

CURRICULUM VITA OF STEPHEN J. JACQUEMIN

Stephen J. Jacquemin
 Professor of Biology
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EDUCATION

Ball State University, USA	Ph.D.	2013
Dissertation: Spatial, Temporal, and Ecological Correlates of Morphological Variation among North American Freshwater Fishes		
Ball State University, USA	M.S.	2010
Thesis: Impacts of Glaciation on Contemporary Fish Assemblages		
Ohio Northern University, USA	B.S.	2008
Biology Environmental Science		
Universidad de La Habana, Cuba	Certificate	2006
Environmental Management Research: Population Ecology of Sharks and Rays in Coastal Cuban Waters		

PROFESSIONAL EXPERIENCE

2020-present	Professor , Wright State University – Lake Campus
2016-2020	Associate Professor , Wright State University – Lake Campus
2013-2016	Assistant Professor , Wright State University – Lake Campus
2013-Current	Graduate School Faculty , Wright State University Graduate School
2012-2013	Instructor (Graduate), Ball State University, Department of Biology
2008-2012	Graduate Research Assistant , Ball State University, Dr. Mark Pyron
2008-2012	Graduate Teaching Assistant , Ball State University, Dept. of Biology
2005-2012	Ecological Consulting Contract Work , 2009-2012: Triad Mining Inc. (Environmental assessment of stream and wetland ecosystems), 2005: Hull and Associates (Environmental assessment of fish assemblages)
2009-2011	Adjunct Faculty , Ivy Tech College, Department of General Studies, Sciences Division, Ivy Tech Community College, Indiana.
2009	Aquatic Biologist Assistant , Muncie Bureau of Water Quality. Monitoring stream fish assemblages (White River, IN)
2007-2008	Teaching Assistant , Ohio Northern University, Department of Biological and Allied Health Sciences.
2007	Research Assistant , Ohio Northern University, College of Pharmacy, Dr. Willmore-Fordham. Effects of amphetamine on transient memory
2006	Research Scientist , Universidad de La Habana – El Centro de Investigaciones Marinas, Dr. González Sansón (Advisor). Population ecology (movement, estimates, impacts) of Caribbean elasmobranchs
2006	Park Ranger Assistant , U.S. Fish and Wildlife Service – Okefenokee National Wildlife Refuge, GA. Environmental education and research on community ecology of long leaf pine and swamp ecosystems

- 2005 **Research Assistant**, The Ohio State University, Dr. Andrew Vitz and Dr. Marja Bakermans. Survivorship, habitat use, and movement estimates for mature forest birds (ovenbird, cerulean warbler, worm-eating warbler)

PROFESSIONAL SOCIETY INVOLVEMENT

American Society of Ichthyologists and Herpetologists (ASIH), American Fisheries Society (AFS), Ohio Academy of Sciences (OAS), Indiana American Fisheries Society (IAFS), PULSE – Society for Undergraduate Life Science Education, American Society of Literature and the Environment (ASLE), Tri Beta Biological Honor Society (BBB)

PROFESSIONAL AWARDS AND RECOGNITION

- 2019 Outstanding Faculty Service Award (2018) – Wright State University Lake Campus
- 2018 Honorary Research Associate – Professional Affiliation with McWane Science Center, Birmingham, Alabama
- 2017 Outstanding Faculty of the Year (2016) – Wright State University Lake Campus
- 2016 Ohio Association of Two-Year Colleges (OATYC) Award Nominee: 2015-2016 OATYC Teacher of the Year
- 2016 American Fisheries Society – Indiana Chapter, Best Professional Paper Award
- 2015 Southwest Ohio Council Higher Education (SOCHE) Faculty Excellence Award
- 2015 Wright State University Presidential Award for Faculty Excellence: Early Career Achievement Award
- 2015 Wright State University Presidential Award for Excellence: Outstanding Unit (Lake Campus Year of Compassion Participant)
- 2015 Outstanding Faculty of the Year (2014) – Wright State University Lake Campus
- 2014 Excellence in Teaching (Wright State Core Education) – Student Nominated (BIO 1070 Health and Disease)
- 2014 Excellence in Teaching (Wright State Core Education) – Student Nominated (BIO 1050 Biology of Food)
- 2012 American Fisheries Society – Indiana Chapter, Best Student Poster Award
- 2010 Ball State University – Fisheries Graduate Student of the Year
- 2010 American Fisheries Society – North Central Division, Joan Duffy Award
- 2010 American Fisheries Society – Indiana Chapter, Best Student Paper Award
- 2010 American Fisheries Society – Indiana Chapter, Best Student Poster Award
- 2009 American Fisheries Society – North Central Division, Joan Duffy Award
- 2009 American Fisheries Society – Indiana Chapter, Best Student Paper Award
- 2009-11 Ball State University - Recognizable Graduate Student Award
- 2006 United States Fish and Wildlife Service - 500 Hour Volunteer Award

TEACHING

COURSES TAUGHT (course number, course title, number of times taught)

Wright State University (Updated Fall 2022, Note: Teaching Sabbatical Spring 2022)

BIO 1120/1120L - Cells and Genes – 10 lecture (1 online), 18 lab (2 hybrid)

BIO 1150/1150L – Organisms and Ecosystems – 8 lecture (1 online), 14 lab (2 hybrid)

BIO 1050/1050L – Biology of Food – 5 lecture, 7 lab

BIO 1060/1060L – Global Ecology and Biodiversity – 3 lecture, 3 lab (lab co-instructed)
 BIO 1070/1070L – Health and Disease – 5 lecture, 8 lab
 BIO 2310/2310L – Ecology – 8 lecture (3 online), 8 lab (1 hybrid)
 BIO 3150/3150L – Invertebrate Zoology – 4 lecture (1 online), 4 lab (1 hybrid)
 SM 4000 – Senior Capstone Integrated Sciences – 1 (1 hybrid)
 BIO 4020 – Current Literature in Biology – Foundations of Ecology - 1
 BIO 4750/4750L – Ichthyology – 4 lecture (2 online), 4 lab (1 hybrid)
 BIO 4990 – Special Problems in Biology - 9
 ME 4910 – Capstone Design (Senior Mech. Engineering Design Project Advisor) - 5
 BIO 8000 – Graduate Seminar – Aquatic Ecology and Scientific Communication - 1
 BIO 8990 – Graduate Research – 5

Ivy Tech College

BIOL 105 – General Biology – 1 lecture, 1 lab
 BIOL 101 – Anatomy and Physiology – 1 lecture, 1 lab

Ball State University

BIOL 112 – Principles of Biology II – 1 lecture, 1 lab
 BIOL 444 – Ichthyology – 2 lab
 BIOL 216 – Ecology – 1 lecture, 1 lab (graduate assistant)
 BIOL 484 – Aquatic Entomology – 1 lab (graduate assistant)
 BIOL 432 – Invertebrate Zoology – 2 labs (graduate assistant)
 ZOOL 330 – Structure and Development of Vertebrates – 1 lab (graduate assistant)

Ohio Northern University

BIOL 368 – Ichthyology – 1 lab (teaching assistant)
 BIOL 233 – Invertebrate Zoology – 1 lab (teaching assistant)

U.S. Fish and Wildlife Service – Okefenokee National Wildlife Refuge, Georgia

Regular naturalist lectures on natural history topics (ecology, ecosystem dynamics, etc.)

ACADEMIC PROGRAM, CURRICULUM, AND COURSE DEVELOPMENT

Current **Independent Studies**. Facilitated numerous independent studies with science students to expand their understanding of water quality and ecology 2014-2022.

2021 **Integrated Science Studies**. Created program and track specific brochures for advertisement, recruitment, and information distribution among current and prospective students.

2020 **Integrated Science Studies**. Bachelor of Science. Co-planned and helped facilitate two formal tracks (Pre Professional Health Studies and Earth and Biological) within the existing program.

2016 **Program Reviews and Assessment Planning**. Created program review templates for both the AS in Biology as well as BS in Integrated Science Studies to assist in assessment during accreditation processes.

2015 **Integrated Science Studies**. Bachelor of Science. Program emphasizes interdisciplinary nature of science by building core competencies in biology,

- geology, chemistry, and physics while providing flexibility that positions students for professional careers, graduate study, and more. **Role: Program Co-Creator.**
- 2014 **Ichthyology Course.** BIO 4750/4750L (6750/6750L). Undergraduate and graduate course which explores fish diversity with special emphasis on evolution, anatomy, physiology, ecology, and Ohio fishes. **Role: Course Creator.**

UNDERGRADUATE STUDENT PROJECT SUPERVISION AND ADVISEMENT

(student names in parentheses, *denotes project publication)

- 2017-current **Undergraduate Research Assistants.** Water quality lab research (*Active Students:* S. Wendel, K. Kline. *Former Students:* N. Mazzone, N. Gnau, T. Ricketts, A. Crites, P. Poore, G. MacDonald, J. Birt, C. Cobb, B. Strang, C. Ewing, M. Zehringer, M. Morden, G. Moeller, M. Gels).
- 2020-2021 **Special Problems in Biology BIO 4990.** Undergraduate independent study on communicating in the sciences (Cobb).
- 2020-2021 **Special Problems in Biology BIO 4990.** Undergraduate independent study on harmful algal bloom population dynamics in GLSM (Morden).
- 2020-2021 **Senior Mechanical Engineering Capstone Project 1.** ME4910 course. Remote sensing enviro drone (Froning, Martin, Kuehl, Baker, Hiestand).
- 2020-2021 **Senior Mechanical Engineering Capstone Project 2.** ME4910 course. Remote sensing enviro drone (Stephens, Neumier, Bett, Brook, Hemmel).
- 2019-2020 **Special Problems in Biology BIO 4990.** Undergraduate independent study on nutrient/coliform runoff and best management practices (Birt).
- 2019-2020 **Undergraduate Research Assistants.** Stream microbial research on Ecoli processing by wetlands (Ewing, Axe, Grube, Senger, Posada, Kinney).
- 2018-2019 **Special Problems in Biology BIO 4990.** Undergraduate independent study on invertebrate zoology, evolution, and taxonomy (Poore).
- 2018-2019 **Senior Mechanical Engineering Capstone Project.** ME4910 course. Swimming performance chamber (Stammen, Meckstroth, Will, Felver).
- 2016-2017 **Senior Mechanical Engineering Capstone Project.** ME4910 course. Swimming performance chamber (Boyd, Moore, Beyke, Knapke).
- 2016-2017 **Undergraduate Research Assistants.** Fisheries research on swimming performance (Smith, Schemmel, Huelsman). *Published 2018.
- 2015-2016 **Special Problems in Biology BIO 4990.** Undergraduate independent study on swimming performance in fishes (Schoenherr).
- 2015-2016 **Special Problems in Biology BIO 4990.** Undergraduate independent study on diel variation in lotic fishes (Huelsman).
- 2014-2015 **Engineering Design Project.** Undergraduate independent study on design of swimming performance chambers (Fuerst, Barhorst, Pontius, Adkins).
- 2014-2015 **Special Problems in Biology BIO 4990.** Undergraduate independent study on multivariate statistics in paleobiology of blastoids (Moeller).
- 2014-2016 **Special Problems in Biology BIO 4990.** Undergraduate independent study on near shore fish variation in Grand Lake (Smith).
- 2014-2015 **Special Problems in Biology BIO 4990.** Undergraduate independent study on tooth shape variation in paleo sharks (Fuller).
- 2013-2015 **Undergraduate Research Assistants.** Paleobiology research (WSU Students: Whetstone, Jones, *Published 2015)

2009-2013 **Undergraduate Research Assistants.** Ball State undergraduate ecology projects on gastropods, crayfish, and fishes. Studies explored variation in *Physa* morphology (Garza), freshwater drum age and growth (Owen * Published 2014), freshwater pleuroceridae niche (Ross * Published 2014), body shape and size of *Elimia* (Settineri *Published 2013), stable isotopes in fishes of midwestern lotic and lentic systems (Miller *Best Student Poster IAFS 2010, *Published 2014), and morphology of sand shiner populations over time (Schritter).

GRADUATE STUDENT THESIS / DISSERTATION ADVISEMENT

- 2020-2022 **Daniel Cline**, Wright State U., Earth & Environmental, MSc. Thesis: Vertebrate assemblages of Skelley Limestone of Noble and Muskingum Counties, Ohio. Graduated Summer 2022. **Committee Member.**
- 2021-2022 **Morgan Grunden**, Wright State University, Chemistry, MSc. Thesis: Harmful Algal Blooms in Caesar Creek Lake and their Relationship to Riparian Cover. Graduated Spring 2022. **Committee Member.**
- 2020-2021 **Courtney Simons**, Wright State University, Earth and Environmental Sciences Masters – *Non-Thesis Track* – Graduated Summer 2021. **Committee Member.**
- 2018-2021 **Greg McGlinch**, The Ohio State University, College of Food, Agricultural, and Environmental Sciences, PhD Program. Dissertation Topic: Development of agronomic recommendations for Winter Malting Barley. Graduated Winter 2021. **Committee Member** (*Invited Outside Appointment*).
- 2018-2022 **Michaela Mitchell**, Wright State U., Environmental Sciences, PhD. Dissertation Topic: Morphological changes in Chondrichthyan dentition over the Late Permian-Triassic transition – detecting effects of evolutionary constraints on niche occupation. **Committee Co-Chair.**
- 2018-2020 **David Peterman**, Wright State University, Environmental Sciences, PhD. Dissertation Topic: Hydrostatics and hydrodynamics of prominent heteromorph ammonoid morphotypes and the functional morphology of ammonitic septa. Graduated Spring 2020. **Committee Member.**
- 2018-2020 **Ryan Shell**, Wright State University, Environmental Sciences, PhD. Dissertation Topic: Stratigraphy and vertebrate pale of a Pennsylvanian/Permian marine ecosystem, West-Central Texas and Northeastern Kansas. Graduated Summer 2020. **Committee Member.**
- 2017-2019 **Matthew Hoenig**, Wright State University, EES, MSc. Thesis: Chondrichthyan diversity within the Burlington-Keokuk fish bed of southeast Iowa and northwest Illinois (Mississippian: Osagean). Graduated Spring 2019. **Committee Member.**
- 2015-2022 **Angela Clayton**, Wright State U., Environmental Sciences, PhD. Dissertation Topic: Paleontology, ecology, stratigraphy, lithology, and form of a Late-Mississippian (Chesterian) vertebrate bearing limestone within the Leitchfield Formation, Kentucky. **Committee Member.**

- 2015-2017 **Anthony Bell**, Wright State University, Biology, MSc. Thesis Topic: Ecomorphology of Bluegill *Lepomis macrochirus* in the Grand Lake St Mary's watershed. Graduated Fall 2016. **Committee Chair.**
- 2015-2017 **Michaela Mitchell**, Wright State U., EES, MSc. Thesis: Origins of filter feeding in Lamniformes. Graduated Fall 2016. **Committee Member**
- 2015-2017 **Maxwell Bertso**s, Wright State University, EES, MSc. Thesis: Spatial variation in tooth shape of Miocene populations of *C. megalodon* across ocean basins. Graduated Fall 2016. **Committee Member.**

TEACHING AND PROFESSIONAL DEVELOPMENT

- 2022 Hazing Prevention Workshop. Sponsor: Wright State Dean of Students.
- 2021 Understanding Algal Blooms: State of the Science. Sponsor: Ohio Sea Grant.
- 2018 Are You Ready for Harmful Algal Bloom Season? Sponsor: YSI Webinar.
- 2017 Curriculog Training Workshop. Sponsor: Wright State-Office of the Registrar.
- 2016 IVDL & Pilot Live Workshop. Sponsor: WSU-Center for Teaching and Learning (CTL).
- 2016 Evaluating Alternatives for Fish Passage and Reintroduction Planning at a Watershed Scale. Sponsor: American Fisheries Society.
- 2016 Safe Space Training. Sponsor: Wright State - Office of LGBTQA Affairs.
- 2015-2016 Lake Campus Faculty Development Workshop Series. Attended workshops pertaining to community engagement, teaching strategies, and research.
- 2015 Scale-Up Classroom Workshop: Sponsor: Wright State– Center for Teaching and Learning (CTL).
- 2015 Quality Matters Certificate – Nationwide Apply Quality Matters Rubric Design Standards for Online and Blended Course Design: Sponsor: Quality Matters.
- 2015 Active Learning Workshop: Sponsor: Wright State– Center for Teaching and Learning (CTL).
- 2014 Writing Bootcamp. Sponsor: Wright State– Lake Student Success Center.
- 2013 Introduction to Research and Sponsored Programs. Sponsor: Wright State– The Office of Research and Sponsored Programs (RSP).
- 2013 Search Committee Training. Sponsor: Wright State–Office Equity and Inclusion.
- 2013 R Statistical Programming for Fisheries Professionals. Sponsor: Indiana American Fisheries Society.
- 2013 Engaging Every Student and Assessing their Progress with Technology: Turning Point Clickers. Sponsor: Wright State– Center for Teaching and Learning.
- 2013 Teaching Evaluation, Interpretation, and Affecting Change in the Classroom. Sponsor: Ball State– General Biology Education.
- 2012 Vision and Change in Undergraduate Biology Education: A Call to Action. National Science Foundation and American Association for the Advancement of Science. Sponsor: PULSE Community.

SCHOLARSHIP

REFEREED JOURNAL PUBLICATIONS (*undergraduate, **graduate student authors)

51. Cavanaugh J, **Jacquemin SJ**, Junker CR. 2022 - *Online Early*. A look at student performance during the covid-19 pandemic. *Quality Assurance in Education*. DOI: 10.1108/QAE-01-2022-0008.
50. Hanlon R, **Jacquemin SJ**, Birbeck J, Westrick J, Harb C, Gruszewski H, Ault A, Scott D, Foroutan H, Ross SD, González -Rocha J, Powers C, Pratt L, Looney H, Baker G, Schmale III DG. 2022. Drone-based water sampling and characterization of three freshwater harmful algal blooms (HABs) in the United States. *Frontiers in Remote Sensing*. *Section Unoccupied Aerial Systems*: 1-16, 3:949052. DOI: 10.3389/frsen.2022.949052.
49. Cavanaugh J, **Jacquemin SJ**, Junker CR. 2022. Variation in student perceptions of higher education course quality and difficulty as a result of the widespread implementation of online education during the COVID-19 pandemic. *Technology, Knowledge and Learning*: 1-16. DOI: 10.1007/s10758-022-09596-9.
48. Fuelling L, **Jacquemin SJ**, Stringer G, Smith A*, Ciampaglio CN. 2022. Phylogeography and biogeography of the ubiquitous and unique sciaenid genus *Aplodinotus* in North America. *Historical Biology*: 1-12. DOI:10.1080/08912963.2022.2054713.
47. **Jacquemin SJ**, Cubberley MS. 2022. Documentation of a massive lake wide fish die off on Grand Lake St Marys, with notes on long-term changes in the fish assemblage and watershed habitat over the past century. *American Midland Naturalist* 187(1): 104-112.
46. Shell R**, Zimmerman K**, Peterman D**, Ciampaglio C, Fuelling L, **Jacquemin SJ**. 2021. Vertebrate subfossil localities in Taylorsville Metropark, Montgomery County, Ohio, USA. *The Ohio Journal of Science* 121(2): 78-89.
45. Doll JC, **Jacquemin SJ**. 2021. Incorporation of feeding functional group information informs explanatory patterns of long-term population changes in fish assemblages. *PeerJ*. DOI: 10.7717/peerj.11032.
44. McGlinch GJ**, **Jacquemin SJ**, Lindsey LE. 2021. Estimating winter malting barley grain yield with fractional green canopy cover. *Crop, Forage, and Turfgrass Management* 7(1): DOI: 10.1002/cft2.20079. *Manuscript Ranked in the Top 10 Most Downloaded CFTM Journal Articles of the year*.
43. Jaqueth AL, **Jacquemin SJ**. 2020. Potential of pasture grasses to reduce soil runoff in simulated spring seeding applications. *Forage and Grazing Lands Brief*. *Crop, Forage, and Turfgrass Management* 6(1): DOI: 10.1002/cft2.20071.
42. **Jacquemin SJ**, McGlinch G, Dirksen T, Clayton A. 2020. On the potential for saturated buffers in northwest Ohio to remediate nutrients from agricultural runoff. *PeerJ*. DOI: 10.7717/peerj.9007.

41. **Jacquemin SJ**, Junker CR, Cubberley MS. 2020. Does a prolonged faculty strike in higher education affect student achievement in first year general education courses? *Journal of Collective Bargaining in the Academy* 11 (Article 6): 1-17.
40. Doll JC, **Jacquemin SJ**. 2019. Bayesian model selection in fisheries management and ecology. *Journal of Fish and Wildlife Management* 10(2): 691-707.
39. **Jacquemin SJ**, Junker CR, Doll JC. 2019. The branch effect: understanding multi-campus enrollment and student success. *The Journal of Continuing Higher Education* 67(1): 1-12.
38. Ebersole J, **Jacquemin SJ**. 2018. A Late Miocene (Hemphillian) freshwater fish (Osteichthyes) fauna from Mobile County, Alabama, USA. *Historical Biology*: 1-14. DOI:10.1080/08912963.2018.1530995.
37. Mitchell MG**, Ciampaglio CN, **Jacquemin SJ**. 2018. Convergent evolution in tooth morphology of filter feeding Lamniform sharks. *Southeastern Geology* 53(2): 63-80.
36. Nichols C*, Smith A*, Huelsman S*, Schemmel C*, Doll JC, **Jacquemin SJ**. 2018. Preliminary understanding of complexities in swimming performance of common minnow (Cyprinidae) taxa. *The Ohio Journal of Science* 118(2): 16-24.
35. Doll JC, **Jacquemin S**. 2018. Introduction to Bayesian modeling and inference for fisheries scientists. *Fisheries* 43(3): 152-161. *Manuscript Ranked in the Top 20 Most Downloaded Fisheries (Am. Fisheries Society) Journal Articles of 2018.*
34. **Jacquemin SJ**, Johnson LT, Dirksen TA, McGlinch G. 2018. Changes in water quality of Grand Lake St. Marys watershed following implementation of a manure application ban. *Journal of Environmental Quality* 47(1): 113-120. *Study Selected for Journal Issue Cover Page Feature.*
33. Bertso MJ**, Ciampaglio CN, **Jacquemin SJ**. 2017. Spatial variation in tooth shape of Miocene populations of *Carcharocles megalodon* across ocean basins. *Southeastern Geology* 52(4): 179-194.
32. Ciampaglio CN, **Jacquemin SJ**, Fabian AJ. 2017. Morphological analysis of the Blastoid taxa *Metablastus wortheni* and *Tricoelocrinus woodmani* with emphasis on taxonomic implications. *Southeastern Geology* 52(4): 205-222.
31. Bell A**, **Jacquemin SJ**. 2017. Evidence of morphological and functional variation among Bluegill *Lepomis macrochirus* populations across Grand Lake St. Mary's watershed area. *Journal of Freshwater Ecology* 32(1): 415-432. DOI: 10.1080/02705060.2017.1319429.
30. Junker CR, **Jacquemin SJ**. 2017. How does literature affect empathy in students? *College Teaching* 65(2): 79-87. DOI: 10.1080/87567555.2016.1255583.

29. **Jacquemin SJ**, Pyron M. 2016. 100 years of hydrologic alterations and morphological variation in Cyprinidae fishes. *BMC Ecology* 16(1): 1-18. DOI: 10.1186/s12898-016-0104-x.
28. Junker CR, **Jacquemin SJ**. 2016. On the implementation of an interdisciplinary teaching strategy for an environmental literature course. *Interdisciplinary Studies in Literature and Environment (ISLE)* 23(2): 395-411. DOI: 10.1093/isle/isw038.
27. **Jacquemin SJ**, Ebersole JA, Dickinson WC, Ciampaglio CN. 2016. Late Pleistocene fishes of the Tennessee River Basin: an analysis of a late Pleistocene freshwater fish fauna from Bell Cave (site ACb-2) in Colbert County, Alabama, USA. *PeerJ*. DOI: 10.7717/peerj.1648.
26. **Jacquemin SJ**, Cicimurri DJ, Ebersole JA, Jones M*, Whetstone Z*, Ciampaglio CN. 2016. Evidence that adaptations in functional tooth heterodonty do not occur in early cladodont sharks. *PalArch - Journal of Vertebrate Palaeontology* 13(1): 1-20.
25. **Jacquemin SJ**, Doll JC. 2015. Macroecology of North American suckers (Catostomidae): tests of Bergmann's and Rapoport's rules. *Ecology and Evolution* 5(18):3895-3904. DOI: 10.1002/ece3.1637.
24. Dillon RT, **Jacquemin SJ**. 2015. The heritability of shell morphometrics in the freshwater pulmonate gastropod, *Physa*. *PLOS ONE* 10(4): e0121962. DOI:10.1371/journal.pone.0121962.
23. Cavanaugh J, **Jacquemin SJ**. 2015. A large sample comparison of grade based student learning outcomes in online vs. face-to-face courses. *Online Learning* 19(2): 1-8.
22. **Jacquemin SJ**, Doll JC, Pyron M, Allen M, Owen DAS*. 2015. Effects of flow regime on growth rate in freshwater drum, *Aplodinotus grunniens*. *Environmental Biology of Fishes* 98(4): 993-1003.
21. Ross B*, **Jacquemin SJ**, Pyron M. 2014. Does variation in morphology correspond with variation in habitat use in freshwater gastropods? *Hydrobiologia* 736(1):179-188.
20. **Jacquemin SJ**, Doll JC. 2014. Body size and geographic range do not explain long term variation in fish populations: A Bayesian phylogenetic approach to testing assembly processes in stream fish assemblages. *PLOS ONE* 9(4): e93522. DOI:10.1371/journal.pone.0093522.
19. **Jacquemin SJ**, Bernot MJ, Smelser L. 2014. Twitter (social media) in the higher education classroom: a student and faculty assessment of use and perception. *Journal of College Science Teaching* 43(6): 22-27.

18. **Jacquemin SJ**, Pyron M, Allen M, Etchison L. 2014. Freshwater drum (*Aplodinotus grunniens* Rafinesque) diet in the Wabash River: effects of body size, river location, and sex. *Journal of Fish and Wildlife Management* 5(1): 133-140.
17. Krall D, Lim S, Cooper A, Burleson P, Rhoades D, **Jacquemin SJ**, Willmore D, Spears M, Willmore C. 2014 (Published Electronically 2013). Withdrawal effect of chronic amphetamine exposure during adolescence on complex maze performance. *Addiction Biology* 19(4): 634-642.
16. **Jacquemin SJ**, Miller C*, Pyron M. 2013. Identifying local scale food web variation using stable $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ isotopes in a central Indiana reservoir and downstream river. *Proceedings of the Indiana Academy of Science* 122(2): 62-68.
15. Gaston K, **Jacquemin SJ**, Lauer T. 2013. The influence of preservation on fish morphology in museum collections. *Acta Ichthyologica et Piscatoria* 43(3): 219-227.
14. **Jacquemin SJ**, Pyron M. 2013. Effects of allometry, sex, and river location on morphological variation of freshwater drum *Aplodinotus grunniens* in the Wabash River, USA. *Copeia* (4): 740-749.
13. Perry WL, Jacks AM, Fiorenza D, Young M, Kuhnke R, **Jacquemin SJ**. 2013. Effects of water velocity on the size and shape of rusty crayfish, *Orconectes rusticus*. *Invited submission – Special Issue – Crayfish Biology, Ecology, and Conservation*, *Freshwater Science (JNABS)* 32(4): 1398-1409.
12. Owen DAS*, Settinera A*, **Jacquemin SJ**, Pyron M. 2013. On the contribution of allometry to morphological variation in a freshwater gastropod *Elimia livescens*. *Proceedings of the Indiana Academy of Science* 121(2): 163-166.
11. Pyron M, T Pitcher, **Jacquemin SJ**. 2013. Evolution of mating systems and sexual size dimorphism in North American Cyprinids. *Behavioral Ecology and Sociobiology* 67(5): 747-756.
10. Dillon R, **Jacquemin SJ**, Pyron M. 2013. Cryptic phenotypic plasticity in populations of the freshwater prosobranch snail, *Pleurocera canaliculata*. *Hydrobiologia* 709(1): 117-127.
9. **Jacquemin SJ**, Doll JC. 2013. Long-term fish assemblages respond to habitat and niche breadth in the West Fork White River, Indiana. *Ecology of Freshwater Fish* 22(2): 280-294.
8. **Jacquemin SJ**, Martin E*, Pyron M. 2013. Morphology of bluntnose minnow *Pimephales notatus* (Cyprinidae) covaries with habitat in a central Indiana watershed. *American Midland Naturalist* 169(1): 137-146.

7. Dunithan A*, **Jacquemin SJ**, Pyron M. 2012. Morphology of *Elimia livescens* (Mollusca) in Indiana, USA covaries with environmental variation. *American Malacological Bulletin* 30(1): 127-133.
6. Etchison L*, **Jacquemin SJ**, Allen M, Pyron M. 2012. Morphological variation of rusty crayfish *Orconectes rusticus* (Cambaridae) with gender and local scale spatial gradients. *International Journal of Biology* 4(1): 163-171.
5. Pyron M, Williams L, Beugly J, **Jacquemin SJ**. 2011. The role of trait-based approaches in understanding stream fish assemblages. *Freshwater Biology* 56(8): 1579-1592.
4. **Jacquemin SJ**, Pyron M. 2011. Fishes of Indiana streams: current and historic assemblage structure. *Hydrobiologia* 665(1): 39-50.
3. **Jacquemin SJ**, Pyron M. 2011. Impacts of past glaciation events on contemporary fish assemblages of the Ohio River basin. *Journal of Biogeography* 38(5): 982-991.
2. Pyron M, Beugly J, Pritchett J, **Jacquemin SJ**, Lauer T, Gammon J. 2011. Long term fish assemblages of inner bends in a large river. *River Research and Applications* 27(6): 684-692.
1. Pyron M, Beugly J, Spielman M, Pritchett J, **Jacquemin SJ**. 2009. Habitat variation among aquatic gastropod assemblages of Indiana, U.S.A. *Open Zoology Journal* 2(1): 8-15.

SCHOLARLY TEXTBOOKS

Ebersole JA, Cicimurri DJ, **Jacquemin SJ**, Stringer GL, Ciampaglio CN. *Forthcoming – Expected Release Date 2022-2023*. Fossil Sharks and Bony Fishes of Alabama. Book, University of Alabama Press.

TECHNICAL REPORTS AND EXTENSION PUBLICATIONS

- 2022 **Jacquemin SJ**, Dirksen TA, Zehringer M, Kline K. Restored Wetlands in Grand Lake St Marys Watershed – 2021 Update. Quick Facts Sheet Prepared by Ag Solutions and Lake Restoration Commission (Mercer Co, OH).
- 2021 McGlinch G, Lindsey L, **Jacquemin SJ**. Tools for Estimating Winter Malting Barley Grain Yield. Ohio State University Extension Factsheet (ANR-95). Published by The Ohio State University.
- 2021 **Jacquemin SJ**, Dirksen TA, Strang B, Ewing C. Grand Lake St Marys Watershed Reconstructed Wetlands Update - 2020. Quick Facts Sheet Prepared by Ag Solutions and Lake Restoration Commission (Mercer Co, OH).
- 2020 **Jacquemin SJ**, Dirksen TA, Birt J, Strang B, Ewing C, Axe B. Grand Lake St Marys Watershed Reconstructed Wetlands Update - 2019. Quick Facts Sheet Prepared by Ag Solutions and Lake Restoration Commission (Mercer Co, OH).
- 2018 **Jacquemin SJ**, Dirksen TA, Poore P, McDonald G, Cobb C, Birt J. Improving GLSM Water Quality Using Reconstructed Wetlands. Quick Facts Sheet Prepared by Ag Solutions (Mercer Co, OH).

- 2018 Jaynes D, Reinhart B, Hay C, Isenhardt T, **Jacquemin SJ**, Kjaersgaard J, Nelson K, Utt N. Questions and Answers about Saturated Buffers for the Midwest. Transforming Drainage Extension Publication (ABE-160) Published by Purdue University.
- 2018 Four Mile Creek Agriculture Runoff and Retention Project. Brochure Prepared by **Jacquemin SJ** and Pheasants Forever.
- 2017 **Jacquemin SJ**, Dirksen TA, Poore P, Mazzone N, Ricketts T, Gnau N. Improving GLSM Water Quality Using Reconstructed Wetlands. Quick Facts Sheet Prepared by Ag Solutions (Mercer Co, OH).
- 2017 **Jacquemin SJ**, Johnson LT, Dirksen TA, McGlinch GM. Changes in Water Quality in GLSM Watershed Following Manure Application Regulations. Quick Facts Sheet Prepared by Ag Solutions (Mercer Co, OH).
- 2016 **Jacquemin SJ**. Swimming Performance of Great Lakes Minnows and Darters. Report Prepared for Ohio Sea Grant (Grant #60055609: R/ER-119-PD).
- 2015 **Jacquemin SJ**. River and Streams Technical Committee Report - State of Indiana, North Central Division, American Fisheries Society.
- 2013 **Jacquemin SJ**. River and Streams Technical Committee Report - State of Indiana, North Central Division, American Fisheries Society.
- 2012 **Jacquemin SJ**. River and Streams Technical Committee Report - State of Indiana, North Central Division, American Fisheries Society.
- 2011 Pyron M, **Jacquemin SJ**. Sample and Quantify Macroinvertebrate and Fish Communities on Triad Mining, Inc. Arthur Mine Properties. Final Report Prepared for Triad Mining, Inc.
- 2011 Pyron M, **Jacquemin SJ**. Sample and Quantify Macroinvertebrate and Fish Communities on Triad Mining, Inc. Log Creek Properties. Final Report Prepared for Triad Mining, Inc.
- 2011 Pyron M, **Jacquemin SJ**. Sample and Quantify Macroinvertebrate and Fish Communities on Triad Mining, Inc. Augusta Complex Properties. Final Report Prepared for Triad Mining, Inc.
- 2009 Pyron M, Lauer T, **Jacquemin SJ**. Middle Wabash River Fish Community Assessment. Final Report Prepared for Eli Lilly and Company and Duke Energy.
- 2006 **Jacquemin SJ**. Distribution and Description of Fishes of the Okefenokee Swamp, GA. Online Report Prepared for US Fish and Wildlife Service.

INVITED PROFESSIONAL PRESENTATIONS

- 2022 Wright State University – Sustainable Agriculture Course Guest Lecture. Wetlands and Nutrient Remediation in Agricultural Settings. Celina, OH.
- 2022 Wright State University – Paleobiology of Vertebrates Course Guest Lecture. Teleost Fish Evolution and Diversity. Celina, OH.
- 2022 Conservation Tillage & Technology Conference. Saturated Buffers as an Edge of Field Treatment Option for Improving Water Quality. 30th Annual Conference. Ohio Northern University, Ada OH.
- 2022 American Institute of Professional Geology. Grand Lake St Marys Watershed Conservation. Ohio Section Winter Meeting. Nutter Center, Dayton, OH.
- 2022 Water Quality Wednesdays. Saturated Buffers and Their Potential for Implementation in Ohio. Ohio State University Extension. Webinar Series.

- 2021 Wright State University – Oceanography Course Guest Lecture. Marine Biodiversity. Dayton, OH.
- 2021 Wright State University. Long Term Conservation of Grand Lake St Marys. Earth and Environmental Sciences Department Seminar Series. Dayton, OH.
- 2021 The Ohio State University College of Food, Agricultural, and Environmental Sciences Manure Science Review Day. Saturated Buffer Research, Design, and Implementation in Grand Lake St Marys Watershed. MVP Dairy, Celina, OH.
- 2021 Division of Soil and Water Conservation Districts (Ohio). The Role of Reconstructed Wetlands in Mitigating Nutrient Runoff. Online Meeting.
- 2020 Wright State University – Hydrogeology Course Guest Lecture. Sediment Separation, Differentiation, and Application in Conservation Assessment. Celina, OH.
- 2020 Wright State University – Agriculture Course Guest Lecture. Agricultural Best Management Practices in Grand Lake St Marys Watershed. Celina, OH.
- 2020 Wright State University. Wetlands and Conservation in Grand Lake St Marys. Biology Department Seminar Series. Dayton, OH.
- 2019 Wright State University – Lake Campus – Faculty Development Workshop Series. Introduction to Scholarship and Research. Celina, OH.
- 2018 Indiana Certified Crop Advisor Conference. Changes in Grand Lake St Marys Watershed: Moving Towards an Improved Understanding of Water Quality Over the Past Decade. Sponsored by Purdue University. Indianapolis, IN.
- 2018 Stormwater Management & Design Seminar. Norton Engineering. Improving Grand Lake St Marys Using Watershed Management Approaches. Piqua, OH.
- 2018 Conservation Tillage & Technology Conference. Long Term Trends and Improvements in Water Quality of Grand Lake St Marys Watershed. 26th Annual Conference. Ohio Northern University, Ada OH.
- 2018 Ohio Federation of Soil & Water Conservation Districts. Long Term Changes in Water Quality of Grand Lake St. Marys. 75th Annual Partnership Meeting. Columbus OH.
- 2018 Emerging Ag Conference. Changing Nutrients and Water Quality in Grand Lake St Marys Watershed Over the Past Decade. Wright State University, Celina OH.
- 2017 Ohio Soil and Water Conservation Commission. Changes in Water Quality of Grand Lake St. Marys Following the Distressed Watershed Designation. Ohio Department of Agriculture, Columbus OH.
- 2017 The Ohio State University – Stone Laboratory Summer Lecture Series. Water Quality of Grand Lake St. Marys Following a Manure Application Ban and Potential Implications for Lake Erie Management. OSU Field Station, Put In Bay OH.
- 2017 Ohio Department of Agriculture. Changes in Water Quality of Grand Lake St. Marys Following a Manure Application Ban. Columbus OH.
- 2017 Central Michigan University – Biology Department Seminar. Variation in North American Cyprinidae Morphology: Implications for Ecology, Evolution, and Survival in the Face of Changing Ecosystems. Mount Pleasant MI.
- 2016 Wright State University – Lake Campus – Faculty Development Workshop Series. Introduction to Scholarship and Research.

- 2016 Antioch College – Invited Seminar Series. Evolution of North American Freshwater Fish. Yellow Springs OH.
- 2014 Wright State University – Lake Campus – Student Success Center Workshop Series. Communicating in the Sciences.
- 2013 Wright State University – Lake Campus – Fall College Seminar Series. Morphological and Ecological Variation of Fish in the Wabash River Basin.
- 2013 Wright State University – Biology Department Eco Seminar Series. What Drives Morphological Variation in Freshwater Fishes?
- 2013 Wright State University – Lake Campus – New Faculty Seminar. Evolution of Morphological Variation in North American Freshwater Fishes.
- 2013 Ball State University – Environmental Sciences PhD Seminar Series. 100 years of Hydrological Alterations and Long Term Effects on Fish Morphology.
- 2012 American Fisheries Society – Indiana Chapter (Ball State University). Freshwater Drum of the Wabash River, USA.
- 2012 Ball State University – Wildlife Biology Course Guest Lecture. Evolution, Ecology, and Identification of Fishes. Freshwater Fish ID Workshop.
- 2012 Ball State University – Ecology Course Guest Lecture. On the Population Distribution and Abundance of Kingdom Animalia.
- 2011 Ball State University – Wildlife Biology Course Guest Lecture. Evolution, Ecology, and Identification of Freshwater Fishes.
- 2011 American Fisheries Society – Indiana Chapter (Ball State University). Disentangling the Spatial, Temporal, and Ecological Correlates of Morphological Variation Among North American Freshwater Fishes.
- 2011 Ball State University – Natural Resources Sustainability Course Guest Lecture. On the Importance of Sustainable Aquaculture in the Modern World.
- 2010 The Wildlife Society – Indiana Chapter. Evolutionary and Environmental Constraints that Influence Morphological Variation in Freshwater Fishes.
- 2010 Ball State University - Teachers College. On the Integration of Experiential Learning Theory into Academia.
- 2010 Ball State University - Teachers College. Towards an Understanding on Public Perceptions of Biological Processes Pre and Post Darwinian Theory.
- 2010 Ball State University – Wildlife Biology Course Guest Lecture. Evolution, Ecology, and Identification of Freshwater Fishes.
- 2009 American Fisheries Society – Indiana Chapter (Ball State University). Spatiotemporal Dynamics of Indiana Stream Fish Assemblages After Five Decades of Environmental Change.
- 2007 Ohio Northern University. The Natural Environment: Mirror of a Nation.
- 2007 Ohio Northern University. Cuba: The Keystone of the Caribbean.
- 2006 Universidad de La Habana, Cuba. Ecological Interactions: Cycles of Life.

CONTRIBUTED PROFESSIONAL PRESENTATIONS AND PUBLISHED ABSTRACTS (*denotes undergraduate student, **denotes graduate student)

97. Kane DD, Manning NF, **Jacquemin SJ**, Johnson LT. 2022. Coldwater chloride and Scioto salt – more examples of salinization in Ohio Rivers? Water Management Association of Ohio / Ohio Lake Management Society 51st Annual Meeting – Columbus, OH.

96. Shell R, Gardner N, Peterman D, Ciampaglio CN, **Jacquemin SJ**, Fuelling L. 2022. Bobcat subfossils and historical records in Ohio may suggest decline but not extirpation. Geological Society of America – North Central Section – Cincinnati, OH. *Abstracts with Programs* 54(4).
95. Kinsman-Costello L, Kerns J, Mendonca R, Becker R, Bridgeman T, Chaffin JD, Doro K, Fussell K, **Jacquemin SJ**, Johnson L, Liu G, McCluney KE, Michaels H, Midden W, Newell SE, Winslow C. 2022. Establishing a flexible but robust framework to assess nutrient removal in diverse wetland restorations (Ohio, USA). Joint Aquatic Sciences Meeting - Kalamazoo, MI.
94. Newell SE, **Jacquemin SJ**, Myers JA, Kinsman-Costello L. 2022. Assessing nutrient load reduction across constructed wetland types: case studies from Grand Lake St Marys, Buckeye Lake, and the Great Miami River. Joint Aquatic Sciences Meeting - Kalamazoo, MI.
93. **Jacquemin SJ**, Zehringer M, Kline K. 2022. Nutrient removal potential of restored wetlands: lessons from Grand Lake St Marys Watershed for H2Ohio. *Invited Presentation - Special Session – Designing and Evaluating Wetlands to Optimize Environmental and Ecological Benefits*. IAGLR State of Lake Erie Conference – Cleveland, OH.
92. **Jacquemin SJ**, Zehringer M, Kline K. 2022. Understanding nutrient removal potential of restored wetlands: lessons from the Grand Lake St Marys Watershed. *The Ohio Journal of Science Abstracts with Programs* 122(1).
91. Hughes J*, Newell SE, Starr LE**, Davidson JL**, Myers JA, McCarthy MJ, **Jacquemin SJ**. 2022. Trace metal fluxes across the sediment-water interface in Grand Lake St Marys: Internal release of dissolved iron may help drive harmful algal blooms. *The Ohio Journal of Science Abstracts with Programs* 122(1).
90. Owens C*, **Jacquemin SJ**, Davidson JL**, Hughes J*, Myers JA, McCarthy MJ, Newell SE. 2022. Microcystin gene abundance and toxin concentrations in Grand Lake St Marys. *The Ohio Journal of Science Abstracts with Programs* 122(1).
89. Fuelling L, **Jacquemin SJ**, Stringer G, Smith A*, Ciampaglio C. 2021. Importance of fossil and archaeological occurrence data for understanding the evolution and distribution of the Freshwater Drum (*A. grunniens*). Joint Meeting of Ichthyologists and Herpetologists (ASIH) – Phoenix, AZ (Event Online Amid COVID-19 Pandemic).
88. Hanlon R, González-Rocha J, Bloomfield B, Gruszewski H, **Jacquemin SJ**, Westrick J, Looney H, Lassiter A, Schmale III DG. 2021. Targeted sampling of an unanticipated harmful algal bloom in Lake Anna, Virginia with aerial and aquatic robots. National Science Foundation – Principal Investigators Meeting – National Robotics Initiative – Foundational Research in Robotics (Event Online Amid COVID-19 Pandemic).
87. Cavanaugh J, **Jacquemin SJ**, Junker CR. 2021. Variation in student perceptions of higher education course quality and difficulty as a result of widespread implementation of online education during the COVID-19 pandemic. AURCO - Association for University Regional Campuses of Ohio (Event Online Amid COVID-19 Pandemic).
86. Morden M*, Ewing C*, Strang B*, Doll JC, **Jacquemin SJ**. 2021. Importance and challenges of monitoring harmful algal blooms in Grand Lake St Marys. Midwest

- Ecology and Evolution Conference – DeKalb, IL (Event Online Amid COVID-19 Pandemic).
85. Davidson JL**, **Jacquemin SJ**, Newell SE, Myers JA**, McCarthy M. 2021. Effects of aluminum sulfate treatment on nutrient dynamics and a *Planktothrix* bloom in a shallow, semi-enclosed lake area. *10th Annual International Shallow Lakes Conference – Natal, Brazil* (Event Online Amid COVID-19 Pandemic).
 84. Mitchell M**, Ciampaglio CN, Peterman D**, Shell R**, Fueling L, **Jacquemin SJ**. 2020. Changes in Chondrichthyan tooth niche space across the Permian-Triassic boundary. Geological Society of America – North Central Section – Duluth, MN. *Abstracts with Programs* 52(5).
 83. Ledsky IR*, Olson NE, Shi J, Cooke M, Birbeck JA, **Jacquemin SJ**, Westrick J, Schmale DG, Ault A. 2020. Detection of toxins from harmful algae blooms: identifying markers for Microcystin-LR. National Meeting of American Chemical Society – Philadelphia, PA.
 82. Qian S, Arend K, Kowalski K, Kuzmick E, Sullivan M, **Jacquemin SJ**. 2019. A modeling framework for estimating wetland phosphorus retention capacity. National Estuarine Research Reserve System Annual Conference.
 81. Hanlon R, Bloomfield BA, **Jacquemin SJ**, Westrick J, Ault A, Schmale DG. 2019. Characterizing harmful algal blooms (HABs) using unmanned systems in three freshwater lakes in the US. *10th Annual US Symposium on Harmful Algae – Orange Beach, AL*.
 80. **Jacquemin SJ**. 2018. Changes in Grand Lake St Marys Watershed: moving towards an improved understanding of water quality over the past decade. *Invited Presentation – Special Session - Watershed and Water Management*. North American Lake Management Society – Cincinnati, OH.
 79. **Jacquemin SJ**, Poore P*, McDonald G*, Birt J*, Dirksen T. 2018. Constructed wetlands and nutrient removal in Grand Lake St Marys Watershed. *Invited Presentation – Special Session – Ecological Engineering of Sustainable Landscapes to Protect Downstream Aquatic Ecosystems*. North American Lake Management Society – Cincinnati, OH.
 78. **Jacquemin SJ**, Poore P*, Mazzone N*, Ricketts T*, Gnau N*. 2018. Nutrient removal potential of constructed wetlands in Grand Lake St Marys Watershed. *The Ohio Journal of Science Abstracts with Programs* 118(1).
 77. Huelsman S*, Schemmel C*, Smith A*, **Jacquemin SJ**. 2017. Understanding swimming performance variation in Ohio Minnows (Cyprinidae). The Ohio Academy of Sciences – Cincinnati, OH. *The Ohio Journal of Science Abstracts with Programs* 117(1).
 76. Beyke S*, Boyd B*, Knapke C*, Moore A*, **Jacquemin SJ**. 2017. Swimming performance chamber design: a ‘how to guide’ on the design, build, and implementation of a novel chamber for ecological research. The Ohio Academy of Sciences – Cincinnati, OH. *The Ohio Journal of Science Abstracts with Programs* 117(1).
 75. Mitchell M**, Ciampaglio C, **Jacquemin SJ**. 2017. Convergent evolution in tooth morphology of filter feeding Lamniform sharks. Geological Society of America – North Central and North Eastern Sections – Pittsburg, PA. *Abstracts with Programs* 49(2).

74. Bertso M**, Ciampaglio C, **Jacquemin SJ**. 2017. Evidence of tooth shape variation in *Carcharocles megalodon* across ocean basins. Geological Society of America – North Central and North Eastern Sections – Pittsburg, PA. *Abstracts with Programs* 49(2).
73. Bell A**, **Jacquemin SJ**. 2017. Evidence of morphological and functional variation among Bluegill *Lepomis macrochirus* populations across Grant Lake St Marys Watershed area. American Fisheries Society – Ohio and Indiana Chapters, Muncie, IN.
72. Nichols C*, Doll J, **Jacquemin SJ**. 2017. Swimming performance of Bluntnose Minnows *Pimephales notatus* in lentic and lotic waters. American Fisheries Society – Ohio and Indiana Chapters, Muncie, IN.
71. Huelsman S*, Schemmel C*, Smith A*, **Jacquemin SJ**. 2017. Understanding swimming performance variation in Ohio Minnows (Cyprinidae). American Fisheries Society – Ohio and Indiana Chapters, Muncie, IN.
70. Nichols C*, Doll J, **Jacquemin SJ**. 2017. Comparing swimming performance of Bluntnose Minnows *Pimephales notatus* in lentic and lotic systems. Midwest Fish and Wildlife Conference – Lincoln, NE.
69. Doll JC, **Jacquemin SJ**. 2016. Macroecology of North American Suckers. American Fisheries Society – Indiana Chapter, Bloomington, IN. **Best Professional Paper Award.**
68. Ciampaglio CN, **Jacquemin SJ**, Ebersole JA, Cicimurri DJ. 2016. Quantifying heterodonty in the late Devonian sharks *Cladoselache* and *Ctenacanthus* from the Ohio Shale, USA. Geological Society of America – North Central Section – Champaign, IL.
67. Schoenherr KB*, **Jacquemin SJ**. 2016. Swimming performance trends in North American fish. Midwest Fish and Wildlife Conference – Grand Rapids, MI.
66. Bell AJ**, **Jacquemin SJ**. 2016. Evidence of morphological variation in Bluegill *Lepomis macrochirus* of Grand Lake St. Mary's watershed. Midwest Fish and Wildlife Conference – Grand Rapids, MI.
65. Mitchell MG**, Ciampaglio CN, **Jacquemin SJ**. 2015. Origins of filter feeding in Lamniform sharks. Geological Society of America – National Meeting – Baltimore, MD.
64. Fuller KR*, Ciampaglio CN, **Jacquemin SJ**. 2015. Comparing species complexes within the genera *Isurus* and *Carcharodon*. Geological Society of America – National Meeting – Baltimore, MD.
63. Moeller H*, **Jacquemin SJ**. 2015. Morphological analysis of heterochrony of the Blastoid genera *Metablastus* and *Tricoelocrinus*. Wright State University – Celebration of Research, Scholarship, and Creative Activities – Dayton, OH.
62. Fuller KR*, Ciampaglio CN, **Jacquemin SJ**. 2015. Preliminary findings from a morphological comparison of species within the genera *Isurus* and *Carcharodon*. Geological Society of America – North Central Section – Madison, WI. *Abstracts with Programs* 47(5).
61. Moeller H*, Ciampaglio CN, **Jacquemin SJ**, Fabian AJ. 2015. Morphological analysis of heterochrony of the Blastoid genera *Metablastus* and *Tricoelocrinus*. Geological Society of America – North Central Section – Madison, WI. *Abstracts with Programs* 47(5).

60. Adkins K*, Barhorst J*, Fuerst A*, Pontius B*, **Jacquemin SJ**, Wulandana R. 2015. Swimming performance chamber. Association for University Regional Campuses of Ohio (AURCO), Kent State University, Salem, OH.
59. Holloway D, Doll JC, **Jacquemin SJ**. 2015. Tolerance values as a method to describe fish assemblage health in the Wabash River Basin. Midwest Fish and Wildlife Conference – Indianapolis, IN.
58. Cavanaugh JK, **Jacquemin SJ**. 2014. An easy “A”? Online vs. face-to-face grades. Ohio Association of Two-Year Colleges, Wright State University – Lake Campus, Celina, OH.
57. Dillon R, **Jacquemin SJ**. 2014. The heritability of shell morphometrics in the freshwater pulmonate gastropod, *Physa*. Mollusca 2014 International Meeting - American Malacological Society – Mexico City, Mexico.
56. Boys SM*, Timbrook KA*, Thomas TN*, Schroeder SC*, Carroll CM*, **Jacquemin SJ**, Riley LA, Verb RG, Keiser TD. 2014. Stream comparison between glaciated and unglaciated regions of Ohio. Joint Aquatic Sciences Meeting – Portland, OR.
55. Jones M*, **Jacquemin SJ**, Ciampaglio CN, Whetstone Z*, Cicimurri DJ. 2014. On the specialization of tooth morphology in early Cladodont sharks. Geological Society of America – North Central Section – Lincoln, NE. *Abstracts with Programs* 46(4).
54. Wint SM*, Ciampaglio CN, **Jacquemin SJ**, Cicimurri DJ. 2014. Tooth morphology provides evidence of ancestral megalodon lineage. Geological Society of America – North Central Section – Lincoln, NE. *Abstracts with Programs* 46(4).
53. Jones M*, **Jacquemin SJ**, Ciampaglio CN, Whetstone Z*, Cicimurri DJ. 2014. On the specialization of tooth morphology in early Cladodont sharks. Wright State University – Celebration of Research, Scholarship, and Creative Activities – Dayton, OH.
52. Wint SM*, Ciampaglio CN, **Jacquemin SJ**, Cicimurri DJ. 2014. Tooth morphology provides evidence of ancestral megalodon lineage. Wright State University – Celebration of Research, Scholarship, and Creative Activities – Dayton, OH.
51. Jones M*, **Jacquemin SJ**, Ciampaglio CN, Whetstone Z*, Cicimurri DJ. 2014. On the specialization of tooth morphology in early Cladodont sharks. Ohio Academy of Sciences – North Canton, OH. *Abstracts with Programs* 114(1).
50. Wint SM*, Ciampaglio CN, **Jacquemin SJ**, Cicimurri DJ. 2014. Tooth morphology provides evidence of ancestral megalodon lineage. Ohio Academy of Sciences – North Canton, OH. *Abstracts with Programs* 114(1).
49. Cavanaugh J, **Jacquemin SJ**. 2014. An easy “A”? Online vs. face-to-face grades. Association for University Regional Campuses of Ohio (AURCO), University of Cincinnati, Clermont, OH.
48. **Jacquemin SJ**, Doll JC, Pyron M. 2014. Effects of hydrology on growth rate in large river fishes. American Fisheries Society – Indiana Chapter, Muncie, IN.
47. **Jacquemin SJ**, Pyron M. 2013. Evolution of North American freshwater fish morphology with variation in habitat use and geographic range. Southwestern Association of Naturalists, Lake Charles, LA.
46. **Jacquemin SJ**, Pyron M. 2013. Wabash River freshwater drum: effects of body size, sex, river gradient. American Fisheries Society – Indiana Chapter, Lafayette, IN.

45. Dillon R, **Jacquemin SJ**, Pyron M. 2013. Phenotypic plasticity in the freshwater gastropod genus *Pleurocera*: extreme, cryptic, or both? Society for Freshwater Science (NABS), Jacksonville, FL.
44. Owen D*, **Jacquemin SJ**, Doll J, Pyron M, Allen M, Lauer T. 2012. Freshwater drum growth as a function of hydrology. Midwest Fish and Wildlife Conference, Wichita, KA.
43. Owen D*, **Jacquemin SJ**, Doll J, Pyron M, Allen M, Lauer T. 2012. Do growth rates of large river fish coincide with hydrologic variation? Sigma Xi, Muncie, IN.
42. Gaston K, **Jacquemin SJ**, Lauer T. 2012. The influence of preservation on fish morphology in museum collections. Poster, American Fisheries Society, Minneapolis, MN.
41. **Jacquemin SJ**, Pyron M. 2012. Freshwater drum dietary niche and specialization in the Wabash River, USA. Poster, American Fisheries Society, Minneapolis, MN.
40. Pyron M, Etchison L, Goforth R, **Jacquemin SJ**. 2012. Fish assemblages, substrate, and current velocity of the Wabash River. Poster, American Fisheries Society, Minneapolis, MN.
39. Pyron M, Etchison L, Goforth R, **Jacquemin SJ**. 2012 Fish assemblages on a GIS map of the Wabash River. Poster, American Society of Ichthyologists and Herpetologists, Vancouver, Canada.
38. Etchison L, **Jacquemin SJ**, Pyron M, Garza A*, Taylor C. 2012. Temporal and spatial morphological variation of northern crayfish (*Orconectes virilis*). Poster, American Society of Ichthyologists and Herpetologists, Vancouver, Canada.
37. Owen D*, **Jacquemin SJ**, Doll J, Pyron M, Allen M, Lauer T. 2012. Age and growth rate of freshwater drum (*Aplodinotus grunniens*) in the Wabash River, USA. Poster, American Society of Ichthyologists and Herpetologists, Vancouver, Canada.
36. Etchison L, **Jacquemin SJ**, Pyron M, Garza A*, Taylor C. 2012. Temporal and spatial morphological variation of northern crayfish (*Orconectes virilis*). Poster, American Fisheries Society, Minneapolis, MN.
35. Dillon R, **Jacquemin SJ**, Pyron M. 2012. *Pleurocera acuta* (Raf. 1824) and *P. pyrenellum* (Conrad 1834) are small-stream ecophenotypic morphs of *P. canaliculata* (Say 1821). American Malacological Society, Cherry Hill, NJ.
34. Etchison L, **Jacquemin SJ**, Pyron M, Garza A*, Taylor C. 2012. Ecological variation of northern crayfish (*Orconectes virilis*). Poster, Society for Freshwater Science (NABS), Louisville, KY.
33. **Jacquemin SJ**, Ross B*, Pyron M. 2012. Ecological niche and morphological variation among freshwater gastropods. Poster, Society for Freshwater Science (NABS), Louisville, KY. **Excellent Reviewed Student Presentation (4.75/5)**
32. Perry WL, Jacks AM, Fiorenza D, Young M, Kuhnke R, Jonas MA, Lovgren MD, **Jacquemin SJ**. 2012. Water velocity effects on rusty crayfish size and shape relationship with performance in elevated water velocity. Society for Freshwater Science (NABS), Louisville, KY.
31. **Jacquemin SJ**, Ross B*, Pyron M. 2012. Ecological niche and morphological variation among freshwater gastropods. Poster, Indiana Academy of Sciences, Indianapolis, IN.

30. Fiorenza D, Young M, Kuhnke R, **Jacquemin SJ**, Jacks AM, Perry WL. 2012. Variation in rusty crayfish size and shape relative to habitat. Phi Sigma Biological Sciences Research Symposium, Illinois State University, Normal, IL.
29. **Jacquemin SJ**, Pyron M. 2012. Temporal variation in cyprinidae morphology – 100 years of stream alteration and evolutionary response. Poster, American Fisheries Society – Indiana Chapter, Indianapolis, IN. **Best Poster Award.**
28. Settineri A*, Owen D*, **Jacquemin SJ**, Pyron M. 2012. Morphological variation in a freshwater gastropod *Elimia livescens*: allometry and response to a benthic predator. Poster, American Fisheries Society – Indiana Chapter, Indianapolis, IN.
27. Ross B*, **Jacquemin SJ**, Pyron M. 2012. Ecological niche and morphological variation among freshwater gastropods. Poster, American Fisheries Society – Indiana Chapter, Indianapolis, IN.
26. **Jacquemin SJ**, Pyron M, Pitcher T. 2011. Evolution of mating systems in North American minnows. Midwest Fish and Wildlife Conference, Des Moines, IA.
25. Doll J, **Jacquemin SJ**. 2011. Long-term trends in fish assemblages in relation to niche breadth and habitat in the West Fork White River, Indiana. Poster, Midwest Fish and Wildlife Conference, Des Moines, IA.
24. **Jacquemin SJ**, Pyron M. 2011. Phenotypic plasticity in minnows in the past century. Poster, American Society of Ichthyologists and Herpetologists, Minneapolis, MN.
23. **Jacquemin SJ**, Pyron M. 2011. Temporal variation in cyprinidae morphology – 100 years of stream alteration and evolutionary response. Poster, Indiana Water Resources Association, Muncie, IN.
22. Perry WL, Jacks AM, **Jacquemin SJ**, Jonas MA, Lovgren MD. 2011. Rusty crayfish invasions from lakes to streams: effects of size and shape on performance in flow. Poster, North American Benthological Society, Providence, RI.
21. **Jacquemin SJ**, Pyron M, Allen M. 2011. Ecology and evolution of freshwater drum *Aplodinotus grunniens*. Poster, Southwestern Association of Naturalists, Tyler, TX.
20. Allen M, **Jacquemin SJ**, Pyron M. 2011. Historic and contemporary patterns in freshwater drum *Aplodinotus grunniens* of the Wabash River. Southwestern Association of Naturalists, Tyler, TX.
19. **Jacquemin SJ**, Pyron M, Allen M. 2011. Allometry, sexual dimorphism, and spatial variation in freshwater drum *Aplodinotus grunniens* morphology. Poster, American Fisheries Society – Indiana Chapter, Montgomery, IN.
18. Ross B*, **Jacquemin SJ**, Pyron M. 2011. Do ecological niche and morphology covary among freshwater gastropods? Poster, American Fisheries Society – Indiana Chapter, Montgomery, IN.
17. Allen M, **Jacquemin SJ**, Pyron M. 2010. Spatial and temporal changes in relative weight (Wr) and abundance of freshwater drum *Aplodinotus grunniens* in the Wabash River. Poster, Midwest Fish and Wildlife Conference, Minneapolis, MN.
16. **Jacquemin SJ**, Pyron M, Allen M. 2010. Allometry, sexual dimorphism, and spatial variation in freshwater drum *Aplodinotus grunniens* morphology. Poster, Midwest Fish and Wildlife Conference, Minneapolis, MN.
15. Allen M, **Jacquemin SJ**, Pyron M. 2010. Historical changes in relative weight (Wr) and abundance of freshwater drum *Aplodinotus grunniens* in the Wabash River. Poster, Indiana Water Resources Association, Lafayette, IN.

14. Miller C*, **Jacquemin SJ**, Pyron M. 2010. Local habitat induced variation in relative N¹⁵ and C¹³ isotopic levels of a fish community. Poster, Ball State University Student Symposium – Muncie, IN.
13. **Jacquemin SJ**, Pyron M. 2010. Spatiotemporal dynamics of Indiana stream fish assemblages after five decades of environmental change. American Fisheries Society – Indiana Chapter, Elkhart, IN. **Best Paper Award.**
12. Miller C*, **Jacquemin SJ**, Pyron M. 2010. Local habitat induced variation in relative N¹⁵ and C¹³ isotopic levels of a fish community. Poster, American Fisheries Society – Indiana Chapter, Elkhart, IN. **Best Poster Award.**
11. Dunithan A*, **Jacquemin SJ**, Pyron M. 2010. Effects of environmental variables on morphology of *Elimia livescens* populations in Indiana. Poster, American Fisheries Society – Indiana Chapter, Elkhart, IN.
10. **Jacquemin SJ**, Pyron M. 2009. Spatiotemporal dynamics of Indiana stream fish assemblages after five decades of environmental change. Midwest Fish and Wildlife Conference, Springfield, IL.
9. **Jacquemin SJ**, Pyron M. 2009. Impacts of glaciation on contemporary fish assemblages. Poster, American Fisheries Society, Nashville, TN.
8. Pyron M, Williams L, Beugly J, **Jacquemin SJ**. 2009. Taxonomy and functional groups comparisons within stream fish assemblages. Poster, American Fisheries Society, Nashville, TN.
7. Beugly J, Pyron M, Pritchett J, **Jacquemin SJ**. 2009. Long term fish assemblages of inner bends in a large river. Poster, American Fisheries Society, Nashville, TN.
6. Pyron M, Williams L, Beugly J, **Jacquemin SJ**. 2009. Detection of stream fish assemblage structure using taxonomy and functional groups. Poster, American Society of Ichthyologists and Herpetologists, Portland, OR.
5. **Jacquemin SJ**, Pyron M. 2009. Impacts of glaciation on contemporary fish assemblages. American Fisheries Society – Indiana Chapter, Indianapolis, IN. **Best Paper Award.**
4. Beugly J, Pyron M, **Jacquemin SJ**, Pritchett J. 2009. Mortality of small-bodied Cyprinids in a mark recapture study. Poster, American Fisheries Society – Indiana Chapter, Indianapolis, IN.
3. **Jacquemin SJ**, Pyron M. 2008. Impacts of glaciation on contemporary fish assemblages. Midwest Fish and Wildlife Conference, Columbus, OH.
2. Beugly J, Pyron M, **Jacquemin SJ**, Pritchett J. 2008. Mortality of small-bodied Cyprinids in a mark recapture study. Poster, Midwest Fish and Wildlife Conference, Columbus, OH.
1. Willmore-Fordham C, Krall D, Matosky J, Tabar R, **Jacquemin SJ**, Cooper A, Burleson P. 2007. Adolescent rats exposed to amphetamine manifest learning and memory deficits as drug free adult animals. Society for Neuroscience, CA.

SPONSORED DEPARTMENTAL AND COLLEGE SEMINAR SPEAKERS

2014. Dr. Jason C. Doll, Ball State University, Aquatic Biology and Fisheries Center. Fall 2014. History and management of walleye (*S. vitreus*) in Indiana reservoirs.
2013. Dr. Judy Westrick, Wayne State University, Lumigen Instrumentation Center. Fall 2013. Cyanotoxins and drinking water quality treatment.

GRANTS

- 2022-2023 Ohio Water Resources Center. Modeling Total Microcystin Concentrations in Grand Lake St Marys During a Period of Exceedingly Low External Runoff. Co Investigator with S Newell (Co-PI) and J Doll (Co-PI) - \$62,733. *Funded.*
- 2021-2023 Ohio Department of Higher Education – Harmful Algal Bloom Research Initiative. Using Stable Isotope Methods to Differentiate Among Agricultural Inorganic Phosphate Sources Seek Patterns of Addition within the Grand Lake St Marys Watershed. CO Investigator with M Marshall (PI) and A Jaqueth (CO-I) - \$64,290. *Funded.*
- 2020-2025 Ohio Department of Natural Resources – Wetland Monitoring Initiative. H2Ohio Wetland Monitoring Program. CO Investigator with S Newell (PI) - \$254,724. *Funded.*
- 2020-2021 Ohio Sea Grant. Rapid Mobilization to Establish Baseline Conditions and Assess Post-Treatment Effects of an Imminent (April 2020) Alum Application. CO Investigator with M McCarthy (PI) and S Newell (CO-I) - \$10,000. *Funded.*
- 2020 Western Ohio Educational Foundation. Lake Campus Research Symposium Implementation and Logistics - \$1,000. *Funded.*
- 2019 US Environmental Protection Agency. STAR Program: Approaches to Reduce Nutrient Loadings for Harmful Algal Blooms Management. Stream and Littoral Wetlands to Reduce Nutrient Loading to Mitigate HABs and HAB Toxins in Grand Lake St Marys, Ohio - \$726,404 (Project Collaboration with Virginia Tech, Wayne State University, and Francis Marion University; total – 3 years). *Not Funded.*
- 2019 Wright State University – Lake Campus Research Initiative Grant. Floating Wetlands: A Novel Approach to Habitat Restoration and Water Quality Improvements - \$1,600. *Funded.* Co-Principal Investigators: Jaqueth, Jacquemin
- 2020-2021 National Science Foundation. NSF-RAPID-Collaborative Research: Targeted Sampling of an Unanticipated Harmful Algal Bloom in Lake Anna, Virginia with Aerial and Aquatic Robots – WSU Budget \$27,608 (Project collaboration with Virginia Tech and Wayne State). *Funded.*
- 2019-2023 Blanchard River Demonstration Farms Network. Ohio Farm Bureau. Nutrient and Sediment Retention Potential of a Saturated Buffer in Grand Lake St Marys Watershed - \$61,468 (total – 3 years). *Funded.*
- 2019 Western Ohio Educational Foundation. Lake Campus Research Symposium Promotion and Expansion - \$1,000. *Funded.*
- 2019 Wright State University – Lake Campus Research Initiative Grant. Student Led Project. On the Potential for Wetlands to Remove Harmful Microbes - \$500. *Funded.* Undergraduate Student Investigators: Axe, Kinney, Ewing, Schmersal, Danylchuk, Jacquemin (Advisor).
- 2018 Wright State University – Lake Campus Research Initiative Grant. Design and Development of a Customizable and Low-Cost Water Quality Monitoring Platform for Grand Lake St. Marys - \$2,000. *Funded.* Co-Principal Investigators: Wang, Hance, Johnson, Attariani, Jacquemin.

- 2018 CURES Pilot Project Program. Wayne State University. Collection of Fish Tissue from Grand Lake St Marys Fish Assemblage to Test for Microcystin Accumulation - \$5,471 (total – 1 year). *Funded*. Collaborators include Judy Westrick (Director of Wayne State Lumigen Institute).
- 2017-2022 St. Marys Community Foundation. Non-profit. Nutrient and Sediment Retention Potential of Treatment Trains in the Grand Lake St Marys Watershed. - \$181,234 (total – 6 years). *Funded*. Collaborators include Theresa Dirksen (Mercer County Development Office).
- 2017-2019 Ohio EPA. Great Lakes Restoration Initiative (GLRI): Maumee River Sediment and Nutrient Reduction Project. Nutrient and Sediment Retention Potential by Controlled Pond and Riparian Tile Buffer Systems. - \$96,783 (total – 3 years). R/ER-WRIGHT-FDSEDM14. *Funded*. Collaborators include Greg McGlinch (Ohio State University) and Theresa Dirksen (Mercer County Development Office).
- 2017 Wright State University – Lake Campus Research Initiative Grant. Publication Expenses - \$1,823. *Funded*.
- 2017 Wright State University – Lake Campus Research Initiative Grant. Publication Expenses - \$750 (*Graduate Student Publication). *Funded*.
- 2016 Ohio Sea Grant. Swimming Performance of Great Lakes Minnows and Darters (PI) - \$15,964 (total including match). R/ER-119-PD. *Funded*.
- 2015 Wright State Student Success Centered Mini Grant – Travel expenses for undergraduate presentation at 2016 Midwest Fish and Wildlife Conference - \$500 . *Funded*.
- 2015 Wright State Student Success Centered Mini Grant – Travel expenses for graduate presentation at 2016 Midwest Fish and Wildlife Conference - \$500. *Funded*.
- 2015 Ohio Department of Natural Resources Equipment Grant (Donation) – Smith-Root Electrofisher System (5.0GPP) Approximate Value \$10,000
- 2015 Wright State University – Lake Campus Scholarly Publication Expenses Grant - \$1,560. *Funded*.
- 2014 Wright State University – Lake Campus Internal Student Research Grant - \$2,000. Flow chamber for swimming performance of Cyprinidae. *Funded*.
- 2014 Wright State University – Lake Campus Internal Faculty Research Grant - \$1,000. Microscopy of small bodied Cyprinidae. *Funded*.
- 2014 EPA Proposal. Systems-Based Strategies to Improve the Nation’s Ability to Plan and Respond to Water Scarcity and Drought Due to Climate Change. EPA-G2014ORDL1. WSU-LC Budget \$30,000. *Submitted – Not Funded*
- 2013 Proposal to Sample and Quantify Macroinvertebrate and Fish Communities on Triad Mining, Inc. Properties (Co PI) - \$6,000
- 2012 National Geographic Society, Proposal to Quantify ‘Variation in Head Morphology and Body Condition of the Pacific Rattlesnake *Crotalus oreganus* with Varying Prey’ (Co PI) - \$5,000 *Submitted – not funded*
- 2012 Proposal to Sample and Quantify Macroinvertebrate and Fish Communities on Triad Mining, Inc. Properties (Co PI) - \$5,000
- 2011 Proposal to Sample and Quantify Macroinvertebrate and Fish Communities on Triad Mining, Inc. Properties (Co PI) - \$7,000

2010	Ball State University Internal Research Grant (PI) - \$750
2009	Ball State University Internal Research Grant (PI) - \$500
2008	Ball State University ASPiRE Research Grant (PI) - \$500
2004-2008	Ohio Northern University Trustee Recognition Award

SERVICE

UNIVERSITY

University Committees

2022-2023	University Strategic Planning Committee – Research Section - Member
2014-2021	Research Council (Scholarship and Sponsored Research Comm)– Member
2020-2021	COVID 19 Return to Research University Sub-Committee-Member
2019-2020	Graduate Curriculum – Member
2014-2021	Outside Interest Committee – Member
2018	Provost Search Committee – Member
2014-2017	Undergraduate Research Initiative – Member

College Faculty Governance

2013-present	Lake Campus Faculty Senate - Member
2018-2019	Lake Campus Faculty Senate President – <i>President</i> (elected)
2017-2018	Lake Campus Faculty Senate President Elect – <i>President Elect</i> (elected)
2014	Lake Campus Faculty Senate Secretary - <i>Secretary</i> (elected)

College Committees

2021	Lake Campus Research Initiative – Chair (2015-2021), Member
2020	Lake Instructor of Engineering Hiring Committee – Member
2017	Lake Senior Lecturer Promotion Committee – Member (appointed)
2016-19, 21	Promotion and Tenure Committee – Member (elected)
2016-21	Governance & Bylaws Committee – Chair (2016-18), Member (2018-21)
2016	Lake Campus Faculty Awards Committee – Chair
2015-16	Lake Campus Space Committee (Ad-hoc) – Member
2015	Lake Campus Student Success Coordinator Hiring Committee – Member
2015	Lake Campus Instructor (Nursing Educator) Hiring Committee – Member
2015	Lake Campus Instructor (Biological Sciences) Hiring Committee – Chair
2014-21	Lake Campus Governance and Bylaws Committee – Member
2014-15	Lake Campus Research Assistant Hiring Committee – Chair
2014	Lake Campus Commencement Committee – Member
2014, 19	Lake Campus Commencement – Orator
2013-14	Lake Campus Curriculum Committee - Member

Campus Miscellaneous Service

2020	LakerStrong Calling Campaign – Participant (Responsibilities included reaching out to students to foster recruitment and retention efforts)
2016-2017	Agricultural and Water Quality Building Planning Committee – Member

2013-present Lake Campus Vertebrate and Invertebrate Museum – Curator
(Responsibilities include maintenance and digitization of museum infrastructure and specimen inventory of neontological specimens)

University Advertisement, Promotion, and Interviews

2022 Media Recording. Water Quality and Lake Campus Promotion. Live interview segments for broadcast on WCSM Radio (4/18/22).

2022 Article. Wright State Magazine. *Innovation at Wright State University*. Article by Jessica Graue.

2022 Article. Wright State Newsroom. *Wright State Lake Campus graduate Ben Strang works on the high seas for NOAA*. Article by Hannah.

2019 Article. Wright State Newsroom. *Lake Campus collaborates in water quality project that draws researchers from around the nation*. Article by Hannah.

2019 Interview. Wright State Newsroom. *Lake Campus wetlands expert Stephen Jacquemin meets with governor's group*. Article by Hannah.

2018 Article. Wright State Newsroom. *Lake Campus efforts to address water quality recognized by governor*. Article by Mihalek.

2018 Interview. Wright State Newsroom. *Wetlands system, water quality study focus of national attention on Lake Campus researchers*. Article by Hannah.

2016 Television Commercial. WSU Lake Campus Promotional Video. Recorded segments as part of local television advertisement for the campus.

2016 Graduate Student Interview – Anthony Bell, M.Sc. Wright State Newsroom. *Reel Happiness: Wright State Graduate Student Anthony Bell Combines Aquatic Research with Championship Fishing*. Article by Hannah.

2015 Interview. Wright State University. Presidential Award for Faculty Excellence Interview and Newsroom Article.

2014 Interview. Wright State Newsroom. *Fishing Expedition: Biologist Stephen Jacquemin brings worldly experience to quest for new generation of nature lovers*. Article by Hannah.

2014 Media Recording. WSU Lake Campus Student Orientation Video. Recorded segment pertaining to student responsibility for student orientation.

2013 Media Recording. WSU Lake Campus Fall Radio Announcements. Recorded campus promotional segments for broadcast on Ohio radio.

STUDENT ORGANIZATION ADVISEMENT

2013-2015 Co-Founder and Advisor. **Natural Sciences Society**. Club includes ~8-16 students at any time. Past club activities have included hosting speakers, field techniques demos, museum visits, and community outreach.

PROFESSIONAL

Professional Societal Leadership Positions

2021-Current H2Ohio LEARN Wetland Monitoring Project. Local Site Coordinator.

2017-2020 Transforming Drainage Project. Saturated Buffer and Drainage Water Recycling Technical Committee Member and Local Site Coordinator

2011-2017 Indiana American Fisheries Society. River and Streams Technical Committee – Chair

Professional Conference Development

2015 Wright State Student Success Symposium. Session Volunteer
 2015 Midwest Fish and Wildlife Conference. Session Volunteer
 2010-2015 Indiana American Fisheries Society. Session Volunteer

Invited Textbook Reviewer

2017. McGraw-Hill - Ecology: Global Insights and Investigations (P. Stiling, Author)

Invited Database Information System Reviewer

2021. National Oceanic and Atmospheric Administration. Great Lake Aquatic Nonindigenous Species Information System (GLANSIS). *Elimia livescens*.

Invited Journal Article Reviewer (# denotes total manuscripts reviewed over years)

American Midland Naturalist, 2011-2015 (5); Annales Zoologici Fennici, 2016 (2); Aquatic Sciences, 2018 (2); Biological Journal of the Linnean Society, 2011, 2013 (3); Ecology and Evolution, 2017-2018 (3); Ecology of Freshwater Fish, 2010, 2014-2015 (4); Environmental Biology of Fishes, 2010 (1); Environmental Monitoring and Assessment, 2018, 2021 (2); Evolutionary Ecology, 2014 (1); Fisheries, 2016 (1); Fisheries Science, 2017 (1); Freshwater Science, 2015-2016, 2018 (6); Global Change Biology, 2011 (1); Global Ecology and Conservation, 2021-2022 (2); Hydrobiologia, 2014-2015, 2020 (3); Hydrological Sciences Journal, 2017 (1); Journal of Biogeography, 2010, 2013, 2016-2017 (4); Journal of Freshwater Ecology, 2020 (1); Journal of the Arkansas Academy of Science, 2014 (1); Journal of the Pennsylvania Academy of Science, 2018, 2020 (2); Journal of Vertebrate Paleontology, 2019 (2); Malacologia, 2021 (1); North American Journal of Fisheries Management, 2017-2018 (2); PLOS ONE, 2014 (1); Proceedings of the Indiana Academy of Sciences, 2019 (1); The Ohio Journal of Science, 2016, 2018-2019 (7); Transactions of the American Fisheries Society, 2019 (1); The Prairie Naturalist, 2019 (1); Zoologica Scripta, 2020 (1).

Invited Grant Review Panel Member

National Geographic Society, 2012 (1 Grant Proposal)
 Ohio Water Resources Center, 2020 (1 Grant Proposal)

Invited Outside University Promotion and Tenure Evaluations

2019. Ohio University – Lancaster Regional Campus. Promotion and Tenure Committee

Invited Professional Panel Participant

2022. Ohio State University Extension. Water Quality Wednesday Panel Discussion. Controlled Drainage. Webinar Format (Online).
 2022. H2Ohio LEARN Wetland Monitoring Group Conference and Stakeholder Presentation (4 days).

2020. Lake Erie Nutrient Pollution Science Discussion. Joint meeting with several members of academia, non-governmental agencies, Ohio State Directors (DNR, ODA, EPA) to discuss status of Lake Erie eutrophication and solutions.
2020. US Environmental Protection Agency. Office of Inspector General. Joint discussion panel with members of federal EPA regarding nationwide situation and potential solutions pertaining to harmful algal blooms. Work resulted in *EPA Needs an Agencywide Strategic Action Plan to Address Harmful Algal Blooms – 21-E-0264*.
2019. Lake Erie Nutrient Pollution Science Discussion. Joint meeting with several members of academia, non-governmental agencies, Ohio State Directors (DNR, ODA, EPA), and the State Governor (M. DeWine) to discuss status of Lake Erie eutrophication and solutions. Governor’s Residence (Columbus, OH).
2018. Ecological Engineering of Sustainable Landscapes to Protect Downstream Aquatic Ecosystems. Joint panel discussion with members of academia and agencies to discuss science and policy making decisions surrounding nutrient loading. NALMS Meeting (Cincinnati, OH).

COMMUNITY AND PUBLIC OUTREACH

Activities and Events

- 2022 Invited Speaker. Lake Restoration Commission – State of Ohio Natural Resource Directors Meeting (Celina, OH). ‘GLSM: Building on Success’.
- 2022 Invited Speaker. Lake Improvement Association (Celina, OH). ‘Spring 2022 Updates and the Year Ahead’.
- 2022 Celina Primary School Presentation – Mrs. Frohm’s First Grade Class Day on Salt Water vs Fresh Water. Included classroom demonstrations and discussions about conservation, freshwater resources, habitats, and organisms (Celina, OH).
- 2022 Invited Speaker. Lake Improvement Association (Celina, OH). ‘Watershed Wetland Performance Overviews and Planning for 2022’.
- 2021 Invited Speaker. Lake Improvement Association (Celina, OH). ‘Grand Lake St Marys – 2021 Year in Review’.
- 2021 Invited Speaker. Soil and Water Conservation District (Mercer Co., OH) Ag Education Series. ‘Grand Lake St Marys – 2021 Year in Review’.
- 2021 Invited Speaker. Rotary Club (St Marys and Celina) Meeting. ‘Importance of Lab Experiences in Undergraduate Education’. Wright State Lake Campus.
- 2021 Activity Guide and Speaker. ‘Nature and Restoring Wetlands’. Mercer County Ohio Girl Scouts of America Group.
- 2021 Invited Speaker. Local Business Roundtable Event (Celina, OH). ‘State of the Lake (GLSM) – Where We Are in Watershed Restoration’
- 2021 Invited Speaker. Lake Improvement Association (Celina, OH). ‘Long Term Variation in Grand Lake St Marys Fishes’
- 2021 Invited Speaker. Lake Improvement Association (Celina, OH). ‘Water Quality Updates in the Grand Lake St Marys Watershed’
- 2020 Invited Speaker. Lake Improvement Association (Celina, OH). ‘Water Quality Updates in the Grand Lake St Marys Watershed’

- 2020 Invited Speaker. Beaver Creek Wetlands Association. Annual Meeting (Dayton OH). ‘Wetland Restoration and Grand Lake St Marys Water Quality’ *Shifted to Online Presentation Due to COVID-19 Pandemic*.
- 2020 Raider Biologists Protect Ohio Waterways. Featuring David Nolin and Stephen Jacquemin. Sponsor: Friends of Wright State University Libraries. ‘Freshwater Conservation for the Future’. *Event Cancelled Due to COVID-19 Pandemic*.
- 2019 Invited Speaker and Natural Resource Expert. St Marys Middle School (St Marys, OH). ‘Regional Water Quality Improvements Around Grand Lake St Marys’.
- 2019 Guide and Speaker. ‘Importance of the Environment’. Darke County Ohio Scouts of American Group Visiting WSU Lake Campus.
- 2019 Invited Speaker. Rotary Club Meeting (St Marys, OH). ‘Water Quality in Grand Lake and the Importance of Wetlands’.
- 2019 Natural Resources Guide and Speaker. Bethany School (Cincinnati, OH). ‘Tour of Water Quality Improvements Around Grand Lake St Marys’.
- 2019 Natural Resources Content Expert. Ohio Envirothon (Soil and Water Conservation District – Area IV). ‘Water Resource Management’.
- 2019 Invited Speaker. Lake Improvement Association (Celina, OH). ‘Water Quality Updates in the Grand Lake St Marys Watershed’.
- 2019 Natural Resources Guide and Speaker. Local Mercer County Fairgrounds Ripple Project. ‘Tour of Water Quality Improvements Around Grand Lake St Marys’.
- 2019 Invited Speaker. Rotary Club Meeting (Wapakoneta, OH). ‘Improving Water Quality in Grand Lake’.
- 2019 Invited Speaker. ‘Changes, Improvements, and a Path Towards Improved Water Quality in Grand Lake St Marys’. Fertilizer Recertification Program. Ohio State University Extension. Two Part Speaking Series – January and March 2019.
- 2018 Invited Speaker. ‘Emerging Technology for Improving the Environment’. New York FFA Group Visiting WSU Lake Campus.
- 2018 Content Expert and Volunteer. Shelby County Ohio Pioneer Days (Shelby Co, OH). Provided materials and activities - ‘Wetlands: Past and Present’ – for event.
- 2018 Site Host and Invited Speaker. Our Land, Our Water, 2018 Farm Tour (Celina, OH). ‘Lake Campus Water Quality Research Lab’.
- 2018 Invited Speaker. Lake Improvement Association (Celina, OH). ‘Water Quality Updates in the Grand Lake St. Marys Watershed’.
- 2018 Invited Speaker. Soil and Water Conservation District (Mercer Co., OH) Ag Breakfast. ‘Emerging Watershed Based Conservation Practices and their Potential to Mitigate Nutrient Runoff’.
- 2018 Event Organizer (with G. McGlinch and T. Dirksen). Ohio Farm Bureau Grand Lake Water Quality Tour.
- 2018 Invited Speaker. Rotary Club Meeting (St. Marys, OH). ‘Water Quality Overview of Grand Lake St. Marys Watershed’.
- 2018 Lake Campus Open House Speaker (Celina, OH). ‘Life at the Lake: Advice for Students from the Faculty Perspective’.
- 2018 Invited Speaker. Anna Young Farmers Meeting (Anna, OH). ‘Water Quality Regulations...Are They Working?’.
- 2018 Invited Speaker. Ag Solutions Meeting (Celina, OH). ‘Nutrient Removal Potential of Grand Lake St Marys Constructed Wetlands’.

- 2017 Invited Speaker. Rotary Club Meeting (Celina, OH). ‘Water Quality Conservation Practices in Grand Lake St. Marys Watershed’.
- 2017 Invited Speaker. Lake Improvement Association (Celina, OH). ‘Water Quality Initiatives and Improvements in the Grand Lake St. Marys Watershed’.
- 2017 Invited Speaker. Our Land, Our Water, 2017 Farm Tour (Celina, OH). ‘Regional Water Quality Initiatives in the Grand Lake St. Marys and Lake Erie Basins’.
- 2017 Invited Speaker. Rotary Club Meeting (Celina, OH). ‘Water Quality Changes and Shifts in Grand Lake St. Marys Watershed over the Past Decade’.
- 2017 Invited Speaker. Ag Solutions Meeting (Celina, OH). ‘Changes in Water Quality of Grand Lake St Marys Watershed Following Implementation of a Manure Application Ban’.
- 2016-2017 Content Expert and Museum Loan Curator. District FFA Meeting (*Agricultural Education*), Topic Area: Freshwater Fish Identification (NW Ohio)
- 2016-2017 Volunteer Judge. Mercer & Auglaize Counties Science Fair (OH District 6)
- 2016 Volunteer Reviewer – Content Expert – Secondary Level Students – Biological Sciences Inventory (S-CBI) (Ohio State University sponsored project)
- 2015 Bring Our Daughter & Sons to Work Day Presentation – Organized field trip to Grand Lake St. Mary’s and demonstrated fish collection methods while explaining the importance of water quality to the attending youth (Celina, Ohio)
- 2014 Career Exploration Day Speaker – Biology career speaker for high school students interested in pursuing life sciences (Wright State– Lake Campus, Ohio)
- 2014 Saint Christopher School (Vandalia, Ohio) Presentation – Ms. Michael’s third grade class day on reptile diversity. Included classroom demonstrations and discussions with field trip to Aullwood Audubon Center (Dayton, Ohio)
- 2014 Invited Participant and Activity Judge – District FFA Meeting (*Agricultural Education*), Topic Area: Freshwater Fish Identification (NW Ohio)
- 2011 Community Organizer and Volunteer – Girl Scouts of America Explore Science Day! (Ball State University, Indiana)
- 2010 Community Speaker - ‘Exploring Biological Diversity in the White River’ (Muncie, Indiana)
- 2009-2013 Committee Judge - East Central Indiana Regional Science Fair
- 2006 U.S. Fish and Wildlife Service Volunteer – Southeastern Region – Okefenokee National Wildlife Refuge, Georgia – Organized outreach activities such as fish identification workshops, guided interpretation of environmental and cultural history, museum display creation, summer camp counselor, and visitor service duties. 500 Volunteer Hour Award Recipient

Media and Press Coverage

- 2022 ‘More than a Job. It’s a Career: WSU Lake Campus Grads Set Example’. The Daily Standard. Celina, Ohio Newspaper. April 8, 2022.
- 2022 ‘Looking at what Lies Ahead for Grand Lake St. Marys’. The Evening Leader. St Marys, Ohio Newspaper. February 8, 2022.
- 2022 ‘Lake’s 2021 Toxic Algae Blooms to be Researched’. The Daily Standard. Celina, Ohio Newspaper. February 7, 2022.

- 2022 'Restored Wetlands, Water Quality Monitoring Efforts and Promising Applied Research Results at Grand Lake St Marys'. Wetland Trumpeter (Ohio Wetlands Association). Newsletter – Fall/Winter 2021/2022.
- 2021 Media Recording. 'Wetlands Restoration at Grand Lake St Marys, Ohio'. Videography, promotion, and publication by Blanchard River Farms Demonstration Project. Video Length: 2 videos totaling ~5 minutes. Video Publication Outlet: YouTube - [youtube.com/watch?v=edk6WezWRrY](https://www.youtube.com/watch?v=edk6WezWRrY).
- 2021 'Grand Lake St. Marys Wetland Recreation'. Wetland Trumpeter (Ohio Wetlands Association). Newsletter – Summer 2021.
- 2021 'Grand Lake St. Marys Water Quality Improving'. Spectrum News 1 (Cable Television and Media Outlet) June 13, 2021.
- 2021 'Algae from 2010 Reappears on Lake'. The Daily Standard. Celina, Ohio Newspaper. June 12, 2021.
- 2021 'Lake No-Contact Advisory REMOVED'. The Daily Standard. Celina, Ohio Newspaper. May 27, 2021.
- 2021 'Expert: Fish Species Could be Restored'. The Daily Standard. Celina, Ohio Newspaper. April 12, 2021.
- 2020 'New Practices to Improve Water Quality at Work in Mercer County'. Ohio's Country Journal. September 16, 2020.
- 2020 'Saturated Buffer Research Tests Nutrient Relocation'. Ohio's Country Journal (Video Report). August 24, 2020.
- 2020 'West Beach Gets Floating Experiment: Officials Hope Wetlands Stanch Blue-Green Algae'. The Daily Standard. Celina, Ohio Newspaper. July 29, 2020.
- 2019 'Grand Lake St. Marys Water Quality Makes Progress, but more Efforts Needed'. Your Hometown Stations (Fox, CBS, NBC, ABC). December 4, 2019.
- 2019 'Lake Cleanup Attracts Attention'. The Daily Standard. Celina, Ohio Newspaper. November 7, 2019.
- 2019 'As Green Algae Forces Beaches to Close, Ohio Lake Offers Hope'. The Wall Street Journal. September 18, 2019.
- 2019 'Grand Lake St. Marys Sees Seven Year Low in Bacteria Levels'. Your Hometown Stations (Fox, CBS, NBC, ABC). August 3, 2019.
- 2019 'Experts Warn Against Toxic Algae Ahead of July 4th Holiday'. Fox 45 Now, ABC 22 Now. Dayton, Ohio Television News Networks. July 2, 2019.
- 2019 'Toxin Levels Still High at Grand Lake St. Marys'. Fox 45 Now, ABC 22 Now. Dayton, Ohio Television News Networks. May 2, 2019.
- 2018 'Grand Lake St. Marys Management Practices Improving Water Quality'. Environmental Monitor. Published by Fondriest. June 8, 2018.
- 2018 'Expert Sees Promise in Curbing Algae'. The Daily Standard. Celina, Ohio Newspaper. August 3, 2018.
- 2018 'Sediment and Nutrient Loading Progress Being Made in Grand Lake St Marys'. Ohio's Country Journal. May 28, 2018.
- 2017 Grand Lake St. Marys Media Day. Attended by Dayton Daily, Daily Standard, Evening Leader, and media affiliates of Fox, CBS, and NBC. December 7, 2017.
- 2017 'A Fish that Everyone Carps About'. The Daily Standard. Celina, Ohio Newspaper. September 23, 2017.

- 2017 'Local Project Tests New System Designed to Curb Farm Runoff'. The Daily Standard. Celina, Ohio Newspaper. July 29, 2017.
- 2017 'Experts Say Years are Needed to Restore Grand Lake St. Marys'. Fox45Now. Dayton, Ohio Television News Networks. July 20, 2017.
- 2017 'Cleaning Up Grand Lake St Marys'. Your Hometown Stations (Fox, CBS, NBC, ABC). Lima, Ohio Television News Networks. July 16, 2017.
- 2017 'Manure Data Shows Ban Results Promising'. The Evening Leader. St. Marys, Ohio Newspaper. July 11, 2017.
- 2017 'Data Reveal Winter Manure Application Ban Reduces Runoff'. The Daily Standard. Celina, Ohio Newspaper. July 11, 2017.
- 2016 'Students Kick Off Fish Study'. The Evening Leader. St. Marys, Ohio Newspaper. July 1, 2016.
- 2016 'Campus Snags Fish Study Grant'. The Daily Standard. Celina, Ohio Newspaper. July 6, 2016.

Community Organizations and Memberships

- 2016-present Lake Restoration Committee. Volunteer Member
Initiatives have included assisting with planning a strategic vision and approach for improving water quality throughout the Grand Lake St Marys watershed as well as organizing and leading ecological data collection.
- 2001 Boy Scouts of America. Eagle Scout. Bronze and Gold Palm Awards.
Major community service included service group organization and restoration of a park amphitheater at the Delaware State Park, Delaware Ohio.

ADMINISTRATIVE

Lake Campus College Research Coordinator (2015-2021)

POSITION DESCRIPTION

Created and led the Lake Campus Research Initiative, which serves to foster and encourage Lake Campus faculty communication, collaboration, and involvement regarding scholarly activities. Specific activities included sponsoring research workshops, encouraging collaboration between faculty, organizing and implementing a college level internal grant program for both faculty and student research support, creating a Lake Campus research information webpage, publishing calendar year research reports summarizing all scholarly activities for the entire college, and organizing the annual research symposium which served as an important college level creative outlet for faculty and students to share scholarship.

UNIVERSITY EVENTS

- 2021 Lake Campus Annual Research Symposium.
44 student & faculty abstracts submitted. Event held online amid COVID-19 Pandemic.
- 2020 Lake Campus Annual Research Symposium.
43 student & faculty abstracts submitted. Event held online amid COVID-19 Pandemic.
- 2019 Lake Campus Fall Research Seminar Series.
Seminar series on research & teaching. Attended by 40+ faculty, staff, and students.

- 2019 Lake Campus Annual Research Symposium.
40 student & faculty abstracts submitted. Event attended by over 275 people.
- 2018 Lake Campus Annual Research Symposium.
37 student & faculty abstracts submitted. Event attended by over 250 people.
- 2017 Lake Campus Annual Research Symposium.
30 student & faculty abstracts submitted. Event attended by over 200 people.
- 2016 Lake Campus Annual Research Symposium.
23 student & faculty abstracts submitted. Event attended by over 150 people.

UNIVERSITY REPORTS

- 2021 Wright State University – Lake Campus 2020 Annual Scholarly Review.
- 2020 Wright State University – Lake Campus 2019 Annual Scholarly Review.
- 2019 Wright State University – Lake Campus 2018 Annual Scholarly Review.
- 2018 Wright State University – Lake Campus 2017 Annual Scholarly Review.
- 2017 Wright State University – Lake Campus 2016 Annual Scholarly Review.
- 2016 Wright State University – Lake Campus 2015 Annual Research Report.