbiology*, 17, Article Number 29. JOURNAL 5-YR IMPACT FACTOR: 2.581
37. Halvorson, H.M., G. White, J.T. Scott, and M.A. Evans-White. 2016. Dietary and taxonomic controls on incorporation of microbial carbon and phosphorus by detritivorous caddisflies. *Oecologia*, 180, 567-579. DOI: 10.1007/s00442-015-3464-6 JOURNAL 5-YR IMPACT FACTOR: 3.355
36. Halvorson, H.M., E.E. Scott, S.A. Entrekin, M.A. Evans-White, and J.T. Scott. 2016. Light and dissolved phosphorus interactively affect microbial metabolism, stoichiometry, and decomposition of leaf litter. *Freshwater Science*, 61, 1006-1019. DOI: 10.1111/fwb.12763 JOURNAL 5-YR IMPACT FACTOR: 2.519
35. Entrekin, S.A., Maloney, K.O., Kapo, K.E., Walters, A.W., Evans-White, M.A., and K.M. Klemow. 2016. Stream vulnerability to widespread and emergent stressors: a focus on unconventional oil and gas. *PLOS One*. DOI:10.1371/journal.pone.0137416 JOURNAL 5-YR IMPACT FACTOR: 3.515
34. Johnson, E, Austin, BJ, Inlander, E, Gallipeau, C, Evans-White, MA, and Entrekin, S. 2015. Stream macroinvertebrate communities across a gradient of natural gas development in the Fayetteville Shale. *Science of the Total Environment*, 530, 323-332. DOI 10.1016/j.scitotenv.2015.05.027 JOURNAL 5-YR IMPACT FACTOR: 4.317
33. Austin, BJ, Hardgrave, N, Inlander, E, Gallipeau, C, Entrekin, S, and Evans-White, MA. 2015. Stream primary producers relate positively to watershed natural gas measures in north-central Arkansas streams. *Science of the Total Environment*, 529, 54-64. DOI: 10.1016/j.scitotenv.2015.05.030 JOURNAL 5-YR IMPACT FACTOR: 4.317
32. Prater, C, Norman, EJ, Evans-White, MA. 2015. Relationships among nutrient enrichment, detritus quality and quantity, and large-bodied shredding insect community structure, 753, *Hydrobiologia*, 219-232. DOI10.1007/s10750-015-2208-2 JOURNAL 5-YR IMPACT FACTOR: 2.236
31. Halvorson, HM, Scott, JT, Sanders, AJ, Evans-White, MA. 2015. A stream insect detritivore violates common assumptions of threshold elemental ratio bioenergetics models. *Freshwater Science*, 34, 508-518. DOI 10.1086/680724 DOI: 10.1111/fwb.12763 JOURNAL 5-YR IMPACT FACTOR: 2.519
30. Motschenbacher, JM, Brye, KR, Anders, MM, Gbur, EE, Slaton, NA, Evans-White, MA. 2015. Daily soil surface CO₂ flux during non-flooded periods in flood-irrigated rice rotations. *Agronomy for Sustainable Development*, 35, 771-782. DOI 10.1007/s13593-014-0278-6 JOURNAL 5-YR IMPACT FACTOR: 5.200
29. Fuller, CL, Evans-White, MA, Entrekin, SA. 2015. Growth and stoichiometry of a common

- aquatic detritivore respond to changes in resource stoichiometry. *Oecologia*, 177, 837-848. DOI 10.1007/s00442-014-3154-9. DOI: 10.1111/fwb.12763 JOURNAL 5-YR IMPACT FACTOR: 3.355
28. Halvorson, HM, Fuller, C, Entrekin, SA, Evans-White, MA. 2015. Dietary influences on production, stoichiometry and decomposition of particulate wastes from shredders. *Freshwater Biology*, 60, 466-478. DOI 10.1111/fwb.12462 DOI: 10.1111/fwb.12763 JOURNAL 5-YR IMPACT FACTOR: 3.826
27. Rogers, CW, Brye, KR, Smartt, AD, Norman, RJ, Gbur, EE, Evans-White, MA. 2014. Cultivar and Previous Crop Effects on Methane Emissions From Drill-Seeded, Delayed-Flood Rice Production on a Silt-Loam Soil (vol 179, pg 28, 2014). *Soil Science*, 179, 567. JOURNAL 5-YR IMPACT FACTOR: 2.201
26. McMullen, RL, Brye, KR, Miller, DM, Mason, RE, Daigh, AL, Menjoulet, BC, Pirani, AL, Gbur, EE, Evans-White, MA. 2014. Long-Term Runoff Water Quality as Affected by Broiler-Litter Application to a Udult in the Ozark Highlands. *Soil Science Society of America Journal*, 78, 2017-2031. DOI: 10.2136/sssaj2014.07.0291 JOURNAL 5-YR IMPACT FACTOR: 2.201
25. McMullen, RL, Brye, KR, Daigh, AL, Miller, DM, Gbur, EE, Pirani, AL, Evans-White, MA, Mason, RE. 2014. Long-Term Leachate Water Quality Trends from a Broiler-Litter-Amended Udult in a Karst Region. *Vadose Zone Journal*, 13. DOI 10.2136/vzj2014.06.0064 JOURNAL 5-YR IMPACT FACTOR: 2.257
24. Rogers, CW, Brye, KR, Smartt, AD, Norman, RJ, Gbur, EE, and Evans-White, MA. 2014. Cultivar and Previous Crop Effects on Methane Emissions From Drill-Seeded, Delayed-Flood Rice Production on a Silt-Loam Soil. *Soil Science*, 179, 28-36. DOI 10.1097/SS.0000000000000039. JOURNAL 5-YR IMPACT FACTOR: 2.201
23. Motschenbacher, JM, Brye, KR, Anders, MM, Gbur, EE, Slaton, NA, Evans-White, MA. 2014. Rice Rotation and Tillage Effects on Water-Stable Soil Macroaggregates and Their Associated Carbon and Nitrogen Contents in a Silt-Loam Soil. *Soil Science*, 178, 596-611. DOI 10.1097/SS.0000000000000028. JOURNAL 5-YR IMPACT FACTOR: 2.201
22. Smartt, A., S. Ganguly, M.A. Evans-White, and B.E. Haggard. 2014. Relationship between land-use and water quality in spring-fed streams of the Ozark National Forest. *Journal of the Arkansas Academy of Science*, 67:139-144. ***Honors Research funded by SURF; This is a peer-reviewed journal but it is not on Web of Science
21. Scott, E.E., Prater, C., Norman, E., Baker, B.C., Evans-White, M., and J. T. Scott. 2013. Leaf-litter stoichiometry is affected by streamwater phosphorus concentrations and litter type. *Freshwater Science*, 32 (3): 753-761. JOURNAL 5-YR IMPACT FACTOR: 2.519
20. Evans-White, M.A., B.E. Haggard, and J.T. Scott. 2013. A review of stream nutrient criteria development in the United States. *Journal of Environmental Quality*, 42, 1002-1014 doi:10.2134/jeq2012.0491 . JOURNAL 5-YR IMPACT FACTOR: 2.2924
19. Drake, W.M., J.T. Scott, M. Evans-White, B. Haggard, A. Sharpley, C.W. Rogers, and E.M. Grantz. 2012. The effect of periphyton stoichiometry and light on biological phosphorus immobilization and release in streams. *Limnology*, 13, 97-106. JOURNAL 5-YR IMPACT FACTOR: 1.073
18. Entrekin, S., M. Evans-White, B. Johnson, and E. Hagenbuch. 2011. Rapid expansion of natural gas development poses a threat to surface waters. *Frontiers in Ecology and the*

- Environment*, 9, 503-511. JOURNAL 5-YR IMPACT FACTOR: 9.993
17. Kulacki, K.J., Chaloner, D.T., Larson, J.H., Costello, D.M., Evans-White, M.A., Docherty, K.M., Bernot, R.J., Brueseke, M.A., Kulpa, C.F., Lamberti, G.A. (2011) Proactive aquatic ecotoxicological assessment of room-temperature ionic liquids. *Current Organic Chemistry*, 15, 1918-1927. JOURNAL 5-YR IMPACT FACTOR: 2.436
 16. Chambers, C.P., M.R. Whiles, E.J. Rosi-Marshall, J.L. Tank, T.V. Royer, N.A. Griffiths, M.A. Evans-White, and A.J. Stojak. 2010. Responses of stream macroinvertebrates to Bt maize leaf detritus. *Ecological Applications*, 20, 1949-1960. JOURNAL 5-YR IMPACT FACTOR: 5.373
 15. Evans-White, M.A., W.K. Dodds, D.H. Huggins, and D.S. Baker. 2009. Thresholds in macroinvertebrate biodiversity and stoichiometry across water quality gradients in Central Plains lotic systems. *Journal of the North American Benthological Society*, 28, 855-868. JOURNAL 5-YR IMPACT FACTOR: 3.904
 14. Evans-White, M.A. and G.A. Lamberti. 2009 Direct and indirect effects of a potential aquatic contaminant on algae-grazer interactions. *Environmental Toxicology and Chemistry*, 28, 418-426. JOURNAL 5-YR IMPACT FACTOR: 3.071
 13. Griffiths, N. A., J. L. Tank, T. V. Royer, E. J. Rosi-Marshall, M. R. Whiles, C. P. Chambers, T. C. Frauendorf, and M.A. Evans-White. 2009. Rapid breakdown of maize detritus in agricultural headwater streams. *Ecological Applications*, 19, 133-142. JOURNAL 5-YR IMPACT FACTOR: 5.373
 12. Bengston, J.R., M.A. Evans-White, and K.B. Gido. 2008. Effects of grazing minnows and crayfish on stream ecosystem structure and function. *Journal of the North American Benthological Society*, 23, 772-782. JOURNAL 5-YR IMPACT FACTOR: 3.904
 11. Rosi-Marshall, E.J., J.L. Tank, M.R. Whiles, T.V. Royer, M.A. Evans-White, C. Chambers, N.A. Griffiths, J. Pokelsek, and M.L. Stephan. 2007. Toxins in transgenic crop byproducts may affect headwater stream ecosystems. *Proceedings of the National Academy of Sciences*, 104, 16204-16208. JOURNAL 5-YR IMPACT FACTOR: 10.285
 10. Evans-White, M.A. and G.A. Lamberti. 2006. Stoichiometry of consumer-driven nutrient recycling across nutrient regimes in streams. *Ecology Letters*, 9, 1186-1197. JOURNAL 5-YR IMPACT FACTOR: 14.938
 9. Evans-White, M.A. and G.A. Lamberti. 2005. Grazer species effects on epilithon nutrient composition. *Freshwater Biology*, 50, 1853-1863. JOURNAL 5-YR IMPACT FACTOR: 3.826
 8. Evans-White, M.A., R.S. Stelzer and G.A. Lamberti. 2005. Regional and taxonomic patterns in benthic macroinvertebrate elemental composition in streams. *Freshwater Biology*, 50, 1786-1799. JOURNAL 5-YR IMPACT FACTOR: 3.826
 7. Bobeldyk, A.M., J.M. Bossenbroek, M.A. Evans-White, D.M. Lodge, and G.A. Lamberti. 2005. Secondary spread of zebra mussels (*Dreissena polymorpha*) in coupled lake-stream systems. *Ecoscience*, 12, 339-346. JOURNAL 5-YR IMPACT FACTOR: 1.255
 6. Frost, P.C., M.A. Evans-White, Z.V. Finkel, T.C. Jensen, and V. Maztek. 2005. Are you what you eat? Physiological constraints on organismal stoichiometry in an elementally imbalanced world. *Oikos*, 109, 18-28. JOURNAL 5-YR IMPACT FACTOR: 3.705
 5. Bernot, R.J., M.A. Brueseke, M.A. Evans-White, and G.A. Lamberti. 2005. Acute and chronic toxicity of imidazolium-based ionic liquids on *Daphnia magna*. *Environmental Toxicology and Chemistry*, 24, 87-92. JOURNAL 5-YR IMPACT FACTOR: 3.071

4. Evans-White, M., W. K. Dodds, and M. R. Whiles (2003) Ecosystem significance of crayfishes and central stonerollers in a tallgrass prairie stream: functional differences among co-occurring omnivores. *Journal of the North American Benthological Society*, 22, 423-441. JOURNAL 5-YR IMPACT FACTOR: 3.904
3. Evans-White, M., W.K. Dodds, L.A. Gray, and K.M. Fritz. 2001. A comparison of the trophic ecology of crayfish *Orconectes nais* (Faxon) and *Orconectes neglectus* (Faxon) and the central stoneroller *Campostoma anomalum* (Rafinesque) in a tallgrass prairie stream. *Hydrobiologia*, 462, 131-144.
2. Dodds, W.K., M. Evans-White, N.M. Gerlanc, L. Gray, D. A. Gudder, M.J. Kemp, A.L. López, P.J. Mulholland, D. Stagliano, E.A. Strauss, J.L. Tank, M.R. Whiles, W.M. Wollheim. 2000. Quantification of the nitrogen cycle in a prairie stream. *Ecosystems*, 3, 574-589.
1. Dodds, W.K., R.E. Hudson, A.C. Eichen, M.A. Evans*, D.A. Gudder, K. Fritz, and L.Gray. 1996. The relationship of floods, drying, and light to primary production and producer biomass in a prairie stream. *Hydrobiologia*, 353, 151-159. *This article will not show up in a literature search under Evans-White because it was published under my maiden name.*

*Maiden name

Published Databases

Vanni, Michael; McIntyre, Peter; Arnott, Diane; Benstead, Jonathan; Berg, David; Brabrand, Åge ; Brosse, Sebastien; Bukaveckas, Paul; Caliman, Adriano; Capps, Krista; Carneiro, Luciana; Chadwick, Nanette; Christian, Alan; Clarke, Andrew; Conroy, Joseph; Cross, Wyatt; Culver, David; Dalton, Christopher; Devine, Jennifer; Domine, Leah; Evans-White, Michelle; Faafeng, Bjorn; Flecker, Alexander; Gido, Keith; Godinot, Claire; Guariento, Rafael; Haertel-Borer, Susanne; Hall, Jr., Robert; Henry, Raoul; Herwig, Brian; Hicks, Brendan; Higgins, Karen; Hood, James ; Hopton, Matthew; Ikeda, Tsutomu ; James, William; Jansen, Henrice; Johnson, Cody; Koch, Benjamin; Lamberti, Gary; Lessard-Pilon, Stephanie; Maerz, John; Mather, Martha; McManamay, Ryan; Milanovich, Joseph; Morgan, Dai; Moslemi, Jennifer; Naddafi, Rahmat; Nilssen, Jens; Pagano, Marc; Pilati, Alberto; Post, David; Roopin, Modi; Rugenski, Amanda; Schaus, Maynard; Shostell, Joseph; Small, Gaston; Solomon, Christopher; Sterrett, Sean; Strand, Øivind; Tarvainen, Marjo; Taylor, Jason; Torres-Gerald, Lisette; Turner, Caroline; Urabe, Jotaro; Uye, Shin-ichi; Ventelä, Anne-Mari; Villéger, Sebastien; Whiles, Matt; Wilhelm, Frank; Wilson, Henry; Xenopoulos, Marguerite; Zimmer, Kyle. In Press. A global database of nitrogen and phosphorus excretion rates of aquatic animals. *Ecology*. JOURNAL 5-YR IMPACT FACTOR: 5.978

Public Non-Peer-Reviewed Articles

Evans-White, M.A., B.E. Haggard, and J.T. Scott. 2013. A review of stream nutrient criteria development in the United States. *CSA News*, 58 (8), 16. doi:10.2134/csa2013-58-8-5

Book Chapters

Jonathan P. Benstead, Michelle A. Evans-White, Catherine A. Gibson, and James M. Hood. *In Press*. Elemental content of stream biota. Chapter 36 in Stream Methods. Editors G. A. Lamberti and R. Hauer (eds). Academic Press

Grants Awarded

Summary Statistics:

Total Grant Amount: \$3,642,968;

National Science Foundation Amount: \$1,454,075

2017 Evans-White, M.A., B. Haggard, and M. Matlock. *National Science Foundation*. REU Site: Assessment and Sustainable Management of Ecosystems Services at the Nexus of Food, Energy, and Water. \$352,550 04/01/17 - 03/31/20.

2016 Evans-White, M.A. *The Nature Conservancy*. Assessing Kings River Restoration. \$21,599. 12/15-12/16.

Evans-White, M.A., Sayre, K., and J.T. Scott. *United States Geological Survey*. 104b student award to Sayre. Does macrograzer activity drive seasonal variations in algal biomass in Ozark streams. \$5000. 03/16-02/17.

Entrekin, SE, N. Clay, and M. Evans-White. *United States Geological Survey*. Biological and ecological consequences of sub-lethal ion concentrations on microbial macroinvertebrate detritivores. \$15,000. 03/16-02/17.

2015 Alverson, A., Henry, R., Pinto, I., McNabb, D., Evans-White, MA. Arkansas Bioscience Institute. Acquisition of a FlowCAM particle counter for rapid cell enumeration and measurement. \$61,664. 07/15-05/16.

Evans-White, Fuell, A., Magoulick, D., and D. Leasure. *United States Geological Survey*. 104b student award to Fuell. Creating an annual hydroecological dataset in forested Ozark streams. \$5000. 02/15-01/16.

Evans-White, M.A., Sayre, K., and J.T. Scott. *United States Geological Survey*. 104b student award to Sayre. Relationship between nutrients, macrograzer abundance (Central Stonerollers and Crayfish), and algae in Ozark Highland Streams. \$5000. 02/15-01/16.

Evans-White, M.A. and Halvorson, H. *National Science Foundation*. DDIG: Assessing controls, fates, & significance of animal recycled particulate organic matter. DEB1501703. \$19,045. 06/15-05/16

Halvorson, H.M., Moore, R.S., and Evans-White, M.A. *Society for Freshwater Science*. Taxonomic variation in excretion and egestion by diverse stream macroinvertebrates. \$1,000. 06/15-05/16.

2014 Evans-White (PI) Scott and Matlock(Co-PIs). *National Science Foundation*. REU site: Assessment

and Sustainable Management of Ecosystem Services. \$314,883 (Evans-White \$314,883). 5/14 to 5/17.

Entrekin and Evans-White (Co-I). *Arkansas Science and Technology Association*. Assessing vulnerability of headwaters streams to anthropogenic impacts in the Fayetteville Shale, Arkansas. \$50,000 (Evans-White \$25,000). 01/15-02/16

- 2013 Evans-White, M., C. Sagers, M, E. Losos. National Science Foundation. CNIC: Planning visits to develop international collaborative research and education initiatives in biodiversity and sustainability in the tropics. \$67,805. Active period 05/15/13 to 04/30/2015.
- Evans-White, M. and B. Haggard. Continued monitoring of the Gulf Mountain Wildlife Management Area. Arkansas Game and Fish Commission. \$121,510 (Direct 89,842; Cost Share \$31,668). Active period 01/01/2013-07/31/2015.
- 2012 Entrekin (PI) G. Adams, R. Adams, M. Evans-White, B. Haggard, E. Inlander, L. Lewis, C. Davidson, S. Filipek, J. Funkhouser, and C. Gallipeau (Co-PIs) Arkansas Game and Fish Commission. Continuation: Year 4 of assessing physical, chemical, and biological effects before, after, and during gas well construction in the main stem and tributaries of South Fork Little Red River on Gulf Mountain Wildlife Management Area. \$387,934 (Direct: \$249,136/Matching \$138,798); Active period 11/12 to 12/12.
- Scott (PI) Haggard and Evans-White CoPis. Texas Commission of Environmental Quality. Database analysis to support nutrient criteria development. \$428,928 (Evans-White \$30,006). Active period 02/01/12 to 08/31/13.
- 2011 Entrekin (PI) Evans-White et al Co-PI's. Arkansas Game and Fish Commission. Assessing physical, chemical, and biological effects before, after, and during gas well construction in headwater streams. \$249,964 (Evans-White \$56,553). Active period 11/01/11 to 10/31/12
- Haggard (PI), Evans-White and Scott Co-PI's. Texas Commission on Environmental Quality. Database analysis to support nutrient criteria development. \$196,839 (Evans-White \$36,701) 03/11 to 08/11.
- Matlock (PI) Evans-White and Davis Co-PIs. NSF REU SITE 0755331, Assessment and Sustainable Management of Ecosystem Services. \$256,965. Active period 5/01/011 to 5/01/14
- 2010 Evans-White (PI) Scott and Entrekin Co-PI's. National Science Foundation. Resource ratio effects on stream detritus and detritivore community structure. \$386,235 (Evans-White \$206,251). 09/01/10 to 08/31/13
- Haggard (PI) Evans-White et al. Co-PI. Arkansas Game and Fish Commission. Monitoring water resources of the Gulf Mountain Wildlife Management Area to evaluate possible effects of natural gas development activities. \$100,000 (Evans-White \$5,650). 11/01/10 to 10/31/11

- Entrekin (PI) Evans-White et al. Co-PI. Arkansas Game and Fish Commission. Assessing physical, chemical, and biological effects before, after, and during gas well construction in headwater streams. \$231,847 (Evans-White \$42,518). Active period 11/01/10 to 10/31/12
- 2009 Entrekin (PI) Evans-White et al. Co-PI. Fish and Wildlife Service. Assessing biological effects of natural gas drilling on headwater streams in the Fayetteville Shale region. \$248,908. Active period 7/01/09 to 6/30/10.
- Evans-White (PI). Arkansas Water Resources Center 104b. Land-use effects on resistance and resilience of stream metabolism to flood events in Ozark Highland headwater streams; Active period 2/01/09 to 2/01/10, \$40,000.
- Evans-White (subaward). Upper White River Basin Foundation. Long term monitoring of water quality and ecological condition of the upper White River Basin in Arkansas and Missouri. 10/28/08 to 10/28/09, \$18,700.
- 2005 “The role of allochthonous carbon in Midwestern agricultural stream food webs” co-authored with Jennifer Tank, Matt Whiles, Emma Rosi-Marshall, and Todd Royer as a supplement to a previously funded grant to co-authors, National Science Foundation, \$61,000. This grant funded my post-doctoral salary and project.

Honors and Awards

- 2018 Keck Professorship and Endowed Chair, University of Arkansas
- 2016 Carl Storm Underrepresented Minority Fellowship, Gordon Conference "Unifying Ecology Across Scales" July 2016. Invited to speak at the Conference.
- 2015 Stream Resiliency Coordination Network: Working Group 3 Time Series Analysis, Invited participant
- 2011 Early Career Travel Award, ASLO
- 2009 Robert C. and Sandra Connor Endowed Faculty Fellowship, February 2009
- 2008 Invited to Attend Women Evolving Biological Sciences Seminar
- 2005 Notre Dame’s Eli J. and Helen Shaheen Graduate Award in Science
- 2005 Notre Dame Biology Graduate Research Award
- 2004 Invited to attend Woodstoich Workshop, Finse, Norway
****Frost et al. 2005 is a collaborative manuscript resulting from workshop.*
- 2004 North American Benthological Society President's Award
- 2001 Award for Best Oral Presentation in Basic Research at 2001 Annual Meeting, North American Benthological Society

Professional Presentations (since appointment at UA)

81. Evans-White, M.A. Invited Seminar. Can nutrients be contaminants in detrital foodwebs. 10-5-18. Baylor, Waco TX.

80. Dodd, A., E. Pollock, D. Magoulick, and M. Evans-White. Flow regime influences on carbon dioxide and methane fluxes and sources in forested Arkansas streams. Society for Freshwater Science, May 20-24, 2018, Detroit Michigan.
79. Entrekin, S.A., B. Howard-Parker, N. Clay, and M. Evans-White. Sub-lethal salt concentrations alter detritivore performance. Society for Freshwater Science, May 20-24, 2018, Detroit Michigan.
78. Evans-White, M., A. Smartt, S. Entrekin, H. Halvorson, J.T. Scott. Leaf disc respiration and alkaline phosphatase activity across a dissolved inorganic phosphorus gradient in the laboratory. Society for Freshwater Science, May 20-24, 2018, Detroit Michigan.
77. Howard-Parker, B., B. White, and M. Evans-White. The role of phosphorus and light in aquatic microbial priming. Society for Freshwater Science, May 20-24, 2018, Detroit Michigan.
76. Williams, T., B. Howard-Parker, S. Entrekin, and M. Evans-White. Comparing sub-lethal effects of different sodium salts on bacterial abundance in aquatic environments. Society for Freshwater Science, May 20-24, 2018, Detroit Michigan.
75. Evans-White, M.A., C.R. Bauer, S.A. Entrekin. When nitrogen and phosphorus become contaminants in freshwater brown food webs: a case for detrital endpoints in the United States regulatory framework. 8th Conference on Plant Litter Processing in Freshwaters, July 16-20, 2017, Bilbao Spain.
74. Entrekin, S.A., C. Bauer, N. Clay, B.B. Howard Parker, and M.A. Evans-White. Micro- and macro-detritivore subsidy-stress responses to rising common salts: are detrital endpoints needed? 8th Conference on Plant Litter Processing in Freshwaters, July 16-20, 2017, Bilbao Spain
73. Evans-White, M.A., C.R. Bauer, S.A. Entrekin. When nitrogen and phosphorus become contaminants in freshwater brown food webs: a case for detrital endpoints. Society for Freshwater Science Annual Meeting, June 4-8, 2017, Raleigh, NC.
72. Hood, J., T. Barnum, I. Creed, S. Devlin, M. Evans-White, T. Harms, J. Jones, C. Ruffing, A. Ruhi, M. Scheuerell, A. Smits, and T. Williamson. Resilience of aquatic food chains to press and pulse perturbations. Society for Freshwater Science Annual Meeting, June 4-8, 2017, Raleigh, NC.
71. Howard-Parker, B., B. White, and M. Evans-White. Effects of phosphorus and light on recalcitrant organic matter degradation in lotic systems. Society for Freshwater Science Annual Meeting, June 4-8, 2017, Raleigh, NC.
70. Entrekin, S.A., C. Bauer, N. Clay, B.B. Howard Parker, and M.A. Evans-White. Micro- and macro-detritivore subsidy-stress responses to rising common salts: are detrital endpoints needed? Society for Freshwater Science Annual Meeting, June 4-8, 2017, Raleigh, NC.
69. Sayre, K and M Evans-White. Influence of stonerollers on algae along a phosphorus gradient. Society for Freshwater Science Annual Meeting, June 4-8, 2017, Raleigh, NC.
68. Halvorson, H.H, and M.A. Evans-White. Nitrogen and phosphorus limitation of benthic invertebrates in green versus brown food webs - a meta-analysis. Society for Freshwater Science Annual Meeting, June 4-8, 2017, Raleigh, NC.

67. Baker, L., Evans-White, M.A., and S. A. Entrekin. Landscape vulnerability indicates small stream basins at risk of biological degradation in the Fayetteville Shale, AR. Society for Freshwater Science Annual Meeting, June 4-8, 2017, Raleigh, NC.
66. Dodd, A.K, D.R. Leasure, D.D. Magoulick, and M.A. Evans-White. Ecosystem metabolism in two northern Arkansas flow regimes: exploring flow-ecology relationships in the Ozarks. Society for Freshwater Science Annual Meeting, June 4-8, 2017, Raleigh, NC.
65. Evans-White, M.A. *Invited Seminar*. Ecological stoichiometry of leaf litter decomposition in streams. Gordon Conference "Unifying Ecology Across Scales". July 24-29, 2016. Biddeford, ME.
64. Dodd, A.K., D.R. Leasure, D.D. Magoulick, and M.A. Evans-White. Characterizing two natural flow regimes of the Ozark Highlands and Boston Mountains, Arkansas, USA. Society for Freshwater Science Annual Meeting, May 22-27. Sacramento CA.
63. Halvorson, H.M., C.L. Fuller, S.A. Entrekin, J.T. Scott, and M.A. Evans-White. Stoichiometry of homeostasis and growth across aquatic invertebrate detritivores. Society for Freshwater Science Annual Meeting, May 22-27. Sacramento CA.
62. Austin, B.J., E. Scott, L. Massey, M.A. Evans-White, S. Entrekin, and B.E. Haggard. Monitoring Water Resources of the Gulf Mountain Wildlife Management Area to Evaluate Possible Effects of Natural Gas Development. National Monitoring Conference in Chicago, IL. July 13-17, 2015.
61. Halvorson, H.M., S.A. Entrekin, M.A. Evans-White, C.L. Fuller, J.T. Scott, and A. Smartt. Bottom-up effects of leaf type and nutrients on detritivore functional roles in stream ecosystems. Southern Forest Insect Work Conference in Fayetteville, AR; July 23, 2015
60. Halvorson, H.M., C.L. Fuller, S.A. Entrekin, J.T. Scott, and M.A. Evans-White. Effects of resource stoichiometry and organism ontogeny on body stoichiometry on seven detritivorous macroinvertebrates. Conference on Biological Stoichiometry in Peterborough, ON, Canada; June 24, 2015
59. Halvorson, H.M., G. White, J.T. Scott, and M.A. Evans-White. Dietary and taxonomic variation in utilization of microbial carbon and phosphorus by three detritivorous caddisflies. Society for Freshwater Science Meeting in Milwaukee, WI; May 21, 2015
58. Hall, D.J., Allyn Dodd, and Michelle A. Evans White. Influence of Flow Regime on Algal Growth and Physicochemical Attributes in Forested Ozark Streams. Arkansas Water Resources Center Annual Watershed and Research Conference, Fayetteville, AR. July 22, 2015
57. Dodd, A., D. Leasure, D.D. Magoulick, and M.A. Evans-White. Stream metabolism and physicochemistry in two dominant North Arkansas flow regimes. GIS Day, Center for Advanced Spatial Technology, University of Arkansas, Fayetteville, AR. November 18, 2015
56. Evans-White, M.A., S.A. Entrekin, J.T. Scott, H. Halvorson, C. Fuller, A. Smartt . Litter type mediates shredding insect growth responses to litter phosphorus enrichment. Joint Aquatic Sciences Meeting in Portland, OR; May 22, 2014
55. Evans-White, M.A. *Invited seminar*. Water quality, biodiversity and resource ratio theory in streams. February 2014. Miami University of Ohio.

54. Evans-White, M.A., S.A. Entrekin, J.T. Scott, H. Halvorson, C. Fuller, A. Smartt . Litter type mediates shredding insect growth responses to phosphorus enrichment. Illinois River Watershed Symposium. West Siloam Springs, AR. September 25, 2014.
53. Smartt, A., J.T. Scott, and M.A. Evans-White. Patterns in stream detrital microbial P-limitation over time with litter type, stoichiometry, and streamwater phosphorus enrichment. Joint Aquatic Sciences Meeting in Portland, OR; May 22, 2014
52. Halvorson, H., J.T. Scott, A. Sanders, and M. Evans-White, Shredding light on threshold elemental ratios: New insights from stream insect detritivores regarding elemental limitation of animal growth, Joint Aquatic Sciences Meeting in Portland, OR; May 22, 2014
51. Austin, B.J., A. Bucci, B. Haggard, S. Entrekin, and M.A. Evans-White. Influence of natural gas activity and logging on stream sediments, nutrients and primary production in the South Fork Little Red River in Arkansas. Joint Aquatic Sciences Meeting in Portland, OR; May 22, 2014
50. Smartt, A., J.T. Scott, and M.A. Evans-White. Patterns in stream detrital microbial P-limitation over time with litter type, stoichiometry, and streamwater phosphorus enrichment. Beaver Watershed Alliance Conference in Huntsville, AR; September 2014
49. Hamby, S.J., M.A. Evans-White, J. T. Scott, and S.A. Entrekin. Effects of light and phosphorus concentrations on algal growth on oak litter detritus. Arkansas Water Resources Annual Meeting. Fayetteville, AR. July 2014. (REU student)
48. Halvorson, H., A. Smartt, J.T. Scott, and M. Evans-White, How much is too much? Litter type mediates growth responses of Ozark stream detritivores to phosphorus enrichment, Beaver Watershed Alliance Conference in Huntsville, AR; September 27, 2013.
47. Austin, B.J., S. Entrekin, M. Evans-White, G. Adams, and R. Adams. Stream ecosystem response to natural gas extraction. Arkansas Water Resources Annual Meeting. Fayetteville, AR. July 2014. *Invited*
46. Evans-White, M.A., H. Halvorson, A. Sanders, C. Prater, SA Entrekin, and J.T. Scott. Detrital stoichiometry effects on shredder element-specific assimilation efficiencies and consequences for threshold element ratios. Society for Freshwater Science Conference. May 2013. Jacksonville, FL.
45. Austin, B.J., J. Ponzio, E.D. Pollock, M.A. Evans-White, and B. Haggard. May 2013. The effects of low level natural gas emissions to an Ozark headwater stream (Poster). The Arkansas Water Resources Conference. Fayetteville, Arkansas.
44. Smartt, A., S.G. Ganguly, M.A. Evans-White, and B. Haggard. May 2013. Relationship between land-use and water quality in spring-fed Streams of the Ozark National Forest (Poster). The Arkansas Water Resources Conference. Fayetteville, Arkansas.
43. Smartt, A., S.G. Ganguly, M.A. Evans-White, and B. Haggard. April 2013. Relationship between land-use and water quality in spring-fed Streams of the Ozark National Forest (Poster). Arkansas Academy of Science Annual Meeting.
42. Austin, B.J., C.S. Browder, S. Entrekin, M.A. Evans-White. September 2013. Assessing Best Management Practices for Reducing Impacts of Natural Gas Development Using Stream Algal Biomass and Metabolism. American Fisheries Society. Little Rock, Arkansas.
41. Austin, B.J., C.S. Browder, S. Entrekin, M.A. Evans-White. May 2013. Use of algal biomass

- and metabolism to determine effectiveness of best management practices in reducing impacts of natural gas production. Annual meeting of the Society of Freshwater Science. Jacksonville, Florida.
40. Halvorson, H.M. and M.A. Evans-White. Diet-dependent excretion and egestion of a stream detritivore. Invited presentation. Society for Freshwater Science Conference. May 2013. Jacksonville, FL.
 39. Halvorson, H.M. and M.A. Evans-White. Detrital nutrient enrichment alters detrital processing by a stream detritivore. August 2013. Ecological Society of America. St. Paul MN.
 38. Halvorson, H.M. and M.A. Evans-White. Growth and stoichiometry of a stream insect detritivore subject to dietary nutrient enrichment. September 2013. American Fisheries Society Conference. Little Rock, AR.
 37. Scott, E. E., M. A. Evans-White, and J. T. Scott. Phosphorus enrichment and light availability differentially affect leaf litter conditioning. Association for the Science of Limnology and Oceanography, Feb. 18, 2013.
 36. Smartt, A., J.T. Scott, M.A. Evans-White. Effects of phosphorus availability and litter type on the microbial activity and elemental stoichiometry of detrital resources. May 2013. Society for Freshwater Science Annual Meeting. Jacksonville, FL.
 35. Smartt, A., J.T. Scott, M.A. Evans-White. Effects of phosphorus availability and litter type on the microbial activity and elemental stoichiometry of detrital resources. Invited Presentation. September 2013. American Fisheries Society. Little Rock, Arkansas.
 34. Evans-White, M.A., C.M. Prater, E.E. Scott, E.J. Norman, J.T. Scott, S.A. Entrekin, C. Fuller, H. Halvorson. Effects of phosphorus enrichment on detritus and detritivores in Ozark streams. Ecological Society of America Annual Meeting. August 2012, Portland, OR.
 33. Scott, E.E., B.C. Baker, C.M. Prater, M.A. Evans-White, and J.T. Scott. Phosphorus availability and leaf type affect litter stoichiometry and decomposition. Ecological Society of America Annual Meeting. August 2012, Portland, OR.
 32. Entrekin, S., G. Adams, R. Adams, B. Austin, M. Evans-White, C. Gallipeau, E. Hagenbach, B. Haggard, E. Inlander, N. Jensen, B. Johnson, J. Kelso, L. Lewis, L. Massey; L. Stearman. Rapid gas development in the Fayetteville shale basin, Arkansas. Ecological Society of America Annual Meeting. August 2012, Portland, OR.
 31. Austin, B.J., E.N. Jensen, K. Brick, M.A. Evans-White, S. Entrekin, E. Inlander, and C. Gallipeau. Impact of natural gas wells on periphyton and metabolism in streams in north central Arkansas. Ecological Society of America Annual Meeting. August 2012, Portland, OR.
 30. Fuller, C., S. Entrekin, and M. Evans-White. Increased chironomid growth with increasing phosphorus. Ecological Society of America Annual Meeting. August 2012, Portland, OR.
 29. Evans-White, M.A., C.M. Prater, E.E. Scott, E.J. Norman, J.T. Scott, S.A. Entrekin, C. Fuller, H. Halvorson. Threshold elemental ratios: a mechanistic explanation for threshold declines in stream detritivorous insect species with nutrient enrichment? Society of Freshwater Science (SFS). May 2012, Louisville, KY.
 28. Entrekin, S., G. Adams, R. Adams, B. Austin, M. Evans-White, C. Gallipeau, E. Hagenbach, B. Haggard, E. Inlander, N. Jensen, B. Johnson, J. Kelso, L. Lewis, L. Massey; L. Stearman. Rapid gas development in the Fayetteville shale basin, Arkansas. Society of Freshwater Science (SFS). May 2012, Louisville, KY.
 27. Haggard B., L. Massey, B. Austin, M. Evans-White, and S. Entrekin. Establishing chemical

- baselines in streams draining the Fayetteville shale areas. Society of Freshwater Science (SFS). May 2012, Louisville, KY. (poster)
26. Smartt, A., S. Ganguly, M.A. Evans-White, B.E. Haggard. Relationship between land-use and water quality in spring-fed streams of the Ozark National Forest. Society for Freshwater Science (SFS) Meeting, May 2012, Louisville, KY.
 25. Smartt, A., S. Ganguly, M.A. Evans-White, B.E. Haggard. Relationship between land-use, water quality, and macroinvertebrate densities in spring-fed streams of the Ozark National Forest. Fulbright Colloquium Honors Poster Session, March 2012, Fayetteville, Arkansas. (poster)
 24. Austin, B.J., E.N. Jensen, K. Brick, M.A. Evans-White, S. Entrekin, E. Inlander, and C. Gallipeau. Impact of natural gas wells on periphyton and metabolism in streams in north central Arkansas. Society of Freshwater Science (SFS). May 2012, Louisville, KY. Special Session: Exploring the effects of shale plays on freshwater ecosystems. Invited.
 23. Rose, K.H. and M. Evans-White. The interacting effects of sediment and crayfish grazing on algal biomass. Society of Freshwater Science (SFS). May 2012, Louisville, KY. Special Session: Recent advances in crayfish biology, ecology, and conservation. Invited.
 22. Fuller, C., S. Entrekin, and M. Evans-White. Increased chironomid growth with increasing phosphorus. Society of Freshwater Science (SFS). May 2012, Louisville, KY. (poster)
 21. Austin, B.J., E.N. Jensen, K. Brick, M.A. Evans-White, and S. Entrekin. Impact of natural gas wells on periphyton and metabolism in headwater streams in north central Arkansas. American Fisheries Society (AFS) -Arkansas state chapter meeting. Feb 2012, Conway, AR. Invited.
 20. Austin, B.J., E.N. Jensen, K. Brick, M.A. Evans-White, S. Entrekin, E. Inlander, and C. Gallipeau. Impact of natural gas wells on periphyton and metabolism in streams in north central Arkansas. Fayetteville Shale Symposium. March 2012, Ft. Smith, AR. Invited.
 19. Evans-White, M.A., P.M. Bumpers, J. Kanopsis, and Z. Eldridge. Landuse effects on benthic algae and metabolism recovery after flood events in Ozark streams. Advancing the Science of Lakes and Oceans Aquatic Sciences (ASLO) Meeting, Feb. 2011, San Juan Puerto Rico.
 18. Austin, B.J., A. Jackson, K. Brick, M.A. Evans-White, S. Entrekin. Potential impacts of natural gas wells on metabolism and periphyton in headwater streams in North Central Arkansas. Advancing the Science of Limnology and Oceanography (ASLO). February 2011, San Juan, Puerto Rico. – Oral presentation
 17. Prater, C., Evans-White, M.A., and Norman, E.J. Impacts of eutrophication on shredding insect communities in Ozark highland streams. Advancing the Science of Lakes and Oceans (ASLO) meeting February 2011. San Jose, Puerto Rico.
 16. Norman, E.J., Prater, C., and Evans-White, M.A., Effects of nutrient enrichment on detrital quality and quantity. Advancing the Science of Lakes and Oceans (ASLO) meeting February 2011. San Jose, Puerto Rico.
 15. Entrekin, S., Ginny Adams, Reid Adams, Michelle Evans-White, Brent Johnson, Brad Austin, Elisabeth Hagenbuch, Nicki Jensen, Loren Stearman. Potential threats of shale gas development to surface waters. North American Benthological Society Annual Meeting, May 2011, Providence Road Island USA.
 14. Scott E.E., Bryant C. Baker, Clay Prater, Michelle Evans-White, and J. Thad Scott. The effects of phosphorus availability on leaf litter stoichiometry and decomposition in Ozark streams. October 2011. Great Plains Limnology Society Annual Conference. Lake Texoma Biological Station.

13. Rose, K. H. and M. Evans-White. The Interacting Effects of Crayfish Grazing and Sedimentation on Algal Biomass. Arkansas Water Resources Center Meeting. July 2011. Fayetteville, AR.
12. Austin, B.J., A. Jackson, K. Brick, M.A. Evans-White, S. Entrekin. Potential impacts of natural gas wells on metabolism and periphyton in headwater streams in North Central Arkansas. American Fisheries Society, state meeting. February 2011, Little Rock, AR. – Oral presentation
11. Austin, B.J., M.A. Evans-White, S. Entrekin, and K. Brick. Impacts of natural gas recovery and land use on primary production and community respiration in North Central Arkansas streams. Annual Watershed and Research Conference (AWRC). July 2011. Fayetteville, AR. – Poster presentation
10. Jackson, A. (REU), M.A. Evans-White, and S. Entrekin. Effects of natural gas drilling on stream quality and periphyton in the Fayetteville Shale. Joint Meeting of the Arkansas and Oklahoma American Fisheries Society. February 2010. Fort Smith Arkansas.
9. Bumpers, P. (undergraduate) and M. Evans-White. Ecosystem metabolism responses to flood events in Ozark Highlands forested, urban, and agricultural streams. Joint Annual Meeting of Advancing the Science of Lakes and Oceans (ASLO) and North American Benthological Society (NABS) Meeting. June 2010. Santa Fe, New Mexico.
8. Austin, B.J., A Jackson, M.A. Evans-White, and S. Entrekin. Periphyton across a gradient of natural gas well density in headwater streams of north central Arkansas. Joint Annual Meeting of Advancing the Science of Lakes and Oceans (ASLO) and North American Benthological Society (NABS) Meeting. June 2010. Santa Fe, New Mexico.
7. Prater, C. and M.A. Evans-White. Nutrient content of detritus and macroinvertebrates across a phosphorus gradient in Ozark Highland headwater streams. Joint Annual Meeting of Advancing the Science of Lakes and Oceans (ASLO) and North American Benthological Society (NABS) Meeting. June 2010. Santa Fe, New Mexico.
6. Jensen, N. (undergraduate), Michelle Evans-White, and Brian Haggard Benthic macroinvertebrate food web patterns in a headwater stream prior to a riparian zone restoration. Arkansas Water Resource Center Meeting, April 14-15 2009, Fayetteville, AR.
5. Evans-White, M.A., W.K. Dodds, D.J. Hoeinghaus, K.B. Gido, A.P.F. Hoeinghaus. Nutrient limitation of benthic primary production and respiration in Great Plains lotic ecosystems. North American Benthological Society Meeting, May 17-22 2009, Grand Rapids, MI.
4. Prater, M.C. (graduate student) and M.A. Evans-White. Shredding macroinvertebrate species responses to total phosphorus gradients in streams. North American Benthological Society Meeting, May 17-22 2009, Grand Rapids, MI.
3. Entrekin, S., M. Evans-White, G. Adams, R. Adams, and L. Lewis. Effects of natural gas drilling on headwater streams in Arkansas. North American Benthological Society Meeting, May 17-22 2009, Grand Rapids, MI.
2. Hoeinghaus, D.J., K.B. Gido, M.A. Evans-White, and W.K. Dodds. Ecosystem effects of fish diversity and food web structure interact with habitat heterogeneity in experimental streams. August 2008. American Fisheries Society Annual Meeting, Ontario, Canada

1. Evans-White, M.A., W.K. Dodds, D.G. Huggins, and D.S. Baker. Thresholds in macroinvertebrate biodiversity across water quality gradients in central plains lotic ecosystems. June 2008. North American Benthological Society, Salt Lake City, Utah.

Teaching Experience (since appointment at UA)

Courses Taught:

- BIOL3863, General Ecology, Fall Semesters 2008-2011, 2013, 2016, 2017
 BIOL3861L, General Ecology Laboratory, Fall Semesters 2008-2011, 2013, 2016, 2017
 BIOL4933, Biogeochemistry & Global Change, Spring 2009, 2011, 2013, 2015, Fall 2018
 BIOL485-585V, Field Ecology, Even Years, Spring Semester
 BIOL 5914, Stream Ecology Lecture and Laboratory, University of Arkansas, Fall 2012, 2014
 BIOL 480V/580V, Introduction to R, Fall 2015
 BIOL 5001, Seminar in Biology: Ecological Stoichiometry, Fall 2015

Mentored Student Honors and Awards

- 2016 Halvor Halvorson, Delbert Swartz Endowed Graduate Fellowship, University of Arkansas
 Department of Biological Sciences
 Halvor Halvorson, Society for Freshwater Science Travel Award
 2015 Halvor Halvorson, National Science Foundation Dissertation Improvement Grant
 2013 Brad Austin, Neil Compton Scholarship in Natural Sciences, University of Arkansas
 Department of Biological Sciences.
 2012 Ayla Smartt, Student Undergraduate Research Award, State of Arkansas

Graduate students:

Thesis or Dissertation Director:

1. William Stiritz, M.S., Biology, 2018-present
2. Brianna Hillebrand, Ph.D., Biology, 2018-present
3. Samuel Dias, Ph.D., Biology, 2018-present
4. Tyler Littlefield, M.S., Biology, 2016-present
5. Brooke Howard-Parker, Ph.D., Biology, 2014-present
6. Kayla Sayre, M.S., Biology, 2014-present
7. Allyn Dodd, Ph.D., Biology, 2014-2018
8. Halvor Halvorson, Ph.D., Biology, 2011- 2016
9. Ayla Smartt, MS, Biology, 2012-2014
10. Brad Austin, Ph.D., Biology, 2009-2014
11. Katie Rose, M.S., Biology, 2009-2013
12. Clay Prater, M.S., Biology, 2008-2011

Thesis or Dissertation Committee Member:

1. Kayleigh Smith, M.S., Biology, 2018-present
2. Jason Burgess-Conforti, PhD, Environmental Dynamics, 2016-present
3. Chelsea Kross, PhD., Biology, 2014-present
4. Kelly Halloran, PhD., Biology, 2014-present
5. Lindsey Bruckerhoff, Biology, 2013-present

6. Robert Fournier, Ph.D., Biology, 2013-present
7. Jacquelyn Guzy, Ph.D., Biology, 2013-present
8. Laura Berryman, Ph.D. Biology, 2012-present
9. Casey Rector, M.S., Crop, Soil, and Environmental Sciences, 2016-18
10. Andres Bacon, Ph.D., Biology, 2008-present
11. Lindsey Bruckerhoff, M.S. Biology, 2014-16
12. Ashley Rodman, M.S. Crop, Soil, and Environmental Science, 2014-16
13. Lucy Baker, M.S., Biology, University of Central Arkansas, 2014-16
14. Dustin Lynch, Ph.D., Biology, 2012-2016
15. Alice Jaernigan, Ph.D., Chem Eng., 2012-14
16. Kate Walker, M.S. Biology, 2012-14
17. Jill Motschenbacher, Ph.D., Crop, Soil, and Environmental Science (CSES), 2009-2013
18. Richard McMullen, Ph.D., CSES, 2009-14
19. Chris Rogers, Ph.D., CSES, 2009-14
20. Raymond Keveren, M.S., Geosciences, 2008-10
21. Bodie Drake, M.S., Crop, Soil, and Environmental Science, 2008-10
22. Matthew Nolan, M.S., Biology, 2010-13
23. Matthew Holden, M.S., Biology, 2010-13
24. Nicki Jensen, M.S., UCA, Biology, 2009-11
25. Julie Kelso, M.S., UCA, Biology, 2010-12
26. Chris Fuller, UCA, Biology, 2010-13

Undergraduate Students

Honor Thesis Mentor

- | | |
|---|---|
| 1. Mckinley Case, Biology, 2009- Magna | 2. Autumn Allison, Biology, 2009-Cum |
| 3. Erin Scarborough, Biology, 2009-Magna | 4. Joe Kanopsic, Biology, 2010-Magna |
| 5. Stephanie Grise, Biology, 2010-Magna | 6. Peter Wolfenberger, Chem&Biochem, 2010-Magna |
| 7. Justin Rowden, Biology, 2010-Magna | 8. Eric Norman, Biology, 2010-Magna |
| 9. Ayla Smartt, Biology, 2012-Msgna | 10. Cymber Browder, Biology, 2013, Magna |
| 11. Grant White, Biology, 2014, Magna | 12. Harrison Smith, Biology, 2016, Magna |
| 13. Rachel Moore, Biology, 2016-Cum | 14. Hannah Verkamp, Biology, 2016-Summa |
| 15. Hannah Brantley, Biology, 2018-ETD May 2019 | 16. Jordan Pilkington, Biology, 2017-ETD May 2020 |
| 17. Andrea Poland, Biology, 2018-ETD May 2020 | |

Honor Thesis Committee

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|---|------------------------------------|
| 1. Jessica Minard, Biology, 2009 | 2. Rebecca Hotz, Biology, 2010 |
| 3. Jenneca McCarter, Biology, 2009 | 4. Navdaep Dhatt, Biology, 2012 |
| 5. Erin Grantz, Biology, 2009 | 6. Bryant Baker, CSES, 2011 |
| 7. Chris Morrissey, Biology, Deceased | 8. Kulwinder Braich, Biology, 2012 |
| 9. Suzanne Area, Biology, defended 2010 | 10. Vamsi Kaliki, Biology, 2009 |
| 11. Kaitlyn Smith Werner, Biology 2014 | 12. Zac Lane, Biology, 2014 |

Summer NSF REU Mentor

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|--|--------------------------------------|
| 1. Thomas Williams, Univ. of Ark. 2017 | 2. Stephanie Batog, Villanova, 2017 |
| 3. Anastasia Mogelevski, Gettysburg College 2016 | 4. Brendon White, Univ. of Ark. 2016 |
| 5. Hannah Verkamp, Univ. of Ark. 2015 | 6. Isamar Cortes, Montclair, 2015 |
| 7. Amber Roberts, Westville HS, 2015 | 8. Delaney Hall, Univ. of Ark, 2015 |
| 9. Natalia Hardgrave, UCA, 2014 | 10. Scott Hamby, Tenn. Tech, 2014 |

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|---|---|
| 11. Jacob Evans, Ark. Tech, 2013 | 12. Andrew Sanders, Univ. of Ark, 2013 |
| 13. Katie Stewart, Northeastern State Univ., 2012 | 13. Dakota Scrivener, Univ. of Ark, 2012 |
| 14. Jordan Patterson, Univ. of Ark., 2010 | 15. Zachary Eldridge, Univ. of Ark., 2010 |
| 16. Eric Norman, Univ. of Ark., 2010 | 17. Kara Brick, Univ. of Ark, 2010 |
| 18. Aaron Jackson, Henderson State, 2009 | 19. Summer Wilkie, Univ. of Ark. 2008 |

Scholarly Service

International/National

- 2017-present University of Arkansas Representative, American Public Land-Grant University Board of Natural Resources. The BNR's primary responsibility is to advance research and education in the natural resources through a federal relations program.
- 2015-present. Society for Freshwater Science, Election and Place Committee
- 2014-2015. Co-organizer for the first Conference on Biological Stoichiometry at Trent, June 2015.
- 2013-present. NSF BioREU Leadership Committee. Assigned based on an invitation from NSF.
- Ad Hoc Reviewer

Limnology and Oceanography, Freshwater Biology, Journal of the North American Benthological Society, Freshwater Science, Oecologia, Oikos, Hydrobiologia, Ecology, Ecological Applications, Ecological Monographs

- Proposal Reviewer

National Science Foundation (EPSCOR, REU, DEB panels), USGS (104g), National Geographic Society

- Professional Memberships

Sigma Xi

Society of Freshwater Science

American Society of Limnology and Oceanography

Ecological Society of America

Regional/State

- Technical Advisory Committees
 - White River Basin
 - Illinois River Basin
 - Arkansas Water Resources Center
 - Beaver Watershed
- Proposal Reviewer
Arkansas Water Resources Center 104b (2013-present)
- Reviewed applicants for the University of Arkansas Sigma Xi Harvey Award

University

- Toxic Substances Committee (2009-present).

Departmental Service

- Graduate Studies Committee (2011 - present)

- Personnel Committee (2010, 2013-present)
- Biology Club Faculty Sponsor (2009-2014)
- Tenure and Promotion Committee (2014-2018)
- Chair of Greenhouse Committee: I set up key arrangements, emergency contacts, maintenance instructions, and custodial services. I coordinated monthly and unforeseen maintenance events in the building. I scheduled the use of the greenhouse bays and inform users of issues.
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- Chair of Search: Ecologist (2013-2014), Comparative Invertebrate Zoologist (2015-2016)
- Search Committee Member: Ecologist (2012-2013), Freshwater Ecologist (2014-2015), Disease Ecologist (2017-2018)