

CRAIG PATRICK PAUKERT

Current Address: U.S. Geological Survey
Missouri Cooperative Fish and Wildlife Research Unit
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Education

Ph.D., South Dakota State University (SDSU), 2001
Major: Biological Sciences (Fisheries); Minor: Statistics
M.S., Oklahoma State University (OSU), 1998
Major: Fisheries and Wildlife Ecology
B.S., University of Minnesota, 1993
Major: Fisheries and Wildlife

Employment

2010-present: Leader, USGS, Missouri Cooperative Fish and Wildlife Research Unit
2018-present: Cooperative Professor, The School of Natural Resources, University of Missouri
2010-2018: Cooperative Associate Professor, The School of Natural Resources, University of Missouri
Missouri
2008-2010: Acting Leader, USGS, Kansas Cooperative Fish and Wildlife Research Unit
2003-2008: Assistant Leader-Fisheries, USGS, Kansas Cooperative Fish and Wildlife Research Unit
2009-2015: Adjunct Associate Professor, Division of Biology, Kansas State University
2003-2008: Adjunct Assistant Professor, Division of Biology, Kansas State University
2006-present: Adjunct Assistant Professor, University of Arizona
2002-2003: Fishery Biologist, USGS, Grand Canyon Monitoring and Research Center
2002: Assistant Professor (non tenure track), Department of Wildlife and Fisheries Sciences, South Dakota State University

Professional Associations

American Fisheries Society (AFS), 1993 – present (Life member)
Missouri Chapter of the AFS, 2010-present (Life member)
Fish Management Section of the AFS, 1994 - present
Education Section of the AFS, 1995 - present
Equal Opportunities Section of the AFS, 2008-present
International Fisheries Section, 2016-present
Society of Freshwater Science, 2008-present
Desert Fishes Council, 2004-present

Professional Service (last 12 years):

Professional Society:

- 2019-present: Chair, American Fisheries Society Scientific Advisory Committee of Climate Change
- 2018-present: Member, American Fisheries Society, International Fisheries Section 2024 World Fisheries Congress Bid Committee.
- 2019-present: Member, Student Activities Committee, 2020 World Fisheries Congress, Adelaide, Australia.
- 2018-present: Member, American Fisheries Society Committee of student activities at the joint AFS/TWS meeting in Reno
- 2018-present: Guest Editor, *North American Journal of Fisheries Management*
- 2016-2017: Guest Editor, climate change issue in *Reviews in Fish Biology and Fisheries*
- 2015-2017: Past-President, Education Section of the AFS
- 2016: Symposium Coordinator, World Fisheries Congress, Busan, South Korea
- 2016: Workshop coordinator, effects of climate change on inland fish and fisheries; North American Wildlife and Natural Resources Conference, Pittsburgh, PA
- 2016: Co-Guest Editor, climate change issue in *Fisheries* (July 2016)
- 2015-2016: Symposium Co-Chair, American Fisheries Society Annual Meeting, Kansas City
- 2015-2017: Historian, Missouri Chapter of the American Fisheries Society
- 2015-present: Nominating Committee, American Fisheries Society
- 2014-2016: AFS Emmeline Moore Prize Award Committee
- 2013-2015: President, Education Section of the AFS
- 2014: Search Committee for AFS Student and Professional Development Coordinator
- 2011-2014: Steering Committee, 2014 Midwest Fish and Wildlife Conference
- 2011-2013: President Elect, Education Section of the AFS
- 2010-2013: Guest Editor, *Endangered Species Management*
- 2009-2011: Secretary/Treasurer, Education Section of the AFS
- 2003-2011: Associate Editor, *North American Journal of Fisheries Management*
- 2008-2009: President, Kansas Chapter of the AFS
- 2007-2010: Member, AFS Board of Professional Certification
- 2006: Symposium coordinator, Midwest Fish and Wildlife Conference, Omaha, NE
- 2006: Session moderator, Annual AFS meeting, Lake Placid, NY
- 2005-2008: Chair, Skinner Award Committee for the Education Section of AFS
- 2004-2007: Chair, Education Sect. of AFS committee to revise Careers in Fisheries Brochure
- 2003-2004: Member, best paper in *N. Am. Journal of Fisheries Management* Committee
- 2003-2004: Co-chair, Education Section of the AFS Membership Committee
- 2003-2005: Skinner Award Committee for the Education Section of AFS
- 2001-2004: Newsletter editor, AFS Computer User's Section

University and Governmental:

- 2018: Invited by Chinese Academy of Sciences, Institute for Hydrobiology to help on river conservation and possible student exchange, Chinese Academy of Sciences, Wuhan, China

- 2018: Steering Committee, Mississippi River-Yangtze River Symposium, Chongqing, China
- 2017: *Keynote Speaker*, European Union Inland Fisheries and Aquaculture Advisory Commission, Stare Joblonki, Poland
- 2017: Invited to workgroup to help Myanmar with food security for inland fisheries
- 2017: Hosted 8 Chinese Academy of Science scientists to learn about University of Missouri fish research
- 2016-2018: IUCN Red List Paddlefish Status Report Update Lead (C. Paukert)
- 2015-2016: Committee to develop of Landscape Science initiative in USGS
- 2012-2016: Invited Member, USGS Large River Monitoring Forum
- 2012-2016: Invited participant, USGS Floodplain connectivity workshop
- 2011-2012: National Climate Assessment, Technical Input Committee, Biodiversity, Ecosystems and Ecosystem Services Technical Committee
- 2010-2016: Graduate Affairs Committee, Dept. of Fisheries and Wildlife Sciences, MU
- 2009-2010: Chair, Ecology and Evolutionary Biology Section, Division of Biology, KSU
- 2005-present: Member, Science Committee, National Fish Habitat Initiative
- 2004-2005: Member, KSU Fish and Wildlife Biology Curriculum Committee
- 2003: Session moderator, Grand Canyon Science Symposium, USGS, Tucson, AZ
- 2002-2003: Publications review committee, Southwest Biol. Science Center, Flagstaff, AZ

Manuscript Reviews:

Fisheries, Fisheries Management and Ecology, Hydrobiologia, Intermountain Journal of Science, North American Journal of Fisheries Management, Transactions of the American Fisheries Society, Canadian Journal of Fisheries and Aquatic Sciences, Aquatic Sciences, Arizona-Nevada Academy of Sciences, Prairie Naturalist Ecology of Freshwater Fish, Environmental Biology of Fishes, Southeastern Naturalist, Southwestern Naturalist, Great Plains Research, Journal of Fish Biology, River Research and Applications, Journal of Neotropical Ichthyology, PLoS One, Global Change Biology, Ecological Applications, Proceedings of the Southeastern Association of Fish and Wildlife Agencies, Conservation Biology

Awards and Honors by Students:

- 2022: Charles P. Bell Graduate Scholarship (graduate student Hadley Boehm), Conservation Federation of Missouri
- 2022: Stephen A Weithman Jr. Leadership Award (graduate student Emily Tracy-Smith), Missouri Chapter of the American Fisheries Society
- 2021: Carl Morrow Scholarship (graduate student Hadley Boehm), Conservation Federation of Missouri
- 2021 Best Student Aquatics Presentation (graduate student Michael Moore), Missouri Natural Resources Conference
- 2020: Outstanding Graduate Student (PhD student Michael Moore), University of Missouri, School of Natural Resources
- 2020: Top 10% Most Downloaded Papers, North American Journal of Fisheries Management, American Fisheries Society)

- 2020: Noreen Clough Memorial Scholarship (graduate student Hadley Boehm), Bass Anglers Sportsman's Society
- 2020: Robert Jenkins Memorial Reservoir Scholarship (graduate student Hadley Boehm), Southern Division of the AFS
- 2020: Best Student Aquatics Poster Presentation (graduate student Mike Thomas), Missouri Natural Resources Conference
- 2020: Best Student Aquatics Presentation (graduate student Michael Moore), Missouri Natural Resources Conference
- 2020: Joan Duffy Travel Grant Winner (graduate student Mike Thomas), Missouri Chapter of the AFS
- 2020: Fenske Award Finalist (graduate student Mike Thomas), NorthCentral Division of AFS
- 2019: North American Sturgeon and Paddlefish Society - Student Travel Award, North American Sturgeon and Paddlefish Society
- 2019: Outstanding Fish and Wildlife Graduate Student (John Brant), University of Missouri
- 2019: Best Student Aquatics Poster, Missouri Natural Resources Conference (graduate student Mike Thomas)
- 2019: Charles P. Bell Graduate Scholarship, Conservation Federation of Missouri Charitable Trust (graduate student John Brant)
- 2019: Joan Duffy Travel Grant Winner, Missouri Chapter of the AFS, (graduate student Elisa Baebler)
- 2018: University of Missouri Staff Development Award, The University of Missouri (awarded to research technician Brandon Brooke)
- 2018: American Fisheries Society Skinner Memorial Award (awarded to undergraduate student Cheyenne Stratton)
- 2018: American Fisheries Society Skinner Memorial Award Honorable Mention (awarded to graduate student Corey Dunn)
- 2018: Finalist, Best Student Poster, American Fisheries Society Annual Meeting (undergraduate student Cheyenne Stratton and graduate student Nick Sievert)
- 2018: Finalist, Best Student Poster, American Fisheries Society Annual Meeting (graduate student Elisa Baebler)
- 2018: Travel Award, Equal Opportunities Section of American Fisheries Society, (graduate student Elisa Baebler)
- 2018: Undergraduate Travel Assistance Award, Student SubUnit of the Education Section of the American Fisheries Society (undergraduate student Cheyenne Stratton)
- 2018: Trans World Airlines Scholarship, only 5 non law school awards given each year in the University of Missouri system (graduate student Corey Dunn)
- 2018: Best Poster Award Winner, School of Natural Resources Research Day (graduate student Michael Moore)
- 2018: Best Poster Award Winner, School of Natural Resources Research Day (graduate student Corey Dunn)
- 2018: Charles P. Bell Graduate Scholarship, Conservation Federation of Missouri Charitable Trust (graduate student Elisa Baebler)
- 2018: Winemiller Award for Excellence in Data Analytics, The University of Missouri ((graduate student Corey Dunn)
- 2018: Joe G. Dillard Outstanding Undergraduate Scholarship, Missouri Chapter of the American Fisheries Society (undergraduate student Cheyenne Stratton)

- 2018: Janice Lee Fenske Memorial Award finalist (awarded to graduate student Michael Moore)
- 2018: Joan Duffy Travel Grant Winner, Missouri Chapter of the AFS, (graduate student Michael Moore)
- 2018: Student Achievement Award, Missouri Chapter of the American Fisheries Society (awarded to graduate student Elisa Baebler)
- 2017: American Fisheries Society Skinner Memorial Award (awarded to graduate student Michael Moore)
- 2017: American Fisheries Society Skinner Memorial Award Honorable Mention (awarded to graduate student Zach Morris)
- 2017: Best Student Poster Honorable Mention, American Fisheries Society Annual Meeting (graduate student Corey Dunn)
- 2017: Outstanding Poster for Life Sciences Week: Innovative Science, University of Missouri (graduate student Corey Dunn)
- 2017: Trans World Airlines Scholarship, only 5 non law school awards given each year in the University of Missouri system (graduate student Michael Moore)
- 2017: Joe G. Dillard Outstanding Undergraduate Scholarship, Missouri Chapter of the American Fisheries Society (undergraduate student Cheyenne Stratton)
- 2017: Best Poster Award Winner, School of Natural Resources Research Day (graduate student Corey Dunn)
- 2017: The Wildlife Society, Wetlands Working Group Student Award (graduate student Julia Guyton)
- 2017: Charles P. Bell Graduate Scholarship, Conservation Federation of Missouri Charitable Trust (graduate student Corey Dunn)
- 2017: Janice Lee Fenske Memorial Award Winner (awarded to graduate student Elisa Baebler)
- 2017: Janice Lee Fenske Memorial Award finalist (awarded to graduate student Corey Dunn)
- 2017: Joan Duffy Travel Grant Winner, Missouri Chapter of the AFS, (graduate student Corey Dunn)
- 2017: Best Student Aquatics Presentation, Missouri Natural Resources Conference (graduate student Julia Guyton)
- 2017: Jimmie Pigg and Melissa Coughlin Memorial Outstanding Student Achievement Award, Southern Division of the American Fisheries Society (graduate student Corey Dunn)
- 2017: Douglas D. Randall Young Scientists Travel Award, University of Missouri (graduate student Corey Dunn)
- 2016: Board of Directors, Conservation Federation of Missouri (graduate student Zach Morris)
- 2016: Selected as one of four participants in the Emerging Leaders Mentorship Award Program for the American Fisheries Society (awarded to graduate student Michael Moore)
- 2016: Charles P. Bell Conservation Scholarship, Conservation Federation of Missouri Charitable Trust (awarded to graduate student Nick Sievert)
- 2016: The Wildlife Society Wetland Working Group Travel Award (awarded to graduate student Julia Guyton)
- 2016: Janice Lee Fenske Memorial Award finalist (awarded to graduate student Julia Guyton)
- 2016: Student Achievement Award, Missouri Chapter of the American Fisheries Society (awarded to graduate student Corey Dunn)
- 2016: Best Student Aquatics Presentation, Missouri Natural Resources Conference (awarded to graduate student Jacob Schwoerer)

- 2016: University of Missouri Graduate fellowship, Missouri Chapter of The Wildlife Society (awarded to graduate student Julia Guyton)
- 2016: University of Missouri Graduate Fellowship (awarded to graduate student Julia Guyton)
- 2016: D.L. Hallett Award (awarded to graduate student Julia Guyton)
- 2016: Student Achievement Award, Missouri Chapter of the American Fisheries Society (awarded to graduate student Corey Dunn)
- 2016: Carl Morrow Graduate Scholarship, Conservation Federation of Missouri (awarded to graduate student Nick Sievert)
- 2015: Outstanding MS Thesis Award Finalist, University of Missouri (one thesis per Department is selected as a finalist; awarded to graduate student Nick Sievert)
- 2015: John D. Chambers Memorial Scholarship, Missouri Chapter of The Wildlife Society (awarded to graduate student Julia Guyton)
- 2015: Best Oral Presentation, Missouri Natural Resources Conference (awarded to graduate student Corey Dunn)
- 2014: American Fisheries Society Skinner Memorial Award (awarded to graduate student Nick Sievert)
- 2014: Finalist, Best Student Poster, American Fisheries Society Annual Meeting (awarded to undergraduate student Josey Ridgway)
- 2014: Second Place, Best Poster, Missouri River Natural Resources Conference (awarded to undergraduate student Josey Ridgway)
- 2014: Conservation Federation of Missouri Morrow Scholarship (awarded to graduate student Emily Pherigo)
- 2014: Best Student Aquatics Presentation, Missouri Natural Resources Conference (awarded to graduate student Emily Pherigo),
- 2014: Robert A. Klumb Missouri River Natural Resources Conference Student Travel Award (awarded to graduate student Emily Pherigo),
- 2014: Missouri Chapter of the Society of Conservation Biology Best Student Poster at the Missouri Natural Resources Conference (awarded to undergraduate student Josey Ridgway and graduate student Emily Pherigo),
- 2014: Janice Lee Fenske Memorial Award Winner (awarded to graduate student Emily Pherigo)
- 2014: Janice Lee Fenske Memorial Award finalist (awarded to graduate student Nick Sievert)
- 2014: Joan Duffy Travel Grant (awarded to graduate student Nick Sievert),
- 2013: Hutton Scholarship, American Fisheries Society (awarded to high school student Samantha See)
- 2013: McNair Scholarship, University of Missouri (awarded to undergraduate student Josey Ridgway)
- 2013: Best Student Poster, American Fisheries Society Annual Meeting (awarded to graduate student Nick Sievert)
- 2013: Undergraduate Travel Award, American Fisheries Society Annual Meeting (awarded to undergraduate student Travis Schepker)
- 2013: Conservation Federation of Missouri Stegner Scholarship (awarded to undergraduate student Jackman Eschenroeder)
- 2013: Best Student Aquatics Presentation, Missouri Natural Resources Conference (awarded to graduate student Jason Harris)
- 2013: MO AFS Student Achievement Award (awarded to undergraduate student Mike Moore)
- 2012: Joan Duffy Travel Grant (awarded to graduate student Landon Pierce)

- 2012: American Fisheries Society Skinner Memorial Award (awarded to graduate student Landon Pierce)
- 2012: Finalist, Best Student Presentation at the American Fisheries Society Annual Meeting, St. Paul, MN (awarded to graduate student Jon Spurgeon)
- 2012: Outstanding Graduate Student, Department of Fisheries and Wildlife Sciences, MU, (awarded to graduate student Jake Faulkner)
- 2012: Best Student Aquatics Presentation, Missouri Natural Resources Conference (awarded to graduate student Jason Harris)
- 2012: Second Place, Best Student Poster, Missouri Chapter of the Society for Conservation Biology (awarded to graduate student Jake Faulkner)
- 2011: Joan Duffy Travel Grant (awarded to graduate student Jake Faulkner)
- 2011: Janice Lee Fenske Memorial Award finalist (awarded to graduate student Jake Faulkner)
- 2011: Special Achievement Award, Kansas Cooperative Fish and Wildlife Research Unit, (awarded to graduate student Joe Gerken)
- 2011: Best Student Presentation, Kansas Chapter of the AFS (awarded to graduate student Joe Gerken)
- 2010: Outstanding Unit Student, Kansas Cooperative Fish and Wildlife Research Unit (awarded to graduate student Jason Fischer)
- 2010: Second Place, Best Student Presentation, Midwest Fish and Wildlife Conference (awarded to graduate student Jason Fischer)
- 2010: Certificate of Appreciation, Education Section, American Fisheries Society (awarded to graduate student Joe Gerken)
- 2010: Outstanding Kansas Coop Unit Student (awarded to graduate student Joe Gerken)
- 2010: Best Student Poster, Kansas Chapter of the AFS (awarded to undergraduate student Katie White)
- 2010: Kansas Chapter AFS Tiemeier-Cross Award (awarded to graduate student Joe Gerken)
- 2009: Second place, best student oral presentation, American Water Resources Association Annual Water Resources Conference (awarded to graduate student Andrea Severson)
- 2009: Ackert Award for Outstanding Presentation at the Biology Graduate Student Forum (awarded the graduate student Andrea Severson)
- 2009: Kansas Chapter of the Wildlife Society Travel Award (awarded to graduate student Mackenzie Shardlow)
- 2009: American Fisheries Society Skinner Memorial Award (awarded to graduate student Joe Gerken)
- 2009: Finalist, Best Student Poster, Annual AFS Meeting, (awarded the graduate student Andrea Severson)
- 2009: Nominee, Watkins Award for outstanding graduate student teaching in Biology, KSU (Andrea Severson)
- 2009: Best Student Presentation, Kansas Chapter of the AFS (awarded to graduate student Andrea Severson)
- 2009: Best Student Poster, Kansas Chapter of the AFS (awarded to graduate student Joe Gerken)
- 2009: Kansas Chapter AFS Tiemeier-Cross Award (Awarded to graduate student Andrea Severson)
- 2008: Outstanding Kansas Coop Unit Student (awarded to graduate student Mackenzie Shardlow)

- 2008: Second Place, Best Student Presentation, Midwest Fish and Wildlife Conference (awarded to graduate student Mackenzie Shardlow)
- 2008: Joan Duffy Travel Grant (awarded to graduate student Wes Bouska)
- 2008: Janice Lee Fenske Memorial Award finalist (awarded to graduate student Wes Bouska)
- 2008: Janice Lee Fenske Memorial Award Winner (awarded to graduate student Mackenzie Shardlow)
- 2008: Kansas Chapter AFS Tiemeier-Cross Award (Awarded to graduate student Josh Schloesser)
- 2008: American Fisheries Society Skinner Memorial Award (awarded to graduate student Josh Schloesser)
- 2008: American Fisheries Society Skinner Memorial Award (awarded to graduate student Jeff Eitzmann)
- 2008: American Fisheries Society Equal Opportunities Travel Award (awarded to graduate student Kristen Pitts)
- 2007: Janice Lee Fenske Memorial Award finalists (awarded to graduate student Josh Schloesser)
- 2007: Joan Duffy Travel Award runner up (awarded to graduate student Josh Schloesser)
- 2007: Runner Up, American Fisheries Society Best Student Writing Contest (awarded to graduate student Wes Bouska)
- 2007: American Fisheries Society Skinner Memorial Award (awarded to graduate student Jeff Eitzmann)
- 2007: American Fisheries Society Skinner Memorial Award (awarded to graduate student Jesse Fischer)
- 2007: Fourth place, best poster (coauthor with graduate student Josh Schloesser). Missouri River Natural Resources Conference
- 2007: Kansas Chapter AFS Tiemeier-Cross Award (Awarded to graduate student Jesse Fischer)
- 2007: Best Student Poster, Kansas Chapter of the AFS (coauthor with graduate student Jesse Fischer)
- 2007: Best Student Presentation, Kansas Chapter of the AFS (coauthor with graduate student Jesse Fischer)
- 2006: Kansas Chapter AFS Tiemeier-Cross Award (Awarded to graduate student Andy Makinster)
- 2006: Outstanding KS Coop Unit Student (awarded to graduate student Jesse Fischer)
- 2006: Janice Lee Fenske Memorial Award (awarded to graduate student Jesse Fischer)
- 2005: Outstanding KS Coop Unit Student (awarded to graduate student Andy Makinster)
- 2001: 2001 Bentley Research Award given to Nathan Olson (undergraduate advisor, SDSU)

Awards and Honors:

- 2022: USGS Cooperative Research Units Scientific Excellence Award
- 2022: Top 10% Most Downloaded Papers, North American Journal of Fisheries Management, American Fisheries Society
- 2022: Fisheries Excellence Award, American Fisheries Society, North Central Division
- 2022: USGS Quality Step Increase, USGS
- 2022: Driver to Distinction, MU College of Agriculture, Food, and Natural Resources
- 2020: USGS STAR Award, USGS

- 2018: Promoted to Full Professor at University of Missouri
- 2018: Gold Chalk Award for Outstanding Teaching and Mentoring, University of Missouri (only 4 faculty throughout the university are awarded this each year)
- 2018: Quality Step Increase (raise based on sustained high performance)
- 2017: USGS STAR Award for outstanding performance
- 2016: Co-lead Capitol Hill briefing to congressional staffers on effects of climate change on inland fish
- 2016: USGS STAR Award for development of Landscape Science initiative in USGS
- 2016: John L. Funk Award of Excellence, Missouri Chapter of the American Fisheries Society
- 2015: USGS STAR Award in the Cooperative Research Units for outstanding performance
- 2014: USGS STAR Award in the Cooperative Research Units for outstanding performance
- 2013: USGS STAR Award in the Cooperative Research Units for outstanding performance
- 2012: USGS STAR Award in the Cooperative Research Units for outstanding performance
- 2012: Letter of Appreciation from the Executive Office of the President, Office of Science and Technology Policy for contribution to the National Climate Assessment Technical Input on Biodiversity, Ecosystems, and Ecosystem Services
- 2012: Outstanding Graduate Professor, Department of Fisheries and Wildlife Sciences, MU
- 2011: USGS STAR Award in the Cooperative Research Units for outstanding performance
- 2010: USGS STAR Award in the Cooperative Research Units for service
- 2010: USGS STAR Award in the Cooperative Research Units for outstanding performance
- 2010: Best Professional Presentation, Kansas Chapter of the AFS
- 2009: USGS STAR Award in the Cooperative Research Units
- 2009: Finalist, Outstanding Biology Graduate Faculty Award, KSU
- 2009: Invited speaker, Natural Resources Ecology and Management, Iowa State University
- 2008: USGS STAR Award in the Cooperative Research Units
- 2008: Certificate of Appreciation, Education Section, American Fisheries Society
- 2007: USGS STAR Award in the Cooperative Research Units
- 2007: Best Professional Presentation, Kansas Chapter of the AFS
- 2006: USGS STAR Award for outstanding performance
- 2005: USGS STAR Award for outstanding performance
- 2005: Cooperative Research Units Leadership Development Program
- 2003: Selected as 1 of 2 Biological Resources Discipline posters from Western Region, USGS to be presented at the Program Coordinators-Regional Executives Meeting, Reston, VA
- 2000: Outstanding Ph.D. student, Dept. of Wildlife and Fisheries Sciences, SDSU
- 1999: Honorable Mention, Best Student Poster, Midwest Fish and Wildlife Conference, Chicago, IL
- 1999: Honorable Mention, Best Student Poster, 129th Annual American Fisheries Society Meeting, Charlotte, NC
- 1998: Skinner Memorial Award, American Fisheries Society
- 1998: Honorable Mention, Best Student Presentation Award, Southern Division AFS Mid-Year Meeting, Lexington, KY
- 1998: Oklahoma Chapter AFS Jimmie Pigg Student Travel Award
- 1997: Skinner Memorial Award Honorable Mention, American Fisheries Society
- 1996: Best Student Presentation, OK-TX joint AFS Annual Meeting, Pottsboro, TX

Invited Speakers and University Seminars:

2019: American Fisheries Society/The Wildlife Society Annual Meeting, Reno
 2019: International Society for River Science, Vienna, Austria.
 2018: International Communication on Fisheries and Aquatic Conservation & The 4th
 Mississippi-Yangtze River Basins Symposium, Chongqing, China
 2017: Keynote Speaker, European International Fisheries and Aquaculture Advisory
 Commission, Stare Jablonki, Poland
 2016: Department of Watershed Sciences, Utah State University
 2016: USGS, Columbia Environmental Science Center
 2016: Natural Resources Ecology and Management, Iowa State University
 2015: Global Inland Fisheries Conference, United Nations, Rome
 2015: USGS, Columbia Environmental Science Center
 2014: Department of Zoology, Southern Illinois University
 2014: University of Arizona
 2013: Department of Fisheries and Wildlife, Michigan State University
 2013: Missouri S & T University
 2012: Glen Canyon Dam Adaptive Management Program Technical Working Group Meeting
 2011: Annual Meeting of the Texas Cooperative Fish and Wildlife Research Unit
 2009: Kansas Engineering Conference
 2009: Natural Resources Ecology and Management, Iowa State University
 2007: University of Kansas Field Station and Ecological Reserves Seminar Series
 2005: Keynote Speaker, Kansas Chapter of the American Fisheries Society Annual Meeting
 2005: The Ohio State University, School of Natural Resources, Departmental Seminar Series

Presentations at Professional Society Meetings

Craig has been lead or coauthor on over 385 presentations at professional society meetings such as state, regional, and international American Fisheries Society meeting, the World Fisheries Congress, Society of Freshwater Science, Global Inland Fisheries Conference, and the American Water Resources Association.

Teaching

Instructor of Record:

2019-2022: Perspectives for Emerging Professionals (FW 8001), Univ. of Missouri
 2016: Future of Fisheries (FW 8001), University of Missouri (MU)
 2012, 2014, 2018: Advanced Fisheries Science (FW 8001), University of Missouri (MU)
 2004-2008: Advanced Fisheries Science (BIOL 890), Kansas State University (KSU)
 2004-2008: Fisheries Management (BIOL 696), KSU
 2006: Food Webs (BIOL 890), KSU
 2001-2002: Environmental Conservation (WL 110), SDSU

Current Graduate Students:

Hadley Boehm, Ph.D. expected 2023

Nick Sievert, Ph.D. expected 2023
Gaby Ruso, PhD. expected 2024 (co advised with Lisa Webb)
Kiah Wright, M.S. expected 2023
Christina Mackey, M.S., expected 2024

Post Doctoral Research Associates and Staff

Post docs:

Dr. Brittany Harried, 2021-present
Dr. Sarah Winnikoff, 2021 - present
Dr. Jacob Kasper, 2022 - present

Past Post Docs and Research Staff:

1. Dr. Allison Pease, 2010-2012
Topic: Effects of climate change on fish and fish habitat
Current Employment: Assistant Professor, Texas Tech University.
2. Dr. Karthik Masagounder, 2010-2012
Topic: Validation of an Asian carp bioenergetics model
Current position: Biologist, Evonics Inc.
3. Dr. Michelle Staudinger, 2011-2014
Topic: Effects of climate change on biodiversity
Current Employment: Science Coordinator, USGS Northeast Climate Science Center.
4. Dr. Jacob Westhoff, 2012-2014
Topic: Effects of climate change on stream temperature and smallmouth bass
Current Employment: Native Fish Research Biologist, Missouri Department of Conservation.
5. Dr. Katy Klymus, 2012-2014
Topic: Use of eDNA as an assessment tool for Asian carp detection
Current Employment: Ecologist, USGS, Columbia Environmental Research Center.
6. Dr. Damon Krueger, 2014
Topic: Effects of climate change on stream fish in the Northeast US
Current Employment: Quality Assurance Engineer, Ford Motor Company.
7. Mr. Dan Whiting, 2010-2013
Topic: Translocation of humpback chub in Grand Canyon
Current Employment: High school biology teacher, Harrisburg, Missouri
8. Mr. Ryan Lueckenhoff, 2013-2015
Topic: Effects of dissolved oxygen on fishes in the Osage River
Current Employment: Private Lands Specialist, Missouri Department of Conservation
9. Dr. Kristen Bouska, 2014 - 2015
Topic: Effects of climate change on river floodplains
Current Employment: Ecologist, USGS, Upper Midwest Environmental Science Center
10. Dr. James Whitney, 2014 - 2015
Topic: Effects of climate change on inland fisheries
Current Employment: Assistant Professor, Pittsburg State University

11. Dr. Garth Lindner, 2014-2020.
Topic: Climate change effects on floodplain connectivity
Current employment: Hydraulic Engineer, Indiana Department of Natural Resources
12. Dr. Ralph Tingley, 2016-2020.
Topic: Climate change effects on floodplain connectivity.
Current employment: Fish Biologist, U.S. Geological Survey, Great Lakes Science Center
13. Dr. Jane Rogosch, 2020.
Topic: Effective Landscape Conservation in Priority Geographies: Coordinating Existing Tools to Assist Managers with Conservation Decisions
Current employment: Assistant Unit Leader and Assistant Professor, U.S. Geological Survey, Texas Cooperative Fish and Wildlife Research Unit
14. Dr. Colin Dassow, 2021. Topic: Cost of replacing walleyes in Wisconsin due to climate change: implications for management
Current employment: Research Biologist, Wisconsin Department of Natural Resources.

Past Graduate Students:

1. Makinster, A. 2006. Ecology of flathead catfish in the Kansas River. M.S. thesis, Kansas State University.
Current position: Fisheries Biologist, Arizona Game and Fish Department
2. Fischer, J. 2007. Structural organization of Great Plains stream fish assemblages: Implications for sampling and conservation. M.S. thesis, Kansas State University.
Current position: Post-Doctoral Researcher, North Carolina State University
3. Eitzmann, J. 2008. Spatial habitat variation in a Great Plains river: effect on the fish assemblage and food web structure. M.S. thesis, Kansas State University.
Current position: Mineral extraction consultant, Nevada
4. Pitts, K. 2008. Assessing threats to native fishes in the Lower Colorado River Basin. M.S. thesis, Kansas State University.
Current position: Post-doctoral research associate, University of Missouri
5. Schloesser, J. 2008. Large river fish community sampling strategies and fish associations to engineered and natural river channel structures. M.S. thesis, Kansas State University.
Current position: Fish Biologist, US Fish and Wildlife Service, Wisconsin
6. Bouska, W. 2008. Road crossing design and their impact on fish assemblages and geomorphology of Great Plains streams. M.S. thesis, Kansas State University.
Current position: Biologist, US Fish and Wildlife Service, Missouri
7. Shardlow, M. 2009. Factors affecting detectability and distribution of the North American river otter. M.S. thesis, Kansas State University.
Current position: Wildlife Diversity Biologist, Nevada Department of Wildlife
8. Severson, Andrea. 2010. Thesis: Effects of zebra mussel invasion in fish and invertebrates in a Great Plains reservoir. M.S. thesis, Kansas State University.
Current position: Biologist, Bureau of Land Management, Nebraska
9. Spurgeon, Jonathan. 2012. Thesis: Translocation of humpback chub (*Gila cypha*) and food-web dynamics in Grand Canyon National Park tributary streams. M.S. thesis, University of Missouri.
Current position: Ph.D. student, University of Nebraska-Lincoln

10. Fischer, Jason. 2012. Thesis: Effects of sand dredging on fish and fish habitat in a large river. M.S. thesis, Kansas State University.
Current position: Ecologist, US Geological Survey, Michigan
11. Harris, Jason. 2013. Thesis: Habitat selection, movement, and home range of largemouth bass (*Micropterus salmoides*) following a habitat enhancement project in Table Rock Lake, Missouri. M.S. thesis, University of Missouri.
Current position: Fish Biologist, Minnesota Department of Natural Resources
12. Sievert, Nick. 2014. Thesis: An assessment of stream fish vulnerability and an evaluation of conservation networks in Missouri. M.S. thesis, University of Missouri.
Current position: PhD student, University of Missouri
15. Faulkner, Jake. 2015. Thesis: Multi-scale Resource Selection of Niangua Darters in the Osage River Basin, Missouri. M.S. thesis, University of Missouri
Current position: Chief, Operating Permits, Water Protection Program, Missouri Department of Natural Resources
16. Gerken, Joe. 2015. Dissertation: Fish and Invertebrate Community Response to Flow Magnitude in the Kansas River. PhD Dissertation, Kansas State University.
Current position: University of Florida
17. Kleekamp, Ethan. 2016. Thesis: Streams in a changing landscape: Identifying candidate reference reaches to assess the physical and biotic integrity of Missouri's wadeable streams. M.S. thesis, University of Missouri
Current position: Technician University of Missouri
18. Schwoerer, Jacob. 2016. Thesis: Assessing the vulnerability of stream communities and the consistency and use of biotic indices in least-disturbed streams. M.S. thesis, University of Missouri
Current position: Technician University of Missouri
19. Julia Guyton. 2017. Evaluating sampling methods and investigating distribution and richness of fish and amphibians in Missouri wetlands. M.S. thesis, University of Missouri
Current position: Ducks Unlimited, Missouri
20. Zach Morris. 2018. Determining electrofishing immobilization thresholds of Smallmouth Bass, Flathead Catfish, and Blue Catfish. M.S. thesis, University of Missouri
Current position: Consulting Firm, Missouri
21. Elisa Baebler. 2018. Habitat selection and movement by Spotted Bass and Shorthead Redhorse downstream of a hydropeaking dam in Missouri. M.S. thesis, University of Missouri
Current position: Biologist, Missouri Department of Natural Resources
22. Emily Pherigo. 2019. Seasonal fish community and reproductive biology of fishes in two tributaries of the Lower Missouri River USA. M.S. thesis, University of Missouri
Current position: Fish Biologist, U.S. Fish and Wildlife Service
23. Landon Pierce. 2019. Conservation biogeography of lotic fishes in the Missouri and Colorado river basins. PhD Dissertation, University of Missouri
Current position: Fish Biologist, U.S. Fish and Wildlife Service
24. John Brant. 2019. Habitat use and distribution of lithophilic spawning and riffle fishes in the East Fork of the Black River. M.S. thesis, University of Missouri
Current emposition: Fisheries Biologist, Fort Leonardwood Military Base
25. Corey Dunn: 2019. Assessment and diversity of fish communities in non-wadeable tributaries of the Missouri and Mississippi rivers. PhD Dissertation, University of Missouri

Current position: Assistant Leader and Assistant Professor, U.S. Geological Survey,
Mississippi Cooperative Fish and Wildlife Research Unit

26. Michael Thomas: 2020. Field Verification of Electrofishing Immobilization Thresholds of Smallmouth Bass, Flathead Catfish, and Blue Catfish. M.S. thesis, University of Missouri
Current position: Fisheries Biologist, Idaho Fish and Game Department

27. Michael Moore: 2021. Habitat selection and dispersal of Lake Sturgeon in Missouri River tributaries. PhD Dissertation, University of Missouri
Current employment: Assistant Unit Leader and Assistant Professor, U.S. Geological Survey,
Iowa Cooperative Fish and Wildlife Research Unit

Publications

Books

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*denotes graduate student/post doc; **denotes undergraduate student

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Grants Received

- Paukert, C. P., and D. Novinger. Effective Landscape Conservation in Priority Geographies: Coordinating Existing Tools to Assist Managers with Conservation Decisions. MO Department of Conservation \$302,323 (2021-2023)
- Paukert, C. Quantifying the impacts of climate change on fish growth and production to enable sustainable management of diverse inland fisheries. U.S. Geological Survey, Midwest Climate Adaptation Science Center \$195,594.30 (2021-2023)
- Paukert, C., J. Westhoff, and J. Rogosch. Linking stream fish thermal ecology and adaptive capacity to inform watershed-based management and Species Status Assessments. \$316,233.90 (2021-2023)
- Paukert, C. P., and R. Tingley. Developing Adaptation Strategies and Replacement Costs for Recreational and Tribal Fisheries. U.S. Geological Survey, Climate Adaptation Science Center, \$342,887 (2018-2021)
- Paukert, C. P., and A. Turner. Evaluation of the bonus fishery created by the low-density stocking of Striped Bass in Bull Shoals Lake, MO Department of Conservation, \$743,129 (2018-2023).
- Paukert, C. P., and G. Lindner. Potential for conservation lands in Middle Mississippi River floodplains to mitigate flood flows for ecosystem services. U.S. Geological Survey, Science Support Partnership, \$233,520 (2017-2020).
- Paukert, C. P., and M. Byrne. Winter aggregation potential of Grass Carp in Truman Reservoir. U.S. Geological Survey, Columbia Environmental Research Center, \$78,570 (2017-2020)

- Paukert, C. T. Moore, and D. Lobb. Habitat selection and dispersal of Lake Sturgeon in Missouri River tributaries: Implications for species recovery and a future recreational fishery. MO Department of Conservation \$570,777 (2016-2021).
- Paukert, C., and D. Lobb. Habitat use and distribution of lithophilic spawning and riffle fishes in the East Fork Black River. MO Department of Conservation \$139,701 (2016-2019).
- Paukert, C., E. Tracy-Smith, and J. Persinger. Fish community response to stream flow alterations in wadeable Missouri streams. MO Department of Conservation \$549,409 (2015-2019).
- Paukert, C., Z. Ford, and A. Turner. Determining electrofishing immobilization thresholds of Smallmouth Bass, Blue Catfish and Flathead Catfish: A critical step to develop a standardized sampling protocol. MO Department of Conservation \$366,542 (2015-2019).
- Paukert, C. Assessing the impact of climate change on global inland fisheries. U.S. Geological Survey, National Climate and Wildlife Science Center \$262,011 (2014-2016).
- Paukert, C. R. Jacobson, and K. Lubinski. Science to inform management of floodplain conservation lands under non-stationary conditions. U.S. Geological Survey, Northeast Climate and Wildlife Science Center \$165,678 (2014-2016).
- Paukert, C., D. Infante, J. Stewart, T. Wagner, and J. Whittier. A decision support mapper for conserving stream fish habitats of the Northeast Climate Science Center region. U.S. Geological Survey, Northeast Climate and Wildlife Science Center \$199,881 (2013-2015).
- Paukert, C. Developing measures of vulnerability to climate change and disturbance of aquatic communities in Heartland Network national parks. U.S. Geological Survey/National Park Service, Natural Resources Preservation Program. \$147,761 (2013-2016).
- Paukert, C. Linking thermal and dissolved oxygen dynamics to river flow in the Lower Osage River, Missouri. MO Department of Conservation \$265,555 (2013-2018).
- Paukert, C., and E. Tracy-Smith. Assessment of ecological flow data. MO Department of Conservation \$140,224 (2013-2015).
- Paukert, C. Conservation and management of Missouri's mid-sized rivers. MO Department of Conservation \$390,093 (2013-2018).
- Paukert, C., J. Whittier, and A. Rosenberger. Development of reference reaches for Missouri streams. MO Department of Natural Resources \$219,548 (2013-2016).
- Whittier, J. B., and C. P. Paukert. Developing stream temperature and flow models: identification of gaps in the distribution and availability of stream temperature and flow data. U.S. Geological Survey, Northeast Climate Change and Wildlife Science Center. \$12,500 (2012-2013).
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- Paukert, C. P., and L. Eggert. Validation of environmental DNA as a tool for Asian carp detection. U.S. Geological Survey. \$135,326 (2012-2014).
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- Paukert, C. P. Assessing the impact of climate change on biodiversity. U.S. Geological Survey, National Climate Change and Wildlife Science Center. \$400,517 (2011-2013).

- Paukert, C. P., and J. Westhoff. Thermal conditions and stream habitat associations for fishes at Ozarks National Scenic Riverways. U.S. Geological Survey/National Park Service, Natural Resources Preservation Program. \$123,000 (2011-2013).
- Paukert, C. P. The role of tributaries on ecosystem recovery of the Missouri River. US Geological Survey, Science Support Program. \$145,318 (2011-2014).
- Paukert, C. P. Ecological flow linkages in Missouri. Missouri Department of Conservation \$106,039 (2011-2013).
- Paukert, C. P. Distribution and habitat selection of largemouth bass related to artificial habitat structures in Table Rock Lake. Missouri Department of Conservation \$156,839 (2011-2013).
- Paukert, C. P. Invasive bighead and silver carps and the Great Lakes: evaluation of alternative natural food sources for the invading carp. U.S. Geological Survey \$271,406 (2010-2012).
- Paukert, C. P., J. B. Whittier, J. Millspaugh, and R. Gitzen. Evaluation of Humpback Chub Translocations and Native Fish Community Restoration in Grand Canyon Tributaries. National Park Service, Grand Canyon National Park \$90,510 (2010-2013).
- Paukert, C., J. Kershner, D. Infante, S. Hostetler, J. Whittier, L. Johnson, L. Wang, T. Wagner, P. Ferreri, J. Olden, P. Jacobson, D. Pereira, and G. Whelan. Managing the nations fish habitat at multiple spatial scales in a rapidly changing climate. U.S Geological Survey, National Climate Change and Wildlife Science Center. \$2,618,531 (\$636,862 to MU) (2009-2012).
- Paukert, C. P., J. B. Whittier, and J. D. Olden. Conservation planning for fishes in the Upper Colorado River Basin. U.S. Geological Survey, National Biological Information Infrastructure \$779,585 (\$542,780 to MU) (2009-2013).
- Paukert, C. P. Competition between native and non-native fishes in Bright Angel Creek: implications for humpback chub recovery. U.S. Geological Survey/National Park Service, Natural Resources Preservation Program. \$210,000 (2009-2012).
- Paukert, C. P., and M. Daniels. Sand dredging effects on fishes and fish habitat in the Kansas River. Kansas Department of Wildlife and Parks. \$97,341 (2009-2011).
- Paukert, C. P., and M. Daniels. Seasonal fish assemblages and habitat near Bowersock Dam: implications for fish passage. Kansas Department of Wildlife and Parks. \$95,931 (2009-2011).
- Paukert, C. P., and J. B. Whittier. Evaluation of the success of humpback chub translocations in Shinumo Creek. National Park Service, Grand Canyon National Park \$17,684 (2009-2010).
- Paukert, C. P., J. D. Olden, and J. B. Whittier. Development and validation of models to assess the threat to freshwater fishes from environmental change and invasive species. U.S. Geological Survey, Status and Trends Program \$369,993 (2008-2011).
- Paukert, C. P., and J. Gerken. Factors influencing threatened and endangered fishes in the Great Plains. U.S. Fish and Wildlife Service. \$91,149 (2008-2013).
- Paukert, C. P. Effects of zebra mussels on invertebrate and fish abundance, and growth of age-0 largemouth bass: five years after invasions. Kansas Department of Wildlife and Parks. \$30,000 (2008-2010).
- Paukert, C. P. Recruitment of Kansas River fishes. Kansas Department of Wildlife and Parks. \$100,000 (2007-2012).

- Paukert, C. P. Pilot project: inventory and assessment of road-stream crossings for aquatic organism passage. Kansas Department of Transportation. \$115,461 (2006-2009).
- Paukert, C. P., and J. B. Whittier 2006. Development of conservation priorities to protect biodiversity of fishes in the Lower Colorado River Basin. US Geological Survey, National Biological Information Infrastructure. \$314,703 (2006-2009).
- Paukert, C. P. Population dynamics of Kansas River fishes. Kansas Department of Wildlife and Parks. 163,976 (2006-2008).
- Paukert, C. P. Evaluation of sampling protocols used to determine the status and trends of rare and endangered Missouri River fishes. US Geological Survey, Science Support Program. \$103,684 (2005-2008).
- Paukert, C. P., and J. B. Whittier 2005. Determining the influence of current and historic flow variation on native fish species occurrences in the Verde River Basin. US Geological Survey, National Biological Information Infrastructure. \$30,001 (2005-2006).
- Paukert, C. P., and J. B. Whittier 2005. Modeling fish species occurrences in the Verde River basin. US Geological Survey, National Biological Information Infrastructure. \$104,322 (2005-2006).
- Paukert, C. P. Status of blue suckers in the Kansas River. Kansas Department of Wildlife and Parks. 14,975 (2005).
- Paukert, C. P. 2004. Native fish conservation in the Great Plains. Turner Enterprises, Incorporated. 100,000 (2005-2006).
- Paukert, C. P. 2004. Identification of data gaps in published and unpublished literature on fishes in the Lower Colorado River. US Geological Survey, National Biological Information Infrastructure. \$54,290 (2004-2005).
- Paukert, C. P. 2004. Evaluation of trophy potential for flathead catfish in the Kansas River. Kansas Department of Wildlife and Parks. \$136,547 (2004-2006).
- Paukert, C. P., P. J. Sponholtz, and D. L. Ward. 2003. Effects of handling on bonytail. U. S. Geological Survey, Southwest Biological Science Center, Grand Canyon Monitoring and Research Center, Flagstaff, Arizona. \$14,356 (2003-2004).
- Paukert, C. P., and D. W. Willis. 2001. Seasonal food habits of fish in Nebraska Sandhill Lakes. Federal Aid Project Number F-118-R Job Number 2, Segment 4, 5, and 6, Lincoln. \$146,978.
- Paukert, C. P., and D. W. Willis. 2000. Bluegill telemetry and habitat use in Pelican Lake. Nebraska Game and Parks Commission, Federal Aid Project Number F-118-R Job Number 1, Segment 3 and 4, Lincoln. \$141,074.

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