

Dr. Scott A. Grubbs

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WKU: <http://www.wku.edu/biology/staff/index.php?memberid=2471>

Google Scholar: <http://scholar.google.com/citations?hl=en&user=UPguuVUAAAAJ>

ResearchGate: https://www.researchgate.net/profile/Scott_Grubbs?ev=hdr_xprf

EDUCATION

Ph.D. 1998 University of Pittsburgh, Department of Biological Sciences.

"Linkages between a riparian forest and an Appalachian Mountain stream"

B.S. 1990 Central Michigan University, Department of Biology

PROFESSIONAL EXPERIENCE

2011 – present Professor, Western Kentucky University, Department of Biology

2005 – 2011 Associate Professor, Western Kentucky University, Department of Biology

2002 – present Director, Center for Biodiversity Studies, Western Kentucky University

2001 – 2015 Co-Director, WKU Upper Green River Biological Preserve

1999 – 2005 Assistant Professor, Western Kentucky University, Department of Biology

1997 Instructor, Pennsylvania State University - McKeesport, Department of Biology

1997 Instructor, University of Pittsburgh, Department of Biological Sciences

1990 – 1996 Graduate Teaching Assistant, University of Pittsburgh, Department of Biological Sciences

1988 – 1990 Research Technician (summers only), Division of Water Pollution Control, Massachusetts Department of Environmental Protection

TEACHING

Courses taught recently/currently:

Undergraduate

BIOL 122 (Biological Concepts: Evolution, Diversity & Ecology), **BIOL 224** (Animal Biology & Diversity), **BIOL 316** (Evolution), **BIOL 489** (Professional Aspects of Biology)

Joint Undergraduate/Graduate

BIOL 405/G (Aquatic Insect Diversity), **BIOL 497/G** (Aquatic Field Ecology)

Graduate

BIOL 500W (Introduction to Graduate Studies and Research), **BIOL 505W** (Aquatic Insect Ecology), **BIOL 543W** (Environmental Science Concepts)

UNIVERSITY SERVICE**University**

Active – Director, Center for Biodiversity Studies (2008–present)
Ogden College representative, University Curriculum Committee (2021–present)

Past – CAPE Transformation Review Committee (2020)
CAPE University Committee (2018–2019)
Bi-term Scheduling Taskforce (2012)
Co-Director, WKU Upper Green River Biological Preserve (2002–2015)
Ogden College representative, University Curriculum Committee (2008–2013; 2018–2019)

College

Active – Biology representative, Ogden College Undergraduate Curriculum Committee (2021–present)
Biology representative, Ogden College Graduate Curriculum Committee (2021–present)

Past – Biology representative, Ogden College Undergraduate Curriculum Committee (2008–2013)
Advisor, Environmental Science program (1999–2012)
ad hoc Environmental Studies Curriculum Committee (2000–2001)

Department

Active – Biology Advisory Committee (2020–present)
Biology Assessment Committee (2018–present)
Graduate Curriculum Committee (**Chair**, 2018–present)
Graduate Program Committee (2004–2009; 2010–2012; 2018–present)
Mentoring Committee – Dr. Natalie Mountjoy (**Coordinator**, 2018–present)

Past – Scheduling and Load Committee (2001–present; **Chair**, 2007–present)
 Undergraduate Curriculum Committee (2002–present; **Chair**, 2009–present)
 Biology Building Committee (2014–2019)
 Microbiologist Search Committee (2014–2015)
 Mentoring Committee – Dr. Michael Collyer (**Coordinator**, 2012–2015)
ad hoc Student Internship Committee (2011–2012)
 Biostatistics Search Committee (2011–2012)
 Executive Committee (2008–2010)
 Departmental Head Search Committees (2000–2001; 2008–2009)
 Fish Biologist Search Committee (**Chair**, 2000–2001)
ad hoc Assessment Examination Committee (2000–2001)

STATE-LEVEL SERVICE

Past – Kentucky Academy of Science, Chair – Ecology and Environmental Science Section (2007–2008, 2012)
 Kentucky Academy of Science, Secretary – Ecology and Environmental Science Section (2006, 2011)
 Kentucky Statewide EPA EPSCoR Subcommittee Member and co-Project Director (2000–2005)

PROFESSIONAL MEETING ORGANIZATION, WORKSHOPS, and INVITED SEMINARS

Meeting organizer

May 2019: Co-meeting Organizer, North America Plecoptera Symposium, Dixon Springs, IL

Stonefly workshops

May 2017: Society for Freshwater Science Annual Meeting, Raleigh, NC

September 2015: Cincinnati Museum Center, Edge of Appalachia Preserve, OH

Seminars

February 2016: Ohio State University, Department of Entomology

October 2015: Belmont University, Department of Biology

APPOINTMENTS

Co-Subject Editor - Plecoptera, Zootaxa (2021–present)

- 2021 – as Editor, 7 manuscripts handled and published, 1 in suspended status
- 2022 – as Editor, 12 manuscripts handled and published, 2 in review status

Advisory Board, Illiesia–International Journal of Stonefly Research (2016–2020)

HONORS AND AWARDS

2015: WKU Ogden College Faculty Award for Research/Creativity

2012: Biodiversity Protection Award, Kentucky State Nature Preserves Commission

1990: Graduated Cum Laude, Central Michigan University

1986–1990: Dean's List, Central Michigan University (6 of 8 semesters)

DIRECTED STUDENT RESEARCH: Chair – Masters & Undergraduate Honors Students

Master's Thesis students – in progress

19. Josie Griffith, MS Biology, May 2024 (anticipated): Assessing regional responsibility of Plecoptera (Stoneflies) across the U.S. Fish and Wildlife Service regions.

18. Madison Layer, MS Biology, **May 2023** (anticipated): Systematics of the *Leuctra ferruginea* (Walker, 1852) species group (Plecoptera: Leuctridae).

Master's Thesis students – completed

17. Phillip Hogan, MS Biology, **August 2021**. Predictive distributional modeling of rare and uncommon stoneflies (Insecta: Plecoptera) of the central Appalachian Mountains using Maximum Entropy.

<https://digitalcommons.wku.edu/theses/3522>

Outstanding Biology Graduate Student – 2021

16. Taylor McRoberts, MS Biology, **May 2020**. The stoneflies (Insecta, Plecoptera) of the Mammoth Cave region: assessing patterns of species richness, commonness vs. rarity, and affinities with available habitats.

<https://digitalcommons.wku.edu/theses/3207>

15. Madeline Metzger, MS Biology, **May 2020**. An integrative ecological and taxonomic assessment of the stoneflies (Plecoptera) of the Black Mountains, North Carolina, USA.

<https://digitalcommons.wku.edu/theses/3198>

Outstanding Biology Graduate Student – 2020

14. Megan Grandinetti, MS Biology, **May 2016**. Decay dynamics of macroproducers in a karst riverine ecosystem and its importance to benthic detrital foodwebs.
<http://digitalcommons.wku.edu/theses/1601>
13. Gregory Barren, MS Biology, **May 2015**. Epiphytic diatom community structure in a karst riverine system.
<http://digitalcommons.wku.edu/theses/1474/>
12. Elizabeth Malloy, MS Biology, **December 2014**. Trophic dynamic interactions in a temperate river: a comparison between well-developed and weakly-developed karst reaches.
<http://digitalcommons.wku.edu/theses/1437/>
11. Jennifer Yates, MS Biology, **December 2012**. Influences of a *Cladophora* bloom on the diets of *Amblema plicata* and *Elliptio dilatata* in the Upper Green River, Kentucky.
<http://digitalcommons.wku.edu/theses/1221/>
10. Mary Penick, MS Biology, **August 2010**. Why is the Green River green? An assessment of nutrient limitation along a longitudinal gradient in the upper Green River.
<http://digitalcommons.wku.edu/theses/190/>
9. Robin Bernal, MS Biology, **May 2010**. Effects of hydrologic gradients on woody debris breakdown and macroinvertebrate colonization in a Cumberland Plateau watershed in eastern Kentucky, U.S.A.
<http://digitalcommons.wku.edu/theses/149/>
8. Miller Jarrell, MS Biology, **May 2009**. Assessing organic matter breakdown and associated macroinvertebrate community structure in headwater streams: effects of hydrologic gradients and upland timber harvesting.
<http://digitalcommons.wku.edu/theses/96/>
7. Bjorn Schmidt, MS Biology, **December 2008**. Comparative ecology of the headwater darter (*Etheostoma lawrencei*) and Highland Rim darter (*E. kantuckeense*) in the Green River Basin, Kentucky, U.S.A.
<http://digitalcommons.wku.edu/theses/76/>
6. Joshua Wilsey, MS Biology, **May 2008**. Longitudinal distribution of the fishes along the upper Green River, Kentucky: assessing importance of hydrologic and thermal variability.
<http://digitalcommons.wku.edu/theses/387/>
5. Eva Ngulo, MS Biology, **December 2007**. Environmental factors regulating the distribution of crayfish in the upper Green River Basin, Kentucky, U.S.A.
<http://digitalcommons.wku.edu/theses/411/>
4. Brian Lewis, MS Biology, **May 2007**. The effect of ecological gradients on the fish assemblages of the Green and Tradewater River Basins of Kentucky.
<http://digitalcommons.wku.edu/theses/369/>
3. Jered Studinski, MS Biology, **August 2005**. Macroinvertebrate assemblages in autumnal wetlands at Mammoth Cave National Park, Kentucky.
<http://digitalcommons.wku.edu/theses/482/>
2. Joseph Ferguson, MS Biology, **December 2004**. Habitat stability, life histories, and resource utilization of snag-dwelling mayflies (Ephemeroptera) and predaceous stoneflies (Plecoptera) in a south-central Kentucky stream.
1. Carrie Brooks, MS Biology, **December 2002**. The effects of taxonomic resolution on a macroinvertebrate assessment: an analysis based on metrics.

Master's Non-Thesis students – in progress

4. EmiLee Novak, MS Biology, **May 202x**: TBD
3. Kimberley Sherer-Lambert, MS Biology, **May 202x**: TBD
2. Kristopher Warner, MS Biology, **May 202x**: TBD
1. Jackie Glisson, MS Biology, **May 202x**: TBD

Undergraduate Honors students – completed

3. Kathryn Greene, BS Biology with Honors, **May 2021**. A review and comparison of U.S. State Wildlife Action Plans for stonefly (Insecta, Plecoptera) Species of Greatest Conservation Need.
https://digitalcommons.wku.edu/stu_hon_theses/934/
2. Autumn Smith, BS Biology with Honors, **May 2015**. *Corbicula fluminea* food web ecology: an experimental transplant approach in a karst riverine system.
https://digitalcommons.wku.edu/stu_hon_theses/744/
1. Brenna Tinsley, BS Biology with Honors, **May 2012**. The ecological roles of *Podostemum ceratophyllum* and *Cladophora* in the habitat and dietary preferences of the riverine caddisfly *Hydropsyche simulans*.
http://digitalcommons.wku.edu/stu_hon_theses/359/

Outstanding Biodiversity Undergraduate Student – 2012

DIRECTED STUDENT RESEARCH: Committee Member – Masters & Undergraduate Honors Students***Master's Thesis students – in progress***

11. Abby Willis, MS Biology, **May 2024** (anticipated): Analysis and tritrophic associations of bats, bat flies, and Laboulbeniales in Kenya.
10. Elizabeth Strasko, MS Biology, **December 2023** (anticipated): Measuring temporal variation in ephemeral pond amphibian communities using metabarcoding.

Master's students – completed

9. Kyle Whorral, MS Biology, **May 2020**. Diversity and evolution of the poorly known spider beetles (Coleoptera: Ptinidae) of Peru.
8. Tucker Cambridge, MS Biology, **August 2018**. Species distribution and conservation genetics of the Upland and Midland Chorus Frogs (*Pseudacris*) in the state of Kentucky.
<http://digitalcommons.wku.edu/theses/3063>
7. Chris Banotai, MS Biology, **December 2017**. Investigation of seed and seedling predation and natural history of Bushveld Savannah rodents.
<https://digitalcommons.wku.edu/theses/2055/>
6. Amelia Smith, MS Biology, **August 2017**. Review of Sub-Saharan Africa species of *Dignomus* and phylogenetic analysis of the bostrichoids (Coleoptera: Bostrichoidea: Ptinidae).
<http://digitalcommons.wku.edu/theses/2027>
5. Matthew Wood, MS Biology, **May 2016**. Global phylogeny of the water penny beetles (Coleoptera: Psephenidae).
<http://digitalcommons.wku.edu/theses/1560>
4. Kegan McClanahan, MS Geology & Geography, **May 2014**. Dissolved inorganic carbon isotope origin and exchange dynamics in the Green River, south-central Kentucky, USA.
<http://digitalcommons.wku.edu/theses/1393>
3. Derek Rupert, MS Biology, **May 2012**. Comparison of creel survey data to traditional sampling techniques in pit-lake fisheries of Muhlenberg County, Kentucky.
<http://digitalcommons.wku.edu/theses/1138>
2. Peter Zervas, MS Biology, **August 2010**. Age, reproduction, growth, condition and diet of the introduced Yellow Bass, *Morone mississippiensis*, in Barren River Lake, Kentucky.
<http://digitalcommons.wku.edu/theses/987>
1. Clement Akotsen-Mensah, MS Biology, **May 2006**. Description of a new genus of spider beetle from South Africa and phylogenetic analysis of the Gibbiinae (Coleoptera: Ptinidae).

Undergraduate Honors students – completed

2. John Resser, BS Biology with Honors, **May 2020**: Landscape genetics of salamander populations at Mammoth Cave National Park.
https://digitalcommons.wku.edu/stu_hon_theses/876
1. Jacob Brumley, BS Biology with Honors, **May 2018**: Use of dead mussel shells by madtom catfish in the Green River.
https://digitalcommons.wku.edu/stu_hon_theses/747

GRANTS AND CONTRACTS: pending (external)

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| 2023–2026 | US Fish and Wildlife Service, Co-PI (co-PI: Dewalt RE, Illinois Natural History Survey; co-PI: Myers L, SUNY Plattsburgh). <i>Northeastern USA Status Assessment of Stonefly (Insecta, Plecoptera) Regional Species of Greatest Conservation Need</i> (\$300,000 total, \$95,000 to WKU) |
| 2019–2022 | Kentucky Heritage Land Conservation Fund, Co-PI (PI: Meier AJ, co-PI: Kambesis P, Stokes MK). <i>Upper Green River Biological Preserve Extension 5 – Mucignat Tract</i> (\$303,316) |

GRANTS AND CONTRACTS: current funding (external)

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| 2018–2021 | Kentucky Heritage Land Conservation Fund, Co-PI (PI: Meier AJ, co-PI: Stokes MK). <i>Upper Green River Biological Preserve Extension 4 – Vinegar Ridge Tract</i> (\$260,000) |
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GRANTS AND CONTRACTS: past funding (external)

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| 2020–2022 | US Fish and Wildlife Service, Co-PI (PI: DeWalt, RE – Illinois Natural History Survey). <i>Assessing the taxonomic and conservation status of the Louisiana Needlefly, Leuctra szczytkoi Stark & Stewart, 1991</i> (\$14,214 total, \$3,685 to WKU) |
| 2019–2021 | US Fish and Wildlife Service, PI . <i>Population Range and Distribution Assessment of the Karst Snowfly (Allocaenia cunninghami)</i> (\$14,843) |
| 2012–2018 | Kentucky Heritage Land Conservation Fund, Co-PI (PI: Meier AJ, co-PI: Meier OW). <i>Upper Green River Biological Preserve Extension 3 - Lawler Bend</i> (\$1,491,551) |
| 2010–2017 | Kentucky Heritage Land Conservation Fund, Co-PI (PI: Meier AJ, co-PI: Meier OW). <i>Upper Green River Biological Preserve Extension 2</i> (\$183,443) |

2008–2011	Kentucky Heritage Land Conservation Fund, Co-PI (PI: Meier AJ, co-PI: Meier OW). <i>Upper Green River Biological Preserve Extension 1</i> (\$848,000)
2004–2012	USDA–NRCS, Project Director . <i>Assessing Changes Across Spatial and Temporal Scales Due To Conservation Practices Associated with the Kentucky Conservation Reserve Enhancement Program in the Upper Green River Basin</i> (\$1,362,210)
2010–2011	Kentucky Water Resources Research Institute – USGS 104b Program, PI <i>Assessing Short-Term Changes to Headwater Stream Structure and Function Following Alternative Forest Harvesting Implementation</i> (\$15,151)
2006–2009	Kentucky Heritage Land Conservation Fund, Co-PI (PI: Meier AJ, co-PI: Meier OW). <i>Management of Wild Rivers Property - Goebel Tract, Green River</i> (\$39,500)
2003–2009	University of Kentucky: Senate Bill–271, Co-PI (PI: Kolka R, co-PI: Stringer J; both University of Kentucky). <i>Effects of Riparian Zone Width and Disturbance on Water Quality and Stream Communities following Forest Harvest in Eastern Kentucky Watersheds</i> (\$349,276; \$25,000 to WKU)
2002–2008	Kentucky Heritage Land Conservation Fund, Co-PI (PI: Meier AJ, co-PI: Meier OW). <i>Upper Green River Biological Preserve</i> (\$1,208,224)
2003–2004	EPA Nonpoint Source 319h FFY1997, through Kentucky Division of Conservation, PI . <i>Green River Watershed Demonstration Project</i> (\$38,068)
2003–2004	Mammoth Cave National Park, PI . <i>Ecology of Upland Ponds at Mammoth Cave National Park, Kentucky, USA</i> (\$13,970)
2001–2003	Western Kentucky University, Center for Water Resource Studies, Wastewater Monitoring and Assessment, Task Manager . <i>Water Quality/Chemistry and Biological Sampling</i> (\$94,060)
2001–2003	EPA Nonpoint Source 319h FFY2000, through Kentucky Division of Water, PI <i>Biological Monitoring Program Expansion: Green River Basin</i> (\$85,000)
2001–2003	EPA Nonpoint Source 319h FFY2000, through Kentucky Division of Water, PI <i>Bacteriological and Biological Assessment in the Green River and Tradewater River Watersheds</i> (\$83,333)
2001–2004	Mammoth Cave National Park, PI . <i>Long-Term Biological Monitoring and Assessment of the Impact of Lock and Dam #6 on the Aquatic Macroinvertebrate Assemblage of the Green River and Nolin River in Mammoth Cave National Park</i> (\$29,990)
2000–2001	Indiana Department of Natural Resources, Indiana Division of Nature Preserves, PI . <i>Study of the diversity, distribution, and conservation status of the stoneflies (Insecta, Plecoptera) of southern Indiana</i> (\$1,698)
2000	Commonwealth Technology Incorporated, Co-PI (PI: Stokes M). <i>Biological Assessment of Kentucky TriModal Transpark</i> (\$11,999)
1995	Maryland Department of Natural Resources, Maryland Natural Heritage Program, Co-PI (with Jacobsen RE, University of Pittsburgh). <i>Survey of western Maryland Plecoptera and symbiotic Chironomidae</i> (\$2,000)
1995	Sigma Xi Grant-in-Aid of Research, PI . <i>Leaf processing in mountain streams: Assessing the importance of pack size and delayed entry of leaf material from the adjacent banks</i> (\$320)
1995	G. Murray McKinley Research Fund, Pymatuning Laboratory of Ecology, University of Pittsburgh, PI . <i>Leaf processing in woodland streams: Assessing the importance of leaching dynamics of beech and oak leaves in mixed-species accumulations</i> (\$125)
1992	G. Murray McKinley Research Fund, Pymatuning Laboratory of Ecology, University of Pittsburgh, PI . <i>Linkages between stream shredders and riparian vegetation</i> (\$2,200)

GRANTS AND CONTRACTS: current funding (internal)

2021–2023	RCAP I. <i>Using a molecular approach to delineate the systematics and biogeography of the stonefly Leuctra (Plecoptera: Leuctridae) in eastern North America</i> (\$12,706)
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GRANTS AND CONTRACTS: past funding (internal)

2019	QTAG, <i>Discovery of a new species of stonefly (Insecta, Plecoptera) from Alabama</i> (\$2891)
2018	QTAG, <i>Discovery of a new species of stonefly (Insecta, Plecoptera) from West Virginia</i> (\$850)
2017	QTAG, <i>Distributional ecology of the stoneflies of the Black Mountains</i> (\$1,104)
2017	Gatton GRI, with Summer Wei. <i>Leuctra of eastern North America</i> (\$350)
2014–2015	FUSE, with Autumn Smith. <i>Corbicula fluminea foodweb ecology</i> (\$5,000)
2012–2014	ARTP Collaborative Grants Program. <i>Exchange dynamics of carbon between inorganic and organic source and sink components in freshwater karst-fed systems in contrast to non-karst systems</i> (\$37,500)
2012–2013	RCAP I. <i>Foodweb dynamics in a karst river ecosystem</i> (\$17,000)
2010–2011	Faculty Fellowship: <i>Continued study of the Stoneflies (Plecoptera) of the Middle Midwestern USA and southern Ontario</i> (\$2,955)
2009–2009	Summer Fellowship: <i>Plecoptera (stoneflies) of the middle Midwest: Cataloguing diversity, distribution, and conservation status</i> (\$6,000)

- 2007–2008 Faculty Scholarship Grant: *Continued study of the Biogeography and Conservation Status of the Plecoptera (stoneflies) of North America* (\$2,000)
- 2006 Faculty Summer Fellowship: *Biogeography and Conservation Status of the Plecoptera (stoneflies) of North America* (\$5,000)
- 2001 Faculty Summer Fellowship: *The Perlesta shubuta group (Plecoptera: Perlidae), an enigmatic and species-rich taxon of eastern North America* (\$5,000)
- 2001–2002 Faculty Scholarship Grant: *Assessing the importance of the egg gestation period to the life cycle of two stonefly species inhabiting an intermittent stream in north-central Tennessee* (\$1,000)
- 2000–2001 Junior Faculty Research Grant: *Wood as stable macroinvertebrate habitat in a south-central Kentucky stream* (\$4,000)

GRANTS AND CONTRACTS: not funded (external)

- 2020–2023 US Fish and Wildlife Service, **Co-PI**. *Northeastern USA Regional Assessment of Stonefly (Insecta: Plecoptera) Species in Greatest Conservation Need* (\$499,756; \$99,459 to WKU)
- 2019–2020 Kentucky Academy of Science, Special Research Program, **PI**. *Modelling the distribution of Mammoth Cave Region stoneflies (Insecta, Plecoptera) across stream size and flow permanency gradients* (\$4,411)
- 2018–2019 Kentucky NSF EPSCoR Research Enhancement Grant, **PI**. *Stoneflies of the southern Appalachian Mountains – identifying diversity hotspots and assessing diversity loss* (\$35,462)
- 2016–2017 Kentucky NSF EPSCoR Research Enhancement Grant, **PI**. *Southern Appalachian Plecoptera – diversity patterns, diversity hotspots, and the influence of climate change on species loss* (\$35,493)
- 2013–2015 NSF, **Co-PI** (PI: Meier OW, co-PI: Meier AJ, Groves C, Schulte B, Downing N), *Increasing Research Capacity at the Green River Preserve* (\$339,544)
- 2009–2012 NSF, **Co-PI** (PI: DeWalt RE, Illinois Natural History Survey). *Stoneflies in the Middle Midwest, Deviation from Historical Expectations, Contemporary Risks and Phylogeography of a Rapidly Changing Fauna* (\$132,414 to WKU)
- 2008–2011 NSF, **Co-PI** (PI: DeWalt RE, Illinois Natural History Survey). *Stoneflies in the Middle Midwest, Deviation from Historical Expectations, Contemporary Risks, and Phylogeography of a Rapidly Changing Fauna* (\$114,705 to WKU)
- 2007–2010 NSF, **Co-PI** (PI: DeWalt RE, Illinois Natural History Survey). *Conservation Status of the Stoneflies (Plecoptera) of the Till and Drift Plains of the Middle Midwest* (\$118,284 to WKU)
- 2003–2008 EPA Nonpoint Source 319h FFY2002, through Kentucky Division of Conservation, **Project Partner**. *Green River Watershed Demonstration Project* (\$168,223)
- 2004–2004 Kentucky EPSCoR – National Science Foundation, **PI**. *Detrital-Based Food Webs and Retention of Organic Matter in Small Forested Watersheds* (\$19,761)
- 2000–2001 Environmental Protection Agency, **Co-PI** (PI: Stokes M). *Interactive On-line Exploration of Environmental Science Methods for Middle and Secondary Schools* (\$15,286)
- 2000–2001 Kentucky Water Resources Research Institute, **PI**. *Habitat Stability, Life Histories and Resource Utilization of Snag-dwelling Mayflies* (\$9,990)
- 2000 Kentucky State Nature Preserves Commission, **PI**. *Macroinvertebrate Assessment of the Terrapin Creek State Nature Preserve* (\$2,775)
- 1999–2000 Maryland Department of Natural Resources, **PI**. *Study of the Diversity, Distribution and Conservation Status of the Plecoptera (stoneflies) of Maryland* (\$2,711)

PUBLICATIONS

Submitted, at WKU (WKU student authors have been underlined)

- ✓ Grubbs SA, Baumann RW (**○**) *The Nemourinae (Insecta, Nemouridae) of the eastern Nearctic*. Submitted to *Monographs of Zootaxa* – 18 October 2022 (in review)
- ✓ Grubbs SA, DeWalt RE, Hart LV, Layer MR (**○**) *Systematics of the Louisiana Needlefly, *Leuctra szczytkoi* Stark & Stewart, 1981, with phylogenetic notes on the *L. ferruginea* (Walker, 1852) group*. Submitted to *Zoosymposia* – 2 November 2022 (in revision)

Published, at WKU (WKU student authors have been underlined)

72. Hogan PL, Grubbs SA (**2022**) *Distributional trends and species richness of Maryland, USA, stoneflies (Insecta: Plecoptera), with an emphasis on the Appalachian region*. *Ecologies*, 3(3):395-421.
<https://doi.org/10.3390/ecologies3030029>
71. Metzger ML, Grubbs SA, Johnson JR (**2022**) *An integrative phylogenetic analysis of eastern Nearctic *Leuctra* Stephens, 1836 (Plecoptera: Leuctridae), with an emphasis on the fauna of a southern Appalachian Highlands landscape*. *Canadian Entomologist*, 154:e15. <https://doi.org/10.4039/tce.2022.5>
70. Newman EA, DeWalt RE, Grubbs SA (**2021**) *Plecoptera diversity in Indiana: a watershed-based analysis*. *Diversity*, 13(12):672. <https://doi.org/10.3390/d13120672>

69. Grubbs SA, Baumann RW (2021) The Nearctic species *Shipsa rotunda* (Claassen, 1923) (Insecta, Nemouridae). Journal of Insect Biodiversity, 23(2):50–63. <https://doi.org/10.12976/jib/2021.23.2.3>
68. McRoberts TC, Grubbs SA (2021) Effect of stream permanence on stonefly (Insecta, Plecoptera) community structure at Mammoth Cave National Park, Kentucky, USA. Biodiversity Data Journal, 9:e62242. <https://doi.org/10.3897/BDJ.9.e62242>
67. Grubbs SA (2021) Evidence of range contraction and increased metapopulation patchiness of the rare eastern Nearctic Karst Snowfly *Allocapnia cunninghami* Ross & Ricker, 1971. Journal of Insect Conservation, 25(2):311–320. <https://doi.org/10.1007/s10841-021-00301-2>
66. Grubbs SA, Metzger ML, Wei S (2020) Systematics of eastern Nearctic *Leuctra moha* Ricker, 1952 (Plecoptera: Leuctridae) with taxonomic notes on *L. hicksi* Harrison & Stark, 2010. Zootaxa, 4768(3):361–373. <https://doi.org/10.11646/zootaxa.4768.3.3>
65. Grubbs SA, Kondratieff BC, Baumann RW (2019) A surprising rediscovery and description of a new species of *Soyedina* Ricker, 1952 (Plecoptera: Nemouridae) from Great Smoky Mountains National Park, USA. Journal of Insect Biodiversity, 13(1):1–5. <http://dx.doi.org/10.12976/jib/2019.13.1.1>
64. Grubbs SA, Baumann RW (2019) *Soyedina* Ricker, 1952 (Plecoptera: Nemouridae) in the eastern Nearctic: review of species concepts, proposed morphology-based species groups, and description of a new species. Zootaxa, 4658(2):223–250. <https://doi.org/10.11646/zootaxa.4658.2.2>
63. Grubbs SA, Baumann RW (2019) *Alloperla clarki* n. sp. (Plecoptera: Chloroperlidae), a new species from the eastern Nearctic with discussion of a new species group. Zootaxa, 4624(2):241–255. <https://doi.org/10.11646/zootaxa.4624.2.7>
62. Grubbs SA, Singai MM (2018) The eastern Nearctic species *Rasvena terna* (Frison, 1942) (Plecoptera: Chloroperlidae). Check List, 14(4):657–663. <https://doi.org/10.15560/14.4.657>
61. Grubbs SA (2018) An update on the stonefly fauna (Insecta, Plecoptera) of Maryland, including new and emended state records and an updated state checklist. Illiesia, 14(4):65–80. <https://doi.org/10.25031/2018/14.04>
60. Grubbs SA, DeWalt RE (2018) *Perlesta armitagei* sp. n. (Plecoptera: Perlidae): more cryptic diversity in darkly pigmented *Perlesta* from the eastern Nearctic. Zootaxa, 4442(1):83–100. <https://doi.org/10.11646/zootaxa.4442.1.4>
59. Grubbs SA, Sheldon AL (2018) The stoneflies (Insecta, Plecoptera) of the Talladega Mountain region, Alabama, USA: distribution, elevation, endemism, and rarity patterns. Biodiversity Data Journal, 6:e22839. <https://doi.org/10.3897/BDJ.6.e22839>
58. Grubbs SA, Baumann RW, Burton DK (2018) Nearctic *Nemoura trispinosa* Claassen, 1923 and *N. rickeri* Jewett, 1971 are junior synonyms of Holarctic *Nemoura* species (Plecoptera: Nemouridae). Illiesia, 14(3):44–64. <https://doi.org/10.25031/2018/14.03>
57. Grubbs SA (2017) Corrected type locality designation for *Acroneuria covelli* Grubbs & Stark, 2004 (Insecta, Plecoptera). Illiesia, 13(8):94–95. <http://illiesia.speciesfile.org/papers/Illiesia13-08.pdf>
56. Grubbs SA, Wei S (2017) Morphological systematics of *Leuctra duplicata* Claassen, 1923 species group (Plecoptera: Leuctridae). Illiesia, 13(5):57–67. <http://illiesia.speciesfile.org/papers/Illiesia13-05.pdf>
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- DeWalt RW, Grubbs SA, Robinson JL, Yoder M () Historical reconstruction of a once diverse fauna: stoneflies of the Midwest USA.
- Grubbs SA () Systematics of the *Leuctra biloba* Claassen, 1923 and *L. grandis* Banks, 1906 species groups from the eastern Nearctic (Plecoptera, Leuctridae).
- Hogan PL, Grubbs SA () Annual precipitation influences distributional models of fifteen rare and uncommon stoneflies of the central Appalachian Mountains, USA.
- Hogan PL, Grubbs SA, DeWalt RE () Systematic notes on the *Allocapnia granulata* (Claassen, 1924) species group (Plecoptera: Capniidae).
- McRoberts TC, Grubbs SA, Johnson JJ () Comparing gene flow and genetic structure between two related species of stoneflies (Insecta, Plecoptera) with different life history strategies.
- Metzger ML, Grubbs SA () Diversity and elevation patterns of a stonefly (Insecta, Plecoptera) community of a southern Appalachian Mountains watershed, USA.
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DATA PUBLICATIONS

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MANUSCRIPT REVIEWS (82 through August 2022)

2022 – Arthropod Systematics and Phylogeny, Canadian Journal of Arthropod Identification, Insects, Zootaxa (10) (14 in total). 2021 – Insect Systematics and Diversity, Western North American Naturalist, Zootaxa (8) (10 in total). 2020 – PLOS ONE (1 in total). 2019 – Illiesia (4), ZooKeys (5 in total). 2018 – Biodiversity Data Journal, Illiesia, Journal of the Arkansas Academy of Science, Zootaxa (3 in total). 2017 – Entomological News, Illiesia (3), Journal of Evolutionary Biology (5 in total). 2016 – Illiesia (2), ZooKeys (3 in total). 2015 – ZooKeys (1 in total). 2014 – Illiesia (2 total), ZooKeys. 2013 – Illiesia, ZooKeys (2 in total). 2012 – Illiesia (2 in total). 2011 – Illiesia (4), Journal of Insect Science, ZooKeys (6 in total). 2010 – Illiesia (4 in total). 2009 – Entomological News (2), Hydrobiologia, Illiesia, Zootaxa (5 in total). 2008 – Fundamental and Applied Limnology, Illiesia, Zootaxa (3) (5 in total). 2007 – Aquatic Ecology, Entomological News, Great Lakes Entomologist, Journal of the Kentucky Academy of Science (4 in total). 2006 – Entomological News, Southeastern Naturalist (2 in total). 2005 – Journal of the North American Benthological Society (2 in total). 2004 – Entomological News (2 in total). 2003 – Journal of the North American Benthological Society, Proceedings of the Entomological Society of Washington (2 in total). 2002 – American Midland Naturalist (2 in total).

TECHNICAL REPORTS

DeWalt RE, Grubbs SA (2022) Assessing the taxonomic and conservation status of the Louisiana Needlefly, *Leuctra szczytkoi* Stark & Stewart, 1991 (Insecta: Plecoptera). Final Report, submitted to the U. S. Fish and Wildlife Service. 23 pp.

- Grubbs SA (2020) Population range and distribution assessment of the Karst Snowfly *Allocaupnia cunninghami* Ross & Ricker, 1971. Final Report, submitted to the U. S. Fish and Wildlife Service. 21 pp.
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- Grubbs SA (2004) Department of the Interior, U. S. Fish and Wildlife Service, Federal Fish and Wildlife Permit # TE055089-0; In conjunction with research conducted at Mammoth Cave National Park, Kentucky, U.S.A., under project titled “Ecology of upland ponds at Mammoth Cave National Park, Kentucky, U.S.A. as an amendment to Long-Term Biological Monitoring and Assessment of the Impact of Lock and Dam #6 on the Aquatic Macroinvertebrate Assemblage of the Green River and Nolin River in Mammoth Cave National Park, Kentucky, U.S.A. 31 pp.
- Grubbs SA (2003) Department of the Interior, U. S. Fish and Wildlife Service, Federal Fish and Wildlife Permit # TE055089-0; In conjunction with research conducted at Mammoth Cave National Park, Kentucky, U.S.A., under project titled “Long-Term Biological Monitoring and Assessment of the Impact of Lock and Dam #6 on the Aquatic Macroinvertebrate Assemblage of the Green River and Nolin River in Mammoth Cave National Park, Kentucky, U.S.A.” 19 pp.
- Grubbs SA (2001) Report: Studies in Indiana stoneflies (Plecoptera) with an annotated checklist for the state. *Submitted to:* Indiana Department of Natural Resources, Division of Nature Preserves. 25 pp.
- Grubbs SA (2000) Report: Assessment of cave stream macroinvertebrates inhabiting Mill Cave Sink and Wolf Sink. *Submitted to:* Commonwealth Technology Incorporated, Lexington, Ky. 15 pp.
- Grubbs SA (1999) Report: Annotated List of the Diversity, Distribution, and Conservation Status of the Stoneflies (Insecta: Plecoptera) of Maryland. *Submitted to:* Maryland Heritage and Biodiversity Conservation Program, Maryland Department of Natural Resources. 28 pp.

SCIENTIFIC PRESENTATIONS (WKU students have been underlined)

National-International

77. Grubbs SA, DeWalt RE, Laver MR, Hart LV (July 2022) New synonymy and updated range alter the conservation conversation about the Louisiana Needlefly, *Leuctra szczytkoi* Stark & Stewart, 1981 (Plecoptera: Leuctridae). 2022 XVth International Conference on Ephemeroptera and XXth International Symposium on Plecoptera (Virtual)
76. Hogan PL, DeWalt, Grubbs SA (May 2022) Identifying Midwest Regional Stonefly (Insecta: Plecoptera) Refugia Using Maximum Entropy Distribution Modeling. Joint Aquatic Sciences Meeting, Grand Rapids, MI
75. Newman EA, DeWalt RE, Grubbs SA (December 2019) Entomology 2019, St. Louis, MO
74. Grubbs SA (May 2019) North American Plecoptera Society, Dixon Springs, IL
73. McRoberts TC, Grubbs SA (May 2019) North American Plecoptera Society, Dixon Springs, IL
72. Metzger ML, Grubbs SA (May 2019) North American Plecoptera Society, Dixon Springs, IL
71. Newman EA, DeWalt RE, Grubbs SA (May 2019) North American Plecoptera Society, Dixon Springs, IL
70. DeWalt RE, Robinson JL, Grubbs SA (November 2018) Entomology 2019, Vancouver, BC
69. DeWalt RE, Robinson JL, Grubbs SA, Yoder M (May 2019) North American Plecoptera Society, Dixon Springs, IL
68. DeWalt RE, Grubbs SA, Robinson JL (June 2018) International Conference on Ephemeroptera and Plecoptera, Aracruz, BRAZIL
67. Grandinetti M, Rockrohr D, Grubbs SA, Meier AJ (May 2017) Society for Freshwater Science, Raleigh, NC
66. Grubbs SA (May 2016) North American Plecoptera Society, Provo, UT
65. Sheldon AL, Grubbs SA (May 2016) North American Plecoptera Society, Provo, UT
64. Grandinetti M, Rockrohr D, Grubbs SA, Meier AJ (August 2015) Ecological Society of America, Baltimore, MD

63. Barren G, Grubbs SA, Meier AJ, Meier OW **(May 2015)** Society for Freshwater Science, Milwaukee, WI
62. Grandinetti M, Rockrohr D, Grubbs SA, Meier AJ **(May 2015)** Society for Freshwater Science, Milwaukee, WI
61. Smith A, Grubbs SA, Meier AJ **(May 2015)** Society for Freshwater Science, Milwaukee, WI
60. Grubbs SA, Baumann RW, Sheldon AL **(May 2015)** Society for Freshwater Science, Milwaukee, WI
59. Malloy EM, Grubbs SA, Meier AJ **(August 2014)** Ecological Society of America, Sacramento, CA
58. DeWalt RE, Cao Y, Robinson JL, Grubbs SA, Tweddle T, Hinz L **(May 2014)** Society for Freshwater Science, Portland, OR
57. Malloy EM, Grubbs SA, Meier AJ **(August 2013)** Ecological Society of America, Minneapolis, MN
56. Sheldon AL, Grubbs SA **(June 2013)** North American Plecoptera Society, Lamar, PA
55. Sheldon AL, Grubbs SA **(June 2013)** North American Plecoptera Society, Lamar, PA
54. Schmitt WM, Grubbs SA, Meier AJ **(May 2013)** Society for Freshwater Science, Jacksonville, FL
53. Rockrohr DL, Grubbs SA, Meier AJ **(May 2013)** Society for Freshwater Science, Jacksonville, FL
52. Malloy EM, Grubbs SA, Meier AJ **(May 2013)** Society for Freshwater Science, Jacksonville, FL
51. Sheldon AL, Grubbs SA **(May 2013)** Society for Freshwater Science, Jacksonville, FL
50. Grubbs SA, Yates JM, Tinsley BE, Malloy EM, Meier AJ **(May 2013)** Society for Freshwater Science, Jacksonville, FL
49. Sheldon AL, Grubbs SA **(May 2013)** Society for Freshwater Science, Jacksonville, FL
48. Malloy EM, Gilkison VA, Grubbs SA, Meier AJ, and Yates JM **(August 2012)** Ecological Society of America, Portland, OR
47. Cao Y, DeWalt RE, Hinz L, Tweddle T, Pessino M, Grubbs SA **(May 2012)** Society for Freshwater Science, Louisville, KY
46. DeWalt RE, Cao Y, Grubbs SA, Pessino M, Tweddle T, Hinz L, Robinson JL **(May 2012)** Society for Freshwater Science, Louisville, KY
45. Cao Y, DeWalt RE, Hinz L, Tweddle T, Pessino M, Grubbs SA **(May 2011)** North American Benthological Society, Providence, RI
44. Penick MD, Meier AJ, Grubbs SA **(August 2010)** Ecological Society of America, Pittsburgh, PA
43. Penick MD, Meier AJ, Grubbs SA **(May 2010)** North American Benthological Society, Santa Fe, NM
42. Grubbs SA, Bernal RR **(May 2010)** North American Benthological Society, Santa Fe, NM
41. Schmidt B, Grubbs SA **(August 2009)** American Fisheries Society, Nashville, TN
40. Grubbs SA **(August 2009)** American Fisheries Society **(invited)**, Nashville, TN
39. Meier OW, Meier AJ, Grubbs SA **(August 2009)** Ecological Society of America: Albuquerque, NM
38. DeWalt RE, Grubbs SA **(June 2009)** North American Plecoptera Symposium, Truckee, CA
37. Jarrell MS, Grubbs SA **(May 2009)** North American Benthological Society, Grand Rapids, MI
36. Penick MD, Grubbs SA **(May 2009)** North American Benthological Society, Grand Rapids, MI
35. Grubbs SA **(May 2009)** North American Benthological Society, Grand Rapids, MI
34. Jarrell MS, Grubbs SA **(August 2008)** Ecological Society of America, Milwaukee, WI
33. Grubbs SA **(August 2008)** Ecological Society of America, Milwaukee, WI
32. Meier OW, Meier AJ, Grubbs SA, Kenworthy S **(July 2008)** Society for Conservation Biology, Chattanooga, TN
31. Grubbs SA **(May 2008)** North American Benthological Society, Salt Lake City, UT
30. Meier OW, Meier AJ, Grubbs SA, Kenworthy S **(August 2007)** Ecological Society of America, San Jose, CA
29. Grubbs SA, Meier OW, Meier AJ **(August 2007)** International Association of Theoretical and Applied Limnology: Montreal, PQ, CANADA
28. DeWalt RE, Webb DW, Grubbs SA **(June 2007)** North American Benthological Society, Columbia, SC
27. Grubbs SA, Meier OW, Meier AJ **(June 2007)** North American Benthological Society, Columbia, SC
26. DeWalt RE, Webb DW, Grubbs SA **(December 2006)** Entomological Society of America, Indianapolis, IN
25. Grubbs SA, Meier OW, Meier AJ **(August 2006)** Ecological Society of America, Memphis, TN
24. Meier OW, Meier AJ, Grubbs SA **(August 2006)** Ecological Society of America, Memphis, TN
23. Grubbs SA, Sheldon AL **(May 2006)** North American Plecoptera Symposium, Dixon Springs, IL
22. Grubbs SA **(May 2006)** North American Plecoptera Symposium, Dixon Springs, IL
21. Studinski JM, Grubbs SA **(May 2005)** North American Benthological Society, New Orleans, LA
20. Grubbs SA, Meier OW, Meier AJ **(May 2005)** North American Benthological Society, New Orleans, LA
19. Meier OW, Grubbs SA, Meier AJ, Anmala J **(August 2004)** Ecological Society of America, Portland, OR
18. Grubbs SA, Hutchins BT, Thomas CM **(August 2004)** International Association of Theoretical and Applied Limnology, Lahti, FINLAND
17. Grubbs SA, Taylor JM, Pond GJ **(June 2004)** North American Benthological Society, Vancouver, BC, CANADA
16. Thomas CM, Hutchins BT, Grubbs SA **(June 2004)** North American Benthological Society, Vancouver, BC, CANADA
15. Meier OW, Meier AJ, Grubbs SA **(August 2003)** Ecological Society of America, Savannah, GA
14. Grubbs SA **(June 2003)** North American Plecoptera Symposium, Gunnison, CO
13. Grubbs SA, Thomas CM, Hutchins BT **(June 2003)** North American Plecoptera Symposium, Gunnison, CO
12. Grubbs SA, Taylor JM **(May 2003)** North American Benthological Society, Athens, GA
11. Grubbs SA, Taylor JM **(June 2002)** American Society for Limnology and Oceanography, Victoria, BC, CANADA
10. Grubbs SA, Taylor JM **(May 2002)** North American Benthological Society, Pittsburgh, PA
9. Taylor JM, Brooks C, Grubbs SA **(May 2002)** North American Benthological Society, Pittsburgh, PA

8. Grubbs SA (**June 2001**) North American Benthological Society, La Crosse, WI
7. Grubbs SA (**May 2000**) North American Plecoptera Symposium, Provo, UT
6. Grubbs SA (**May 2000**) North American Benthological Society, Keystone, CO
5. Grubbs SA, Cummins KW (**June 1995**) North American Benthological Society, Keystone, CO
4. Grubbs SA, Jacobsen RE, Cummins KW (**August 1994**) International Congress of Dipterology, Guelph, ON, CANADA
3. Grubbs SA, Cummins KW (**May 1994**) North American Benthological Society, Orlando, FL
2. Raikow DF, Grubbs SA, Cummins KW (**May 1994**) North American Benthological Society, Orlando, FL
1. Grubbs SA, Cummins KW (**May 1993**) North American Benthological Society, Calgary, AB, CANADA

State-Regional

60. Hogan PL, Grubbs SA (**November 2020**) Kentucky Academy of Science (Virtual)
59. Metzger TM, Grubbs SA (**November 2019**) Kentucky Academy of Science, Berea, KY
58. McRoberts TM, Grubbs SA (**November 2019**) Kentucky Academy of Science, Berea, KY
57. Barren G, Grubbs SA, Meier AJ, Meier OW (**November 2014**) Kentucky Academy of Science, Lexington, KY
56. Grandinetti M, Grubbs SA, Meier AJ, Rockrohr D (**November 2014**) Kentucky Academy of Science, Lexington, KY
55. McClanahan K, Polk J, Groves C, Osterhoudt L, Grubbs SA (**November 2014**) Kentucky Academy of Science, Lexington, KY
54. Meier OW, Meier AJ, Grubbs SA, Kunkle J (**November 2014**) Kentucky Academy of Science, Lexington, KY
53. Malloy EM, Grubbs SA, Meier AJ (**November 2013**) Kentucky Academy of Science, Morehead, KY
52. Grandinetti ME, Rockrohr DL, Grubbs SA, Meier AJ (**November 2013**) Kentucky Academy of Science, Morehead, KY
51. DeWalt RE, Cao Y, Robinson JL, Grubbs SA, Tweddle T, Hinz L (**April 2013**) Illinois Academy of Science: Jacksonville, IL
50. Yates JM, Grubbs SA, Meier AJ, Collyer M (**February 2013**) Mammoth Cave Science Conference, Mammoth Cave National Park, KY
49. Malloy EM, Gilkison VA, Grubbs SA, Meier AJ, and Yates JM (**November 2012**) Kentucky Academy of Science, Richmond, KY
48. Yates JM, Grubbs SA, Meier AJ (**April 2012**) Freshwater Mollusk Conservation Society Workshop, Athens, GA
47. Yates JM, Grubbs SA, Meier AJ (**March 2012**) Kentucky Water Resources Research Institute, Lexington, KY
46. Yates JM, Grubbs SA, Meier AJ (**November 2011**) Kentucky Academy of Science, Murray, KY
45. Tinsley BE, Grubbs SA, Meier AJ (**November 2011**) Kentucky Academy of Science, Murray, KY
44. Wigginton SK + 10 WKU students, Grubbs SA, Meier AJ (**March 2011**) 14th Symposium on The Natural History of Lower Tennessee and Cumberland River Valleys, Land Between The Lakes, KY
43. Tinsley BE, Shearer JM, Penick MD, Grubbs SA, Meier AJ (**November 2010**) Kentucky Academy of Science, Bowling Green, KY
42. Shearer JM, Tinsley BE, Penick MD, Grubbs SA, Meier AJ (**November 2010**) Kentucky Academy of Science, Bowling Green, KY
41. Edwards JR + 10 WKU students, Grubbs SA, Meier AJ (**November 2010**) Kentucky Academy of Science, Bowling Green, KY
40. Grubbs SA (**May 2010**) Green River CREP, Partners Meeting on Implementation and Monitoring, Bowling Green, KY
39. Penick MD, Meier AJ, Grubbs SA (**April 2010**) Upper Green River Aquatic Fauna Symposium, Campbellsville, KY
38. Bernal RR, Grubbs SA (**November 2009**) Kentucky Academy of Science, Covington, KY
37. Penick MD, Grubbs SA (**November 2009**) Kentucky Academy of Science, Covington, KY
36. Jarrell MS, Grubbs SA (**November 2009**) Kentucky Academy of Science, Covington, KY
35. Grubbs SA (**November 2009**) Kentucky Academy of Science, Covington, KY
34. Jarrell MS, Grubbs SA (**November 2008**) Kentucky Academy of Science, Lexington, KY
33. Schmidt B, Grubbs SA (**November 2008**) Kentucky Academy of Science, Lexington, KY
32. Penick MD, Grubbs SA (**November 2008**) Kentucky Academy of Science, Lexington, KY
31. Schmidt B, Grubbs SA (**October 2008**) Southeastern Fishes Council, Chattanooga, TN
30. Grubbs SA (**October 2008**) Governor's Conference for the Environment (**invited**), Lexington, KY
29. Claus L, Grubbs SA (**November 2007**) Kentucky Academy of Science, Louisville, KY
28. Schmidt B, Grubbs SA (**November 2007**) Kentucky Academy of Science, Louisville, KY
27. Wilsey J, Grubbs SA (**November 2007**) Kentucky Academy of Science, Louisville, KY
26. Grubbs SA (**November 2007**) Kentucky Academy of Science, Louisville, KY
25. Grubbs SA (**October 2007**) Southeastern Fishes Council, Chattanooga, TN
24. Grubbs SA, Meier OW, Meier AJ (**April 2007**) The Nature Conservancy's Upper Green River Aquatic Fauna Symposium: Campbellsville, KY
23. Ngulo E, Grubbs SA (**November 2006**) Kentucky Academy of Science: Morehead, KY
22. Grubbs SA, Meier OW, Meier AJ (**November 2006**) Kentucky Academy of Science: Morehead, KY
21. Grubbs SA (**April 2006**) The Nature Conservancy's Upper Green River Aquatic Fauna Symposium, Campbellsville, KY
20. Grubbs SA, Meier OW, Meier AJ (**November 2005**) Kentucky Academy of Science, Richmond, KY
19. Thomas CM, Grubbs SA (**November 2005**) Kentucky Academy of Science, Richmond, KY

18. Studinski JM, Grubbs SA (**November 2005**) Kentucky Academy of Science, Richmond, KY
17. Studinski JM, Grubbs SA (**November 2004**) Kentucky Academy of Science, Murray, KY
16. Hutchins BT, Thomas CM, Grubbs SA (**November 2004**) Kentucky Academy of Science: Murray, KY
15. Hutchins BT, Thomas CM, Grubbs SA (**March 2004**) Posters-At-The-Capitol, Frankfort, KY
14. Grubbs SA, Taylor JM, Pond GJ (**March 2004**) Kentucky Water Resources Research Institute, Lexington, KY
13. Hutchins BT, Thomas CM, Grubbs SA (**November 2003**) Kentucky Academy of Science, Bowling Green, KY
12. Brooks C, Grubbs SA (**April 2002**) Association of Southeastern Biologists, Boone, NC
11. Lewis B, Grubbs SA (**April 2002**) Association of Southeastern Biologists, Boone, NC
10. Taylor JM, Brooks C, Grubbs SA (**April 2002**) Association of Southeastern Biologists, Boone, NC
9. Grubbs SA, Taylor JM (**March 2002**) Mammoth Cave Science Conference, Mammoth Cave National Park, KY
8. Taylor JM, Brooks C, Grubbs SA (**November 2001**) Kentucky/Tennessee Academy of Sciences, Joint Meeting: Murfreesboro, TN
7. Lewis B, Grubbs SA (**November 2001**) Kentucky/Tennessee Academy of Sciences, Joint Meeting: Murfreesboro, TN
6. Grubbs SA, Pond GW (**November 2001**) Kentucky/Tennessee Academy of Sciences, Joint Meeting: Murfreesboro, TN
5. Ferguson JM, Grubbs SA (**November 2001**) Kentucky/Tennessee Academy of Sciences, Joint Meeting: Murfreesboro, TN
4. Grubbs SA, Taylor JM, Brooks C, Lewis B, Lienesch P (**October 2001**) Southeastern Water Pollution Biologist Association Conference: Bowling Green, KY
3. Grubbs SA (**November 2000**) Kentucky Academy of Science, Lexington, KY
2. Grubbs SA, Jacobsen RE, Cummins KW (**April 1995**) Western Pennsylvania Symposium of Ecologists, Evolutionary Biologists & Systematists, Powdermill Biological Station, PA
1. Grubbs SA, Jacobsen RE, Cummins KW (**March 1995**) Eastern Branch of the Entomological Society of America, Harrisburg, PA

Local

8. Willhite P, Grubbs SA (March 2022) Western Kentucky University Student Research Conference, Bowling Green, KY
7. Malloy EM, Grubbs SA, Meier AJ (**March 2014**) Western Kentucky University Student Research Conference, Bowling Green, KY
6. Malloy EM, Grubbs SA, Meier AJ (**March 2013**) Western Kentucky University Student Research Conference, Bowling Green, KY
5. Tinsley BE, Grubbs SA, Meier AJ (**March 2012**) Western Kentucky University Student Research Conference, Bowling Green, KY
4. Grubbs SA, Pond G, Taylor JM (**November 2003**) WKU Center for Biodiversity Studies-Mammoth Cave Science Joint Conference, Bowling Green, KY
3. Grubbs SA, Meier OW, Meier AJ (**November 2003**) WKU Center for Biodiversity Studies-Mammoth Cave Science Joint Conference, Bowling Green, KY
2. Grubbs SA, Taylor JM (**April 2002**) Kentucky Biodiversity Conference, WKU Center for Biodiversity Studies, Bowling Green, KY
1. Grubbs SA (**April 2001**) Kentucky Biodiversity Conference. WKU Center for Biodiversity Studies, Bowling Green, KY