

CURRICULUM VITAE
K. DAVID (DAVE) HAMBRIGHT

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Current Position:

Regents' Professor of Biology, Plankton Ecology & Limnology Laboratory, Ecology & Evolutionary Biology, Geographical Ecology Group, School of Biological Sciences.

Education:

1991-1993: Postdoctoral Fellow, Kinneret Limnological Laboratory, Israel Oceanographic and Limnological Research Institute.
1991: Postdoctoral Associate, Center for Environmental Research, Cornell University, Ithaca, NY.
1986-1991: Ph.D., Ecology and Evolutionary Biology, Cornell University.
1983-1985: M.S., Biology, Texas Christian University, Fort Worth, TX.
1978-1982: B.S., Biology (*cum laude*), University of North Carolina, Charlotte, NC.

Professional Experience:University of Oklahoma:

2015-2018: Director, Environmental Studies (formerly Interdisciplinary Perspectives on the Environment).
2014-2015: Faculty Fellow for Water and the Environment, Dean's Office, College of Arts & Sciences.
2001-pres.: Assistant, Associate, Full Professor, Biological Station and School of Biological Sciences (formerly Biology and Zoology).

Kinneret Limnological Laboratory, Israel Oceanographic & Limnological Research Institute:

1996-2001: Senior Research Scientist (with tenure; equivalent to Associate Research Professor).
1994-1995: Project Leader, Aquatic Studies Program, Hula Wetlands Restoration Project, Israel Lands Authority, and Israel Ministry of Agriculture.
1993-1995: Research Scientist (equivalent to Assistant Research Professor).

Sabbatical and Other Research Appointments:

2001-2006: Adjunct Research Scientist, Kinneret Limnological Laboratory.
2000: Visiting Researcher, Institut für Seenforschung, Langenargen, Germany.
1999: Visiting Researcher, Belarus State University, Naroch Lakes Field Station, Minsk, Belarus.
1997: Visiting Fellow, Cornell University, Department of Ecology and Evolutionary Biology.
1985-1986: Visiting Researcher, Kinneret Limnological Laboratory.

Honors, Awards, and other Recognition:

2021: Recipient of University of Oklahoma distinguished *Regents' Professorship*.
2019: Elected *Sustaining Fellow* of the Association for the Sciences of Limnology and Oceanography (ASLO) for sustained excellence in contribution to ASLO and the aquatic sciences.
2018: Elected *Fellow* of the American Association for the Advancement of Science (AAAS) for distinguished contributions in the field of freshwater plankton biology, particularly for contributions to understanding food web structure and function across multiple trophic levels.
2017: Elected *Fellow* of the Association for the Sciences of Limnology and Oceanography (ASLO) for excellence in contribution to ASLO and the aquatic sciences.
2016: Recipient of the Environmental Excellence Award; Earth Month, Inc.
2014-2018: Appointed to a National Research Council (National Academy of Sciences, Engineering, and Medicine) Study Committee, *Edwards Aquifer Habitat Conservation Program Review*. National Academies, Washington, D.C.
2001: Invited Discussant, Plankton Ecology Group Symposium and Round Table: Recent Developments in Fundamental and Applied Plankton Research, Netherlands Institute of

Ecology, Centre of Limnology, Netherlanders-Flemish Ecological Society, Royal Netherlands Academy of Sciences and Arts, Amsterdam, The Netherlands.

TEACHING

Primary Courses in Annual Rotation:

- 2013-2018: Water and Ecological Sustainability (BIOL 3463/ENST 3463).
 2006-pres.: Lake Ecology (BIOL 4463), formerly Limnology (ZOO 4462) and Limnology Lab (ZOO 4471).
 2005-2006: General Seminar (BIOL 4961/6790).
 2004: Senior Capstone: Water Resources—Preservation and Conservation (BIOL 4983).
 2002-2021: Independent Study and Research (ENST 2940, 2950, 3800, 3940, 3950, BIOL 3960, 3980, 3990, 5990, 6980).
 2001-pres.: Advanced Limnology (BIOL 4663/5663).

Graduate Student supervision:

Graduate Supervision: Major Advisor/Committee Chair

- 2024-pres.: Zahra Alimohammadi, OU. M.S. Biology, in progress, Characterization of genome-based ecophysiology of *Microcystis*. (Study awaiting US entry and visa approval).
 2022-pres: Claire Grimmett, OU. M.S. Biology, in progress, Role of nitrogen and phosphorus stoichiometry on *Microcystis* growth and toxicity.
 2021-pres.: Christopher J. McLimans, Ph.D. EEB-Biology, in progress, Investigations into genome evolution in the cyanobacterium *Microcystis*.
 2018-2022: Daniella Glidewell, M.S. Biology. Distributions and bioaccumulation of microcystins.
 2018-pres.: Eve Minkin, M.S. Biology, progress suspended due to Covid-19, Mechanism of heterotrophy in *Prymnesium parvum*.
 2015-2023: Katherine (Hooker) Cook, Ph.D., EEB-Biology (NSF Graduate Research Fellow), Spatial and temporal perspectives on cyanobacterial ecological dynamics using space-based and genomic approaches. Position after graduation: Senior Scientist, Bend Genetics, Sacramento, CA
 2015-2017: Christopher Acy, M.S., Biology, The roles of stocking rates and lake characteristics in the success of the Florida Largemouth Bass stocking program in Oklahoma. Position after graduation: Aquatic Invasive Species Coordinator, Fox-Wolf Watershed Alliance, Appleton WI.
 2014-2015: Jess R. Eberle, Ph.D. EEB-Biology, progress suspended to pursue career in teaching, Patterns of a piscivore-planktivore interaction across a spatial climate gradient: implications for ecosystem-level responses to global climate change.
 2013-2017: Francisco J. Acosta Espinosa, Ph.D., EEB-Biology, progress suspended after U.S. Presidential election; candidate returned to Mexico to pursue a degree in computer science, Gene-expression and toxicity in *Prymnesium parvum*.
 2013-2016: Brenda Allison-Witt, M.S., Biology, Effect of the toxigenic alga *Prymnesium parvum* on a natural zooplankton community. Position after graduation: Professor of Microbiology and Life Sciences, Redlands Community College, El Reno, OK.
 2010-2017: Thayer Hallidayschult, Ph.D., EEB-Biology, Population dynamics and long-term impacts of the invasive zebra mussel (*Dreissena polymorpha*) in a subtropical reservoir. Position after graduation: Biology Instructor, University of Oklahoma.
 2010-2016: Jessica E. Beyer, Ph.D., EEB-Biology, Freshwater zooplankton: ecology, cryptic species, and global change. OU. Position after graduation: Postdoc, PELL; Current Position: Assistant Research Professor and Lecturer, School of Biological Sciences, OU.
 2009-2010: Emily Rimmel, M.S., Zoology, *Prymnesium parvum*, toxins, and herbivorous zooplankton. OU. Position after graduation: Oklahoma Department of Environmental Quality, Current position: Director of Regulatory Affairs, National Association of Clean Water Agencies

- (NACWA), Washington D.C.; Member of the American Bar Association and the New Hampshire Bar Association; Adjunct Instructor, Environmental Studies, OU.
- 2006-2013: Richard M. Zamor, Ph.D., EEB-Biology, The ecology of an invasive toxigenic protist. OU. Position after graduation: Project/Research Director for Water Quality Laboratory, Ecosystems and Lake Management, Grand River Dam Authority, Current Position: Research Specialist, OU Water Center.
- 2005-2007: Nicole Luke, M.S., Zoology, Ecological role of *Prymnesium parvum*, a toxic golden alga, in Lake Texoma. OU. Position after graduation: Limnologist, Oklahoma Water Resources Board.
- 2004-2007: Matthew Chumchal, Ph.D., Zoology, 2007, Mercury bioaccumulation in fish: consequences for lake and fisheries management. OU. Position after graduation: Assistant Professor, Biology, TCU, Current position: Professor, Biology and Director, Pre-Health Professions Institute, TCU.
- 1998-2003: James Easton, Ph.D., EEB, Zooplanktivory in Lake Kinneret: role of diurnal vertical migration in zooplankton and fishes. Hebrew University of Jerusalem. Position after graduation: Research technician/Field Supervisor, KLL, Present position: Consultant (retired), Mekorot Water Company, Israel.

Graduate Supervision: Committee Member:

- 2024-pres.: Yuxiang Zhang (J. Zhou) Ph.D. Microbiology, OU
- 2023-pres.: Alexis Rinne (R. Cichewicz) Ph.D. Chemistry and Biochemistry, OU
- 2016-2020: Juan Calderon (R. Nairn), Ph.D. Civil Engineering & Environmental Science, OU.
- 2018: Edward D. Higgins (C. Vaughn), Ph.D. EEB-Biology, OU. (2018 only; restructured committee).
- 2017-2018: Francis MacInnis (K. Leighly), Ph.D. Astronomy, OU. (switched to MS program in 2018).
- 2017: Joshua Cooper (B. Wawrik), Ph.D. Microbiology, 2017, OU.
- 2010-2016: Billy Culver (L. Weider), Ph.D. EEB-Biology, OU.
- 2014-2015: Juan Calderon (R. Nairn), M.S. Civil Engineering & Environmental Science, OU.
- 2011-2014: Jess R. Eberle (G. Wellborn), M.S. Biology, 2014, OU.
- 2010-2013: Jesse Becker (W. Nowlin), Ph.D. Biology, Texas State University, San Marcos.
- 2005-2011: William Andrews (R. Nairn), Ph.D. Civil Engineering and Environmental Sciences, OU.
- 2008-2010: Aram Goodwin (Y. Erez), M.S. Geology, Hebrew University of Jerusalem.
- 2007-2009: Darcy Lutes (R. Nairn), M.S. Civil Engineering and Environmental Sciences, OU.
- 2004-2007: Punidan Jeyasingh (L. Weider), Ph.D. EEB-Zoology, OU.
- 2004-2007: Daniel Spooner (C. Vaughn), Ph.D. Zoology, OU.
- 2002-2004: Robert Ryan (W. Shelton), M.S. Zoology, OU.
- 2002-2003: Matthew Chumchal (R. Drenner), M.S. Biology, 2003, TCU.

Graduate Supervision: Laboratory and field mentoring:

- 2009-2010: Maria Pilar Beltran Zuniga (study abroad), M.S. 2010, Universitat de València, Spain
- 2009-2010: Jennifer M. McAllister (R. Nairn), M.S. 2010, Civil Engineering and Environmental Sciences, OU
- 2008-2010: Leonid Sukharnikov (B. Roe), Ph.D. 2010, Chemistry and Biochemistry, OU.
- 2008: Adriane C. Jones (D. Caron), Ph.D. 2013, Marine Biology, University of Southern California.
- 2007-2011: Jon Henrikson (R. Cichewicz), Ph.D. 2011, Chemistry and Biochemistry, OU.
- 1993-1994: Sigal Balshine Eam, Ph.D. 1995, Zoology, Cambridge University.

Postdoctoral and Early Career Researcher Supervision:

- 2021-pres.: Jessica E. Beyer, Ph.D. 2016, OU. Research Assistant Professor of Biology and Manager, Plankton Ecology and Limnology Laboratory.
- 2019-2023: Haiyuan Cai, Ph.D. 2009, Xiamen University, China. Postdoctoral Researcher, Molecular ecology of *Microcystis* and the *Microcystis* microbiome.
- 2017: Dayong Zhao, Ph.D. 2009, Nanjing University, China. Visiting Scholar, Microbial ecology of lakes. (Home institution: Hohai University, Nanjing, China).

- 2016-2021: Jessica E. Beyer, Ph.D. 2016, OU. Postdoctoral Researcher, Spectral characterization, modeling, and ecology of harmful algae. Position after: Research Assistant Professor of Biology and Manager, Plankton Ecology and Limnology Laboratory
- 2013-2014: Richard M. Zamor, Ph.D. 2013, OU. Postdoctoral Researcher, Ecology of golden algae, Position after: Watershed Biologist, Ecosystems and Education, Grand River Dam Authority (GRDA), Langley, OK, Current position: Assistant Professor, Department of Biological Sciences, Northeastern Oklahoma State University, Tahlequah, OK.
- 2013: Jinheng Zhang, Ph.D. 2003, Zhejiang University, China. Visiting Scholar, Remote sensing of water quality and harmful algae in Oklahoma's lakes. (Home institution, Qingdao University of Science & Technology, China.)
- 2009-2012: James D. Easton, Ph.D. 2003, Hebrew University of Jerusalem. Researcher III and Field Manager, Plankton Ecology and Limnology Laboratory, University of Oklahoma Biological Station. Position after: Consultant (retired), Mekorot Water Company, Israel.
- 2006-2007: James H. Larson, Ph.D. 2006, University of Notre Dame. Postdoctoral Fellow, The effect of *Prymnesium parvum* toxins on nutrient cycling in Lake Texoma. Position after: Research Fisheries Biologist, U.S. Geological Survey, Upper Midwest Environmental Sciences Center, La Crosse, Wisconsin.
- 2006-2008: James D. Easton, Ph.D. 2003, Hebrew University of Jerusalem. Postdoctoral Associate, Ecotoxicology and environmental monitoring of *P. parvum* in Lake Texoma. Position after: Researcher III/Field Manager, Plankton Ecology and Limnology Laboratory, University of Oklahoma Biological Station.
- 2005: Peter J. Unmack, Ph.D. 2005, Arizona State University. Postdoctoral Associate, Ecotoxicology and environmental monitoring of *P. parvum* in Lake Texoma. Position after: Post-doctoral Research Associate, National Evolutionary Synthesis Center (NESCent). Current position: Research Fellow, Institute for Applied Ecology, University of Canberra, Australia.
- 2005-2006: Chad W. Hargrave, Ph.D. 2005, OU. Postdoctoral Researcher (with L. Weider), Effects of genetic diversity on Daphnia regulation of ecosystem function. Position after: Assistant Professor, Biological Sciences, Sam Houston State University. Current position: Professor of Biology and Associate Provost and Chief Research Officer, Office of Research and Sponsored Programs, Sam Houston State University.
- 2000: Steve Blumenshine, Assistant Professor, Arkansas State University, Visiting Research Scholar, Kinneret Limnological Laboratory. Current position: Interim Exec Director – CSU WATER (Water Advocacy; Technology, Education, Research), Fresno State University, California.
- 1998-1999: Steven S. Schwartz. Ph.D. 1981, University of Nebraska. Postdoctoral Research Fellow, Kinneret Limnological Laboratory, Paleolimnological and historical perspectives of *Bosmina* in Lake Kinneret. Position after: Assistant Professor, Oklahoma State University, Stillwater. Current position: Adjunct Professor (retired), Bridgewater State University, Boston.

Technical Supervision:

- 2021: Claire Grimmett, Research Technician, OU.
- 2018: Daniella Glidewell, Research Technician, OU.
- 2012: Trier Ward, Research Scientist I, OU.
- 2010-2011: Ann Morris, Research Technician, OU.
- 2008-2012: James Easton, Research Scientist III, OU.
- 2007-2011: Karen L. Glenn, Research Scientist III, OU..
- 2006-2012: Anne Easton, Research Scientist II, OU.
- 1998-2001: Yehudit Viner-Mozzini, Laboratory Technician, KLL.
- 1993-2003: Bonnie Azoulay, Laboratory Technician, KLL.

Post-baccalaureate Research Supervision:

- 2023-2024: Jon Vincent Zuri Martinez, Research Technician, OU.
- 2021-2022: Claire Grimmett, OU. Impact of nutrients on the *Microcystis* microbiome.

Undergraduate Research Supervision:

- 2024-pres.: Christopher Tow, Biology, OU. Comparative physiology of *Microcystis* geno-species.
- 2023-2024: Mark Nagykalai, Biology and Honors College, OU. *Microcystis* genomics and evolution.
 *Undergraduate Research Opportunities Program Award, Honors College
 Thesis: Development and Refinement of PCR Markers for *Microcystis* taxonomy.
- 2023-pres.: Olivia Tow, Biology/Environmental Studies, OU. Research experiences in aquatic ecology and evolution.
- 2022-2024: Maegan Wendt, Biology and Honors College, OU. *Microcystis* eco-physiology.
- 2019-2020: Abigail Idleman, Biology/Environmental Studies-Dual, OU. Microplastics and cyanobacteria.
- 2018: Adrienne Camario, Environmental Studies, OU. Algal ecology.
- 2018: Mary Larson, Biology, OU. Phytoplankton and harmful algal bloom ecology of Lake Thunderbird, Norman, OK.
- 2017-2019: Garrett Eakers, Microbiology and Honors College, OU. Molecular quantification of cyanobacterial biomass and potential exposure to cyanobacterial toxins.
 *Louis Stokes Alliance for Minority Participation Scholar, National Science Foundation
 *Undergraduate Research Opportunities Program Award, Honors College; Honors Thesis: A molecular-genetic approach to enumerating cyanobacteria.
- 2017: Claire Milligan, Environmental Studies, OU. Environmental Research Experiences for Students; Cyanobacterial ecology and water quality.
- 2017: Jacqueline Quezada, Redlands Community College NASA Intern Program. Remote sensing of water quality in Lake El Reno, OK.
- 2016-2018: Wyatt DeSpain, Biology/Environmental Studies, OU. Cyanobacteria-zooplankton interactions.
- 2016: Emily Young, Environmental Studies, OU. Environmental correlates of the Florida Largemouth Bass stocking program in Oklahoma.
- 2016: Lena Wilson, Biology, Environmental Studies and Honors College, OU. Remote sensing of water quality in Oklahoma reservoirs.
 Honors Thesis: Potential effect of turbidity on chlorophyll reflectance in Lake Thunderbird, Oklahoma.
- 2015-2016: Joey C. DeAngelis, Biology and Honors College, OU. Meta-analysis of global zebra mussel research.
- 2014-2015: Brandon Chien, Biology and Honors College, OU.
- 2013-2016: Daniella Glidewell, Biology/Journalism and Honors College, OU.
 *Undergraduate Research Opportunities Program Award, Honors College; Honors Thesis: The effects of food quality and quantity on reproduction in the rotifer *Brachionus calyciflorus*.
 *Honors College Award for Distinguished Undergraduate Research, Undergraduate Research Day (April 2015).
- 2013-2015: Kathryn Shauberg, Biology and Honors College, OU.
 *Undergraduate Research Opportunities Program Award, Honors College
 Honors Thesis: Selective feeding may benefit zebra mussels in cyanobacteria-dominated lakes.
- 2013: Emily Day, Geography and Environmental Sustainability, OU.
- 2013: Ellen Gross, Microbiology, OU.
- 2012: Ana Mohammed-Zadeh, Biology and Honors College, OU.
- 2012: Jarrod Hertzler, Biology, University of Central Oklahoma (UCO), Edmond.
- 2011: Joshua Warren, Chemistry/Biochemistry, OU.
- 2010: Jeffrey F. Hayworth, Zoology, OU.
- 2010: Merric Dosser, Zoology, OU.
- 2010: Zane Russell, Zoology, OU.
- 2009: Logan O. Beard, Zoology, OU.
- 2008-2011: Brenda Allison, Zoology, OU.
 *Outstanding Senior, Department of Zoology.
- 2007-2009: Majed Gharfeh, Biomedical Engineering, Biochemistry, OU.
 *Undergraduate Research Opportunities Program Award, Honors College

- Honors Thesis: Isolation and characterization of golden algal toxins. (Co-advisor with R.H. Cichewicz, Chemistry and Biochemistry)
- 2007-2008: Emily Remmel, Zoology, OU.
 *Undergraduate Research Opportunities Program Award, Honors College
 Thesis: Effects of toxigenic golden algae on feeding behaviors of herbivorous zooplankton.
 *Mark Coleman Fellow, Interdisciplinary Perspectives on the Environment.
 *Outstanding Senior, Department of Zoology.
- 2007: Elizabeth Pearsall, Zoology, OU.
- 2004: Beatriz E. Santamaria (study abroad), B.S. 2005, Biology, Universidad Simon Bolivar, Caracas, Venezuela.
- 2002-2004: Jihye Yoon, Zoology, OU.
- 2001-2005: Nicole Luke, Microbiology and Zoology, OU.
 *Undergraduate Research Opportunities Program Award, Honors College
 Thesis: Grazing and nutrient remineralization by *Daphnia mendotae*.
- 2001: Mitch Moore, Zoology, OU.

High School Student AP-Honors Research Supervision

- 2015-2017: Stephanie Horsfall, Southmoore High, AP Science, pH effects on Microcystis toxin production.
 African American, High School Junior, awarded 1st place in the Earth & Environmental Science category in regional competition, and the Stockholm Water Prize at the Oklahoma State Science and Engineering Fair for her project entitled, Effect of altering pH on toxin production in cyanobacteria. Stephanie is currently attending Yale Medical School as a Ph.D. student in the Health Policy and Management Department.
- 2015-2016: Zane Tilson, Southmoore High, AP Science, Environmental control of lipid production in algae. High School Senior, 1st Place in Energy (chemical) category; "Outstanding Exhibit from Yale University", "Metrics Award", and the "Naval Research Award" at the Regional Science and Engineering Fair held at University of Central Oklahoma. At the Oklahoma state level (i.e., the State Science and Engineering Fair at ECU), awarded the Oklahoma Corporation Commission Award for Sustainable Energy Research; The RICOLA Sustainable Development Award; a Northwestern Oklahoma University Scholarship; 1st Place in the category "Energy, Transportation and Engineering; and a nomination to attend ISWEEEP (International Sustainable World Project Olympiad, Houston TX)-awarded the Bronze Medal (Energy category).

ACADEMIC AND PROFESSIONAL SERVICE

Academic Service:

University:

- 2023-pres: Member, Oklahoma State Regents for Higher Education (OSRHE) Faculty Advisory Council.
- 2022-2024: Member, Faculty Rights Assurance Committee.
- 2018-pres.: Member (At-large), Secretary, Chair-elect, Chair, Past-chair, Faculty Senate Executive Committee.
- 2017-2020: Member, Faculty Senate.
- 2018-2019: Member, Vice President for Research Faculty Awards Selection Committee.
- 2015-2019: Founder and Organizer, EarthMonth@OU. (Received Environmental Excellence Award, March 2016; Earth Month, Inc.).
- 2015-2018: Member (*ex-officio*), Environmental Concerns Committee.
- 2015-2018: Faculty Sponsor for OUR Earth Student Organization.
- 2016-2017: Member, Landscape Architecture Faculty Search Committee.
- 2015: Member, CORIX Site visit team (Vancouver and Victoria, Canada), Office of the Vice President for Research.

- 2015: Member, Water Innovation Research Laboratory Development Committee II, Office of the Vice President for Research.
- 2014-2015: Member, Committee for Water Research, Education, and External Engagement, Office of the Vice President for Research.
- 2013-2014: Member, Planning Committee for the Water Innovation Research Laboratory, University Research Cabinet.
- 2011-2012: Member, Faculty Senate Ed Cline Faculty Development Awards Committee.
- 2010: Member, Vice President for Research Task Force on University Research Awards.
- 2009-2012: Member, Research Council, Office of the Vice President for Research:
 2011: Subcommittee on Conflict of Interest Policy.
 2010-2011: Task Force on Research Council Portfolio Revision.
 2010: Subcommittee on Potentially Transformative Research Program.
- 2007: Team leader, Alpha Time: Center for Water Literacy and Sustainability—An Educational and Research Forum for the Sustainable Development, Preservation, and Conservation of Water Resources and their Biodiversity in Oklahoma, OU Research Cabinet.

College of Arts and Sciences:

- 2022-2023: Member, John H. and Jane M. Patten Teaching Award Committee
- 2018-2020: Member, Faculty Awards Committee (Kinney-Sugg Outstanding Professor Award, Longmire Prize for Teaching, and Irene Rothbaum Outstanding Assistant Professor).
- 2017-2018: Member, Strategic Plan Signature Initiative Leadership; Chair: Committee on Advancing the Study of Water, Natural Resources, and the Environment.
- 2015-2017: Member, Course and Curriculum Committee.
 2016-2017: Committee Chair.
- 2014-2015: Faculty Fellow for Water and the Environment, Office of the Dean.
- 2006-2012: Member, Berlin Scholarship Committee
 2006-2012: Committee Chair.

Departmental (Environmental Studies):

- 2019-2022: Affiliate Faculty Member.
- 2016-2018: Chair, EarthMonth@OU Planning Committee.
- 2016-2018: Director, Environmental Studies.
- 2015-2017: Environmental Studies Academic Advisor.
- 2014-2015: Interim Director, Interdisciplinary Perspectives on the Environment.
- 2013-2014: Member, Committee A (Executive Personnel Committee).
- 2002-2014: Affiliate Faculty Member.

Departmental (Biological Sciences, formerly Biology, formerly Zoology):

- 2024-pres.: Chair, Faculty Affairs Committee (Awards and Personnel Policy)
- 2024-pres.: Chair, Physiological Ecologist Search Committee
- 2022-2024: Member, Committee A (Personnel committee)
- 2017-2022: Member, Graduate Selections Committee.
- 2015-2017: Member, Graduate Scholarship Committee.
- 2015-2016: Member, Geographical Ecology Cluster Hire Search Committee.
- 2014-2015: Member, Graduate Selections Committee.
- 2014: Organizer, Ecology and Evolutionary Biology Graduate Seminar Series (EcoMunch).
- 2013-2014: Member, Graduate Studies Committee.
- 2010-pres.: Member, Graduate Program in Ecology and Evolutionary Biology Steering Committee.
- 2009-2012: Organizer, Ecology and Evolutionary Biology Graduate Seminar Series (EcoMunch).
- 2009-2012: Member, Graduate Studies Committee.
- 2009: Member, Adams Scholarship Committee.
- 2009: Chair, Annual Retreat Organizing Committee.
- 2008-2012: Member, Biological Station Graduate Student Scholarship Committee.
- 2008-2009: Member, Graduate Selections Committee.
- 2006-2012: Member, Biological Station Committee A (Personnel committee).

2006-2008: Member, Library Committee.
 2005-2006: Member, Adams Scholarship Committee.
 2004-2006: Member, General Seminar Committee.
 2002-2005: Member, Graduate Selections Committee.
 2001-2002: Member, Safety Committee.

Professional Service:

2022: Reviewer, National Academies of Sciences, Engineering, and Medicine. 2022. *The Future of Water Quality in Coeur d'Alene Lake*. Washington, DC: The National Academies Press. doi: 10.17226/26620.

2021: Organizer and Chair, Special Session: *Life in the Cyanobacterial Phycosphere: Using Genomic Tools to Understand Bacterial, Archaeal, Fungal, and Viral Interactomes*, Association for the Sciences of Limnology and Oceanography Annual Meeting; 22-27 June; virtual.

2021: Co-organizer and Co-chair, Special Session: *Author spotlight: recent high-impact authors from the ASLO journals*, Association for the Sciences of Limnology and Oceanography Annual Meeting; 22-27 June; virtual.

2019: Member, Review Panel, Ecology and Oceanography of Harmful Algal Blooms (ECOHAB), Center for Sponsored Coastal Ocean Research, National Oceanic and Atmospheric Administration (NOAA), Washington, D.C.

2018-pres.: Editor-in-Chief, *Limnology and Oceanography* (Flagship journal of the Association for the Sciences of Limnology and Oceanography; ~1,200 manuscripts annually).

2018-2019: Member, Planning Committee for 10th US Harmful Algal Bloom Conference, Orange Beach/Gulf Shores, AL.

2018: External Graduate Program Reviewer: Center for Environmental Studies, Environmental Science M.S. program, Tarleton State University, Stephenville, TX.

2017: Member, Review Panel, Research Opportunities in Space and Earth Science (ROSES), National Aeronautics and Space Administration (NASA), Washington, D.C.

2017: Member, Review Panel, Division of Integrative and Organismal Systems (IOS), National Science Foundation (NSF), Washington, D.C.

2016-2022: Elected Member, National Harmful Algal Bloom Committee (two 3-year terms).

2015-2016: Elected Board Member, Oklahoma Clean Lakes and Watersheds Association.

2015: Session Chair, Freshwater Biodiversity Under Multiple Pressures, 9th Symposium for European Fresh Water Sciences, Geneva, Switzerland.

2014-2018: Member, National Academy of Sciences, Engineering, and Medicine Study Committee (formerly the National Research Council), Edwards Aquifer Habitat Conservation Program Review, National Academies, Washington, D.C.

2013-2018: Chair, South-Central U.S. Chapter of the Society for Freshwater Science (formerly the Oklahoma-Texas Aquatic Research Group).

2012: Member, Oklahoma HAB Monitoring Task Force, Office of the Secretary of the Environment.

2011: Host and Co-Organizer, Joint Oklahoma-Texas Aquatics Research Group and 36th Great Plains Limnology Conference.

2009-2017: Member, Zebra Mussel Task Force, Oklahoma Department of Wildlife Conservation.

2009-2011: Consultant, West Virginia Department of Environmental Protection, Charleston, WV.

2009: Panel member, Bridging the Gap Between Golden Alga Research and Management, Texas Parks and Wildlife Department Roundtable Discussion, 2nd International Golden Alga Symposium, Ft. Worth, TX.

2008-2011: Member, Water Quality Trends Assessment Committee, Oklahoma Water Resources Board.

2008: Host and Co-Organizer, Joint Oklahoma-Texas Aquatics Research Group and 35th Great Plains Limnology Conference.

2007-2017: Member, Lake Texoma Advisory Committee, U.S. Army Corps of Engineers, Tulsa, OK.

2006: Senior Editor, *Water in the Middle East: Cooperation and Technical Solutions in the Jordan Valley*. Sussex Academic Press, Brighton, U.K.

- 2005: Host and Co-Organizer, Joint Oklahoma-Texas Aquatics Research Group and Texas River and Reservoir Management Society.
- 2005: Session Chair, General Zooplankton, Annual meeting of the American Society of Limnology and Oceanography, Santiago de Compostela, Spain.
- 2004: Co-organizer, Chair, and Facilitator, Middle East Water Working Groups-IV, University of Oklahoma International Programs Center, Center for Peace Studies, US State Department, and US AID for International Development, Amman, Jordan.
- 2003 (Dec): Co-organizer, Chair, and Facilitator, Middle East Water Working Groups-II, University of Oklahoma International Programs Center, Center for Peace Studies, US State Department, and US AID for International Development, Amman, Jordan.
- 2003: Session Chair, Physiological Ecology, Ecotoxicology, and Pollution, 3rd Symposium for European Freshwater Sciences, Edinburgh, Scotland.
- 2003 (Jun): Co-organizer, Chair, and Facilitator, Middle East Water Working Groups-I, University of Oklahoma International Programs Center, Center for Peace Studies, US State Department, and US AID for International Development, Plano Platres, Cyprus.
- 2002: Host and Organizer, Joint Oklahoma-Texas Aquatics Research Group and 29th Great Plains Limnology Conference.
- 2002-2005: Member, Education Resources Web Page Sub-Committee, American Society of Limnology and Oceanography Education Committee.
- 2001: Founded the Oklahoma-Texas Aquatics Research Group.
- 2001: Session Chair, Zooplankton Ecology, Annual meeting of the American Society of Limnology and Oceanography, Albuquerque, NM.
- 1998-2000: Co-editor, *Lake Management: 2000+*, Special issue of *Advances in Limnology*, vol. 55, Schweizerbart, Berlin.
- 1997-1998: Editor, *Hula Wetlands (Israel) Restoration Project*, Special double-issue of *Wetlands Ecology and Management*, vol. 6 (2-3).
- 1991-pres.: Peer Reviewer (*ad hoc*).
 Scholarly journals: (61 journals): 205 articles.
 Funding agencies: (22 agencies): 66 grant proposals.

Membership in Professional Societies

American Association for the Advancement of Science (2001, 2003, 2007, 2009-present; *Fellow* since 2018)

American Fisheries Society (1985-2013)

American Society of Naturalists (1994-present)

Association for the Sciences of Limnology and Oceanography (formerly American Society of Limnology and Oceanography; 1985-present; *Fellow* since 2017; *Sustaining Fellow* since 2019)

Ecological Society of America (1985-present)

International Society of Limnology (formerly International Association of Theoretical and Applied Limnology, and Societas Internationalis Limnologiae, SIL; 1989-present)

Oklahoma Clean Lakes and Watersheds Association (2001-2016; Board of Directors, 2015-16)

Sigma Xi - The Scientific Research Society (1992-present)

Society for Freshwater Science (2013-present).

RESEARCH

Research Grants and Other Awards (total = \$8.54M)2024

Hambright, K.D. Evolution and ecology of the freshwater harmful alga *Microcystis* and its microbiome; Office of the Vice President for Research and Partnerships Bridge Funding Investment Program; 6 mo. **\$46,567.**

2021

Hambright, K.D. Harmful algal blooms and public safety: a monitoring and research program aimed at understanding cyanobacterial blooms and toxin production; US Geological Survey—National Institutes for Water Research (administered through Oklahoma State University Water Center); 4 yr; PI; **\$502,668** (incl. \$252,699 institutional match¹).

Hambright, K.D., L.R. Krumholz. Supplementary Funding: Dimensions: Collaborative research: The cyanobacterial bloom microbial interactome as a model for understanding biogeographical and seasonal patterns in functional biodiversity; National Science Foundation-DEB-REPS; 4 yr; PI; **\$85,301.**

2020

Hambright, K.D. Challenging the broadcast allelopathy paradigm in toxigenic microbial eukaryotic ecology-supplement; National Science Foundation-IOB; 2 yr; PI; **\$85,114.**

2019

Hambright, K.D., D. Zhao. Effects of water level and soil quality on the rhizosphere bacterial community of *Phragmites australis* in littoral zone of Lake Taihu; The Belt and Road Special Foundation of the State Key Laboratory of Hydrology-Water Resources and Hydraulic Engineering (China); 2 yr; PI; 150,000 RMB (**\$22,500**).

2018

Hambright, K.D., L.R. Krumholz, A.E. Wilson, H. Paerl, M. Steffen-Wurch. Dimensions: Collaborative research: The cyanobacterial bloom microbial interactome as a model for understanding biogeographical and seasonal patterns in functional biodiversity; National Science Foundation-DEB; 7 yr; PD/PI; **\$1,999,996.**

2017

Hambright, K.D. Challenging the broadcast allelopathy paradigm in toxigenic microbial eukaryotic ecology; National Science Foundation-IOB; 3 yr; PI; **\$300,000.**

Hambright, K.D. Genetic analyses in support of ODWC fisheries programs: Largemouth bass microsatellites and golden algae-related fish kills; Oklahoma Department of Wildlife Conservation; 3 years; PI; **\$60,000.**

2016

Krumholz, L.R., Hambright, K.D., Toward a genomic-based understanding of an emerging environmental problem; University of Oklahoma Research Council; 1 year; CoPI; **\$14,700.**

Hambright, K.D., Suflita, J.M., McInerney, M.J., Broughton, R.E., Dunn, A.K., Schlupp, I.B., Vaughn, C.C., Weider, L.J., Allen, D.C., Environmental Research Experiences for Students-Laboratory (ERES Laboratory); The University of Oklahoma, College of Arts and Sciences; 1 year; PI/PD; **\$25,000.**

Hambright, K.D. Genetic analyses in support of ODWC fisheries programs: Largemouth bass microsatellites and golden algae-related fish kills; Oklahoma Department of Wildlife Conservation; 1 year; PI; **\$15,662.**

¹ Institutional matching funds included when sponsor limits Indirect Cost (IDC) recovery.

2015

Hambright, K.D. Genetic analyses in support of ODWC fisheries programs: Largemouth bass microsatellites and golden algae-related fish kills; Oklahoma Department of Wildlife Conservation; 1 year; PI; **\$15,293**.

2014

Hambright, K.D. Genetic analyses in support of ODWC fisheries programs: Largemouth bass microsatellites and golden algae-related fish kills; Oklahoma Department of Wildlife Conservation; 1 year; PI; **\$15,000**.

Hambright, K.D. Analysis of black bass genetics using microsatellites. Oklahoma Department of Wildlife Conservation, 6 months, PI, **\$15,000**.

2013

Hambright, K.D., B. Wawrik, F. Najar. Toward a genomic-based understanding of an emerging environmental problem. OU Research Council Faculty Investment Program, 1 yr., PI, **\$14,700**.

Hambright, K.D., X. Xiao, and A. Dzialowski. Remote sensing of water quality and harmful algae in Oklahoma's lakes. Oklahoma Water Resources Research Institute, 1 year, PI, **\$75,000** (incl. \$25,000 institutional match).

2012

Kelly, J., R. Hewes, R. Knapp, M. Kaspari, C. Vaughn, K.D. Hambright, L.J. Weider, and M. Yeary. Ecology and Evolutionary Biology. US Department of Education-GAANN, 4 years, co-PI, **\$408,315**.

Hambright, K.D. Analysis of Florida and Northern strain Largemouth bass using microsatellites. Oklahoma Department of Wildlife Conservation, 1 year, PI, **\$15,000**.

2011

Hambright, K.D. Analysis of Florida and Northern strain Largemouth bass using microsatellites. Oklahoma Department of Wildlife Conservation, 1 year, PI, **\$15,000**.

Hambright, K.D., L.J. Weider, and G. Wellborn. Building research collaboration for the future: enhancement of the UOBS Aquatic Research Park. National Science Foundation, 3 years, PI, **\$248,642**.

Hambright, K.D. Cyanobacterial monitoring in Lake Texoma. US Department of Defense, Army Corps of Engineers, 3 months, PI, **\$2,475**.

2010

Hambright, K.D. Analysis of Florida and Northern strain Largemouth bass using microsatellites. Oklahoma Department of Wildlife Conservation, 1 year, PI, **\$15,000**.

Hambright, K.D. Golden algae enumeration by qPCR. West Virginia Department of Environmental Protection, 1 year, PI, **\$24,913**.

Hambright, K.D. Invasive and toxic golden algae in Lake Texoma: research to identify practical management measures for regulation of toxicity and prevention of blooms-Supplement. Oklahoma Department of Wildlife Conservation, 1 year, PI, **\$32,000** (incl. \$8,000 institutional match).

Hambright, K.D. *Prymnesium parvum* growth studies using the Dunkard Creek isolate (WANA strain). West Virginia Department of Environmental Protection, 1 year, PI, **\$2,494**.

Hambright, K.D. and R.M. Zamor. Effects of propagule pressure and invasion resistance on establishment success of the toxic golden alga, *Prymnesium parvum*. NSF-Doctoral Dissertation Improvement Grant (R.M. Zamor), 2 years, PD, **\$14,000**.

Hambright, K.D. Instructional Technology for Ecology of Lakes and Advanced Limnology Laboratories College of Arts and Sciences Instructional Technology Grant, **\$12,269**.

Hambright, K.D. Travel to the Annual Meeting - American Society of Limnology and Oceanography (Santa Fe, NM), College of Arts and Sciences Faculty Enrichment Award, **\$1,200**.

2009

Hambright, K.D. and R.H. Cichewicz. Early warning molecular and chemical detection of the toxigenic alga *Prymnesium parvum* in Oklahoma waters. OU Research Council, 1 year, PI, **\$9,513** (incl. \$2,000 match).

2008

Hambright, K.D. Travel to the International Meeting - American Society of Limnology and Oceanography (St. John's, Newfoundland), College of Arts and Sciences Faculty Enrichment Award, College of Arts and Sciences Travel Award, Office of the Vice President for Research Travel Award, Biological Station Travel Award, Total funding: **\$3,531**.

2007

Hambright, K.D. Invasive and toxic golden algae in Lake Texoma: research to identify practical management measures for regulation of toxicity and prevention of blooms. Oklahoma Department of Wildlife Conservation, 5 years, PI, **\$2,370,805** (incl. \$605,970 institutional match).

Zohary, T. and K.D. Hambright. Stable isotope and stoichiometric analysis of recent species changes in Lake Kinneret. US-Israel Bi-National Science Foundation, 4 years, Co-PI, **\$126,000**.

2006

Hambright, K.D. Environmental monitoring program for *Prymnesium parvum* in Lake Texoma. Oklahoma Department of Wildlife Conservation, 2 years, PI, **\$501,243** (incl. \$134,699 institutional match).

Hambright, K.D. Habitat variation in mercury contamination in fishes: A novel experimental approach to quantify mercury methylation across habitat types. University of Oklahoma Research Council, summer, PI, **\$8,777**.

2005

Hambright, K.D. Toxicological and ecological role of *Prymnesium parvum* in Lake Texoma. Oklahoma Department of Wildlife Conservation, 2 years, PI, **\$270,778** (incl. \$88,496 institutional match).

Hambright, K.D. Travel to the International Meeting - American Society of Limnology and Oceanography (Santiago de Compostela, Spain) and Institutional Exchange Visit with Blaise Pascal University Biological Field Station at Besse (Clermont-Ferrand, France), College of Arts and Sciences Travel Award, College of Arts and Sciences Faculty Enrichment Award, Office of the Vice President for Research Travel Award, Presidential International Travel Fellowship, Biological Station Travel Award, Total funding: **\$5,054**.

2004

Hambright, K.D. Fish, mercury and human health: preliminary data on factors affecting mercury levels in fish. University of Oklahoma College of Arts and Sciences Junior Faculty Summer Fellowship, 6 months, PI, **\$6,000**.

2003

Hambright, K.D. Renovation of the Lake Kinneret zooplankton monitoring program. The Israel Water Commission, 2 years, PI, NIS 86,250 (USD equiv. = **\$19,167**).

Hambright, K.D. Algal-nutrient dynamics in fresh waters: direct and indirect effects of zooplankton grazing and nutrient remineralization. Oklahoma Water Resources Research Institute, 1 year, PI, **\$76,703** (incl. \$51,759 institutional match).

2002

Yacobi, Y.Z., T. Zohary, K.D. Hambright, and A. Sukenik. Microscopical plankton in the Yarkon River. The Yarkon River Authority, 2 years, Co-PI, NIS 51,100 (USD equiv. **\$11,356**).

Hambright, K.D. Morphological and life history analysis of the *Bosmina longirostris* complex in Lake Kinneret, Israel: factors allowing the co-existence of two similar morphotypes. University of Oklahoma College of Arts and Sciences Junior Faculty Summer Fellowship, 6 months, PI, **\$6,000**.

Weider, L.J., G.A. Wellborn, and K.D. Hambright. Expansion of housing facilities for guest researchers at the University of Oklahoma Biological Station. National Science Foundation, 3 years, Co-PI, **\$350,000** (incl. \$162,500 institutional match)

2001

Hambright, K.D. Long-term changes in Lake Kinneret zooplankton: analysis of a 30-year record. Israel Ministry of Infrastructures and Energy, 3 years, PI, NIS 180,000 (USD equiv. **\$44,000**).

2000

Hambright, K.D., A. Parparov, and T. Berman. Development and integration of a water quality index for Lake Kinneret. Israel Water Commission, 2 years, PI, NIS 80,000 (USD equiv. **\$20,000**).

1999

W. Eckert, Y. Yacobi, I. Ostrovsky, and K.D. Hambright. High-resolution vertical and temporal monitoring in Lake Kinneret. Israel Water Commission, 1 year, Co-PI, NIS 50,000 (USD equiv. **\$12,500**).

1998

Hambright, K.D., T. Zohary, and H. Güde. Indirect zooplankton effects on water quality: grazing and nutrient remineralization. German Federal Ministry of Education and Research, 3 years, PI, DM 259,000 (USD equiv. **\$143,889**).

Parparov, P., K.D. Hambright, L. Håkanson, V. Boulion, and A. Ostapenya Establishment of water quality indices for natural waters of Belarus and Ukraine. European Union, 2 years, Co-PI, **\$35,000**.

1997

Hambright, K.D. and W. Eckert. Phosphorus dynamics of the sediment-water interface of Lake Agmon (Hula Valley, Israel). Israel Lands Authority and Israel Ministry of Agriculture, 1 year, PI, NIS 15,000 (USD equiv. **\$4,213**).

Berman, T., A. Parparov, and K.D. Hambright. Establishment of water quality indices for Lake Kinneret. Israel Ministry of the Environment, 1 year, Co-PI, NIS 40,000 (USD equiv. **\$11,236**).

1995

Hambright, K.D. and W. Eckert. Potential relationship between water discharge regime, water levels, and phosphorus accumulation in Lake Kinneret. Israel Ministry of Energy and Infrastructure, 1 year, PI, NIS 44,896 (USD equiv. **\$15,219**).

Gophen, M., P. Walline, and K.D. Hambright. The Limnology of Lake Ilopango, (El-Salvador). The Friends Association of Lake Ilopango, 1 year, Co-PI, **\$36,000**.

1994

Zohary, T. and K.D. Hambright. Administration Grant: Scientific Coordination of the Aquatic Studies Program of Hula Restoration Project, Israel Lands Authority and Israel Ministry of Agriculture, 4 years, Co-PI, NIS 160,000 (USD equiv. **\$53,333**).

1991

Hambright, K.D. Research Fellowship: Trophic ecology in Lake Kinneret. United States-Israel Binational Agricultural Research and Development Fund, 1.5 years, PI, **\$39,500**.

Hambright, K.D. and S. Fridman. Development of computer-assisted plankton analysis software. The Shackelton Point Endowment, Cornell University, 3 months, PI, **\$6,000**.

1986-1990

Hambright, K.D. *Ph.D. Funding*: Algal and zooplankton community responses to piscivory: mediation through alternate planktivore types. National Science Foundation (DDIG), A.W. Mellon Foundation, U.S. Environmental Protection Agency, Sigma Xi Grants-in-Aid of Research, 5 years, PI, Total funding, **\$33,066**.

PRESENTATIONS

Invited Lectures and Departmental Seminars

2023

Phytoplankton diversity and regulation of algal biomass. Harmful Algal Bloom Training for Tribal Water Managers. South Central Climate Adaptation Science Center, Norman, OK. 6 September.

2022

The Editorial Process in STEM Societal Flagship Journal. New Faculty Orientation In-Depth: Academic Publishing, Editing, and Reviewing. Center for Faculty Excellence. 29 October.

2021

Tips for Successful Manuscript Submission in STEM. New Faculty Orientation In-Depth: Academic Publishing, Editing, and Reviewing. Center for Faculty Excellence. 06 October.

2019

Fifty shades of pond: a tribute to Nelson Hairston. Hairston Hoopla 2019—celebration of the life and times of Nelson Hairston on the occasion of his retirement. Department of Ecology and Evolutionary Biology, Cornell University; 27 July.

2018

Ecosystem Disruptive Algal Blooms in the Southern Great Plains. Opening Plenary: Great Plains Limnology Conference, Lawrence, KS; October 5-6.

Whole Food Web Restructuring by an Ecosystem Disruptive Algal Bloom Species: The Power of Collaboration and Student Training in Ecological Research. Department of Plant Biology, Oklahoma State University; January 18.

2017

Whole Food Web Restructuring by an Ecosystem Disruptive Algal Bloom Species: The Power of Collaboration and Student Training in Complex Ecological Research. Science and Technology Seminar Series, Northeastern State University, Tahlequah, OK.

The Sea of Galilee and Water Supply. Dinner Speaker; Sooners Without Borders Annual Awards Ceremony, Norman, OK.

2016

Invited plenary speaker; International Conference on Water Microbiology and Novel Technologies (Water Microbiology-2016); July 18-19, Chicago, Illinois. Declined due to schedule conflict.

2013

Ecology and toxicology of the invasive harmful alga *Prymnesium parvum*. Institut de Biologie de l'École Normale Supérieure, Paris, France.

2012

Ecology and toxicology of an invasive harmful alga, Department of Biology, University of Oklahoma.

Ecology and toxicology of an invasive harmful algal bloom species: Golden algae (and cyanobacteria) in Oklahoma, Guest lecture: Critical Evaluation of Biological Research, Department of Biology, University of Oklahoma.

2011

Harmful algal blooms in Oklahoma: Golden algae and cyanobacteria in Oklahoma, Oklahoma Water Survey, Norman, OK.

Harmful algal blooms in Lake Texoma: golden algae and blue-green algae: 2004-2011 review and update, TAMU-Grayson County AgriLife Extension Panel; Eisenhower State Park, Denison, TX.

Harmful algal blooms in Lake Texoma: golden algae and blue-green algae: 2004-2011 review and update, Lake Texoma Advisory Committee to the US Department of Defense, Army Corps of Engineers, Pottsboro, TX.

Ecology and toxicology of an invasive harmful algal bloom species: Golden algae in Oklahoma. Department of Biological Sciences, Southwestern Oklahoma State University, Weatherford, OK.

2010

The Sea of Galilee and Israel's Water Supply. Department of History, University of Oklahoma, Norman, OK.

Roles, impacts, and the futures of limnology and microbiology in ecology. Program in Ecology and Evolutionary Biology, University of Oklahoma.

2009

Ecology and toxicology of *Prymnesium parvum*: lessons from Lake Texoma (OK-TX). West Virginia Department of Environmental Protection, Charleston, WV.

Characterization of golden algal toxins: factors regulating toxin production and toxicity to fish and zooplankton. Yigal Allon Kinneret Limnological Laboratory, Tabgha, Israel.

2008

Invasive and toxigenic golden algae in Lake Texoma: research to identify practical management measures for regulation of toxicity and prevention of blooms. Lecture to the Lake Texoma Advisory Committee (Army Corps of Engineers), Pottsboro, TX.

2006

Microbial grazers in freshwater food webs: carbon and nutrient fluxes. Department of Biology, Texas State University-San Marcos.

Microbial grazers in freshwater food webs: food webs and ecosystem function. Program in Ecology and Evolutionary Biology, University of Oklahoma.

2005

Piscivorous fish and microbial consumers in fresh waters: new challenges to old paradigms. Department of Zoology, Norman, OK.

Microzooplankton dominate carbon flow and nutrient cycling in freshwaters. Microorganismes : Génome et Environnement, Université Blaise-Pascal, Clermont-Ferrand, France.

2004

Plankton ecology in the Sea of Galilee. Department of Fisheries and Wildlife, Texas A & M University, College Station, TX.

2003

Zooplankton in the Sea of Galilee: selective grazing and nutrient recycling. Department of Zoology, University of Hawai'i-Manoa, Honolulu, HI.

2002

Zooplankton and water quality in Lake Kinneret: experimental analyses of grazing and nutrient remineralization. Institute of Evolution, Haifa University, Haifa, Israel.

Fisheries management, zooplankton, and water quality in Lake Kinneret. Israel Water Commission, Hatzor, Israel.

2001

Zooplankton and water quality in the Sea of Galilee: experimental analyses of grazing and nutrient remineralization. Department of Zoology, Oklahoma State University, Stillwater, OK.

Lake Kinneret and water supply in Israel: ecological limits to operational supply. Water in the Jordan Valley: Technical Solutions and Regional Cooperation, Conference sponsored by the University of Oklahoma International Programs Center, Center for Peace Studies, Norman, OK.

2000

Trophic dynamics in Lake Kinneret. Hebrew University of Jerusalem, Tabgha, Israel.
Zooplankton grazing: implications for water quality in Lake Kinneret. German-Israeli Cooperation in Environmental Research, DISUM Workshop, Jerusalem, Israel.

1999

Zooplankton in Lake Kinneret: grazing and predation. Israel Oceanographic and Limnological Research, Tabgha, Israel.
Paleolimnology in Lake Kinneret. Geological Survey of Israel, Jerusalem, Israel.

1998

Impacts of water supply and fisheries management on Lake Kinneret water quality? Department of Zoology and Institute for Nature Conservation Research, Tel Aviv University, Israel.
Nutrient chemistry in Lake Agmon. Workshop on Biogeochemical Processes in the Hula Valley: Potential Environmental Impacts of the Hula Project, Hebrew University of Jerusalem, Israel.

1997

Indices for defining water quality in Lake Kinneret. Israel Ministry of the Environment, Tel Aviv, Israel.
Ecosystem destabilization and water quality deterioration in Lake Kinneret: role of management? Institute of Evolution, Haifa University, Haifa, Israel.
Lake Agmon: a newly re-flooded wetland ecosystem in the Lake Kinneret watershed. Savannah River Ecology Laboratory, University of Georgia, Aiken SC.
Ecosystem destabilization and water quality deterioration in Lake Kinneret: the role of management? Department of Biology, Texas Christian University, Ft. Worth, TX.
Enhancement of eutrophication in Lake Kinneret, Israel by water supply and fisheries management. State University of New York, Buffalo State College, Buffalo, NY.
Lake Kinneret ecosystem destabilization: roles of water supply and fisheries management. Department of Ecology and Evolutionary Biology, Cornell University, Ithaca, NY.
The collapse of the Kinneret bleak fishery: role of bad management and overharvest. Cornell University Biological Field Station, Bridgeport, NY.

1996

Lake Kinneret, Israel's primary water reservoir: the role of limnology. Artists and Lecturers Series, Macon State College, Macon, GA.
Man and the environment: water quality management in arid regions. Department of Biology, Macon State College, Macon, GA

1995

Zooplankton-phytoplankton interactions in Lake Kinneret. Israel Oceanographic and Limnological Research, Haifa, Israel.

1994

Ecology of fishes in Lake Kinneret. Department of Aquaculture, Faculty of Agriculture, Rehovot and Israel Department of Fisheries, Ginnosar, Israel.

1992

Long-term decline in the thermocline depth of Lake Kinneret. Mekorot Water Company, Tabgha, Israel.

1990

Morphological constraints within a predator-prey interaction: experimental analysis of the interaction between piscivore mouth gape and planktivore body depth and their roles in mediating the trophic cascade. Aquatic Ecosystems Program, Lehigh University, Lake Ariel, PA.

Meeting and Conference Participation (undergraduate and graduate students indicated)

2024

McLimans, C., H. Cai, J.E. Beyer, K.D. Hambright. Design and validation of marker genes for a robust genome-based *Microcystis* taxonomy. 12th USHAB Symposium, Portland, ME; 27 October-01 November.

Bruel R., Ersoy Z., Calderó-Pascual M., Barth L.E., Anton-Pardo M., Baludo M.Y., Bartrons M., Bernard A., Beyer J.E., Blackburn-Desbiens P., Brucet S., Carey C.C., Chaguaceda F., Chen H., Christoffersen K.S., de Eyto E., Dimante-Deimantovica I., Doubek J.P., Dulić Z.P., Figary S.E., Fischer J.M., Forasaco E., Gal G., García-Girón J., García-Girón J., Ger K.A., Gjoni V., Gray E., Grosbois G., Gutierrez M.F., Halabowski D., Hambright K.D., Harris T.D., Hovel R.A., Jakobsson E., Jensen T.C., Korponai J.L., La Fuente R., Lakka H., Leoni B., Lepori F., López-Vázquez M., Mariani M.O., Mbizani M., McCarthy V., McElarney Y.R., Menezes R.F., Merkli S., Michaloudi E., Montoya J.V., Moore T., Motitsoe S.N., Napoleoni R., Nava V., Nejstgaard J.C., Nelson S.J., Obertegger U., Overholt E.P., Papa R.S., Pomati F., Rasconi S., Rautio M., Richardson D.C., Rippey B., Rose K.C., Rudstam L.G., Rusak J.A., Rusak J.A., Santangelo J.M., Scofield A.E., Seda J., Stockwell J.D., Straile D., Strecker A.L., Tanentzap A.J., Thackeray S.J., Ungerer L.A., Wander H.L., Webster K.E., Znachor P. Insights from global data collection on freshwater zooplankton body size. Hamcking Limnology 2024. 4th Joint virtual summit and workshop, "Incorporating Data Science and Open Science in Aquatic Research". 15-19 July.

Figary, S., M. Meyer, R. Pilla, W. Currie, A.A. Aborigho, R. Adrian, J. Alcocer, M.B. Alfonso, C. Andrews, O. Anneville, A.M. Antão-Geraldes, S. Arnott, A.G. Balkić, S. Ban, A. Banerjee, L. Barth, J. Beaver, S. Berger, G. Bernát, J.E. Beyer, R. Bhattacharya, K. Blank, K. Bowen, C. Brönmark, M. Brousil, R. Bruel, S. Burnet, T. Butts, C. Carey, M. Carey, R. Caroni, M. Chakrabarty, S. Chandra, H. Chen, A. Chiapella, K.S. Christoffersen, P.U. Cordero, A. Cortés, M.C. Crispim, E. de Eyto, J.R.G. de Souza, L. De Souza Cardoso, B. Deemer, C. DeGasperi, B. DeMattei, J. Deng, J.-P. Descy, I. Dimante-Deimantoviča, N. Diovialvi, R. Dondajewska-Pielka, J. Doubek, T. Dražina, Z. Dulic, G. Dur, B. Edwards, J. Ejsmont-Karabin, M. Elmarsafy, O. Erina, Z. Ersoy, R. Fernandez, H. Feuchtmayr, J. Fischer, M.S. Fontanarrosa, L. G.-Tóth, E. Gaiser, G. Gal, A. Ger, S. Girdner, R. Goldyn, H.-P. Grossart, N. Hairston, K.D. Hambright, D. Hamilton, L. Hansson, M.-P. Hébert, S. Hendricks, M. Holgerson, B. Ibelings, L. Ivanick, S. Jacquet, M. Kainz, M. Karpowicz, S. Khan, J. Köhler, K. Kowalczevska-Madura, K. Krutha, N. Kuczyńska-Kippen, S. Langenheder, B. Lanouette, B. Leoni, F. Lepori, J. Leppänen, S. Lin, A. Litt, E. Mackay, M. Manca, I. Mashkova, I. Matsuzaki, V. McCarthy, Y. McElarney, R. Menezes, E. Merz, E. Michaloudi, G. Miles, J. Moe, F.R. Molina, D. Mueller-Navarra, M. Muñoz-Colmenares, V. Nava, J.C. Nejstgaard, U. Obertegger, D. Ortiz, M.C. Pascual, M. Patelli, M. Paterson, L.A.O. Pérez, M.C. Piccolo, R. Piscia, F. Pomati, M. Quazi, S. Rasconi, A. Rawhouser, B. Reid, K. Rose, J. Rosińska, L. Rudstam, J. Rusak, O.O. Rusanovskaya, E. Ryder, N. Salmaso, J. Sarvala, G. Schladow, A. Schmidt, M. Schuler, K. Schulz, A. Scofield, F. Scordo, J. Seda, K. Senft, S.V. Shimaraeva, E. Silow, L.P. Silva, M. Špoljar, J. Stockwell, D. Straile, A. Strecker, H. Swain, C. Symons, A. Tanentzap, B. Tartarotti, S. Thackeray, M. Timofeyev, J. Tittel, P. Verburg, J. Wade, N. Walling, R. Walsh, H. Wander, J. Watkins, D. White, K. Winter, S. Wollrab, J. Yang, V. Yorojo, H. Zagarese, M. Zagars, P. Znachor. Global-scale compilation of freshwater zooplankton: Tiny sentinels of environmental changes. Association for the Sciences of Limnology and Oceanography; Madison, WI. 02-07 May.

Stockwell, J.D., C.C. Symons, S. Figary, J. Alcocer, M.B. Alfons, O. Anneville, A.M. Antão-Geraldes, M. Beklioğlu, J.E. Beyer, K. Blank, R. Bruel, S.H. Burnet, R. Caroni, S. Chandra, K.S. Christoffersen, A. Cortés, M.C. Crispim, W. Currie, E. de Eyto, C. DeGasperi, N. Diovialvi, R. Dondajewska-Pielka, J.P. Doubek, G. Dur, Z. Ersoy, R. Fernández, M.S. Fontanarrosa, G. Gal, J. García-Girón, K.A. Ger, R. Goldyn, F. Guo, K.D. Hambright, S. Hamil, E. Jeppesen, M.J. Kainz, K. Kowalczevska-Madura, N. Kuczyńska-Kippen, A. Laas, B. Leoni, F. Lepori, M. López-Vázquez, M. Manca, M. Mariani, S.S. Matsuzaki, B. Matthews, E. Merz, J. Moe, M. Muñoz-Colmenares, J.C. Nejstgaard, U. Obertegger, L.A. Oseguera, M. Paterson, R. Piscia, F. Pomati, F.R. Molina, L. Rudstam, J.A. Rusak, O.O. Rusanovskaya, N. Salmaso, J. Sarvala, J. Seda, E. Silow, J. Soininen, D. Straile, B. Tartarotti, Ü.N. Tavşanoğlu, S.J. Thackeray, M. Timofeyev, P. Verburg, H. Zagarese, P. Znachor. Do zooplankton diversity-environment relationships derived from space-for-time-substitution surveys actually

represent any lakes? Association for the Sciences of Limnology and Oceanography; Madison, WI. 02-07 May.

McLimans, C., J.E. Beyer, J.V. Martinez, M. Wendt, O. Tow, K.D. Hambright. Physiological profiling of novel *Microcystis* species reveals species-specific nutrient and light growth responses. Association for the Sciences of Limnology and Oceanography; Madison, WI. 02-07 May.

Hambright, K.D. and J.E. Beyer. Harmful algal blooms and public safety: a monitoring and research program aimed at understanding cyanobacterial blooms and toxin production. Report to the Oklahoma Water Resources Center Water Research Advisory Board. Stillwater, OK. 08 Jan.

2023

McLimans, C.J., H. Cai, K.D. Hambright. Genomic analysis of *Microcystis* species reveals distinct gene signatures and improved understanding of *Microcystis* ecology. Interagency Conference on Research in the Watersheds (ICRW); Corvallis, OR; 05-08 June.

Hambright, K.D., C.J. McLimans, M. Berthold. Genomic and physiological profiling of *Microcystis* reveals insights into genospecies-specific niches. Association for the Sciences of Limnology and Oceanography Aquatic Sciences Meeting; Palma de Mallorca, Spain; 04-09 June.

Cai, H., C.J. McLimans, L.R. Krumholz, K.D. Hambright. Aerobic anoxygenic phototrophs play an important role in nutrient cycling within cyanobacterial *Microcystis* bloom; BAGECO 2023-16th Symposium on Bacterial Genomics and Ecology; Copenhagen, Denmark; 26-30 June.

Vojsava, G., R. Bruel, Z. Ersoy, M. Calderó-Pascual, L.E. Barth, M. Anton-Pardo, M.Y. Baludo, M. Bartrons, S. Brucet, J.E. Beyer, A. Bernard, P. Blackburn-Desbiens, C.C. Carey, F. Chaguaceda, H. Chen, K.S. Christoffersen, J.P. Doubek, Z.P. Dulić, E. de Eyto, S.E. Figary, J.M. Fischer, E. Forasaco, G. Gal, J. García-Girón, K. Ali Ger, E. Gray, G. Grosbois, M.F. Gutierrez, D. Halabowski, K.D. Hambright, T.D. Harris, R.A. Hovel, E. Jakobsson, T.C. Jensen, J. Korponai, S. La Fuente, H.-K. Lakka, B. Leoni, F. Lepori, M. López-Vázquez, M. Mariani, M. Mbizani, V. McCarthy, Y.R. McElarney, R.F. Menezes, S. Merkli, E. Michaloudi, J.V. Montoya, S.N. Motitsoe, T. Moore, R. Napoleoni, V. Nava, J. Nejstgaard, U. Obertegger, E.P. Overholt, Rey D.S. Papa, F. Pomati, M. Rautio, D.C. Richardson, B. Rippey, K.C. Rose, L.G. Rudstam, J. Rusak, J.M. Santangelo, A.E. Scofield, J. Sed'a, J.D. Stockwell, D. Straile, A.L. Strecker, S.J. Thackeray, A.J. Tanentzap, L.A. Ungerer, H.L. Wander, P. Znachor. Worldwide body size distributions of freshwater crustacean communities - are global mechanisms overriding local ones? Annual meeting of the Society for Experimental Biology 2023, 04-07 July, Edinburgh, Scotland.

Hambright, K.D. and J.E. Beyer. Harmful algal blooms and public safety: a monitoring and research program aimed at understanding cyanobacterial blooms and toxin production. Report to the Oklahoma Water Resources Center Water Research Advisory Board. Stillwater, OK. 24 March 2023.

2022

Bruel, R., Z. Ersoy, M. Calderó-Pascual, L. Barth, J. Stockwell, L. Ivanick, S. Figary, M. Meyer, W. Currie, M. Anton-Pardo, M. Baludo, M. Bartrons, J. Beyer, F. Chaguaceda, H. Chen, K. Christoffersen, Z. Dulić, J. Doubek, E. de Eyto, J. Fischer, E. Forasaco, G. Gal, J. García-Girón, K. Ali Ger, E. Gray, M.F. Gutierrez, D. Halabowski, K.D. Hambright, R. Hovel, E. Jakobsson, T. Jensen, J. Korponai, H.-K. Lakka, F. Lepori, M. López-Vázquez, V. McCarthy, Y. McElarney, R.F. Menezes, E. Michaloudi, J. Nejstgaard, U. Obertegger, R.D. Papa, D. Richardson, B. Rippey, J. Rusak, J.M. Santangelo, A. Scofield, J. Sed'a, D. Straile, S. Thackeray, A. Tanentzap, L. Ungerer, G. Vojsava, P. Znachor. ZooSize - Crustacean zooplankton community size distributions across a worldwide set of freshwater lakes. Global Lakes Ecological Observatory Network (GLEON) 2022, Lake George, NY, 30 Oct – 04 Nov.

Stockwell J.D., L. Ivanick, A. Chiapella, C. Vichi, H.-P. Grossart, H. Zagarese, N. Diovialvi, M. Odriozola, G. Gal, A.M. Antao-Geraldes, K.S. Christoffersen, J. Sarvala, K. Blank, M. Beklioglu, M.J. Kainz, R. Bruel, K.A. Ger, I.S. Matsuzaki, S. Khan, J.C. Nejstgaard, P. Znachor, J. Sed'a, U. Obertegger, N. Salmaso, J. Garcia-Giron, B. Leoni, E. Jeppesen, O.N. Tavsanoglu, O.O. Rusanovskaya, B. Tartarotti, G. Dur, N. Kuczynska-Kippen, R. Dondajewska-Pielka, E. de Eyto, S.J. Thackeray, J.R. Garcia de Souza, J.A. Rusak, J. Moe, S. Figary, L. Ma, I. Gunn, J.P. Doubek, C.C. Symons, S.H. Bumet, F. Lepori, J. Alcocer, R. Fernandez, L.A. Oseguera, P. Verburg, M.S. Fontanarroza, F. Scordo, E. Mackay, B. Alfonso, J.E. Beyer, K.D. Hambright, J. Soininen, S. Ban, J. Tittel. 2022. Can

space-for-time-substitution surveys represent zooplankton biodiversity patterns and their relationship to environmental drivers? 36th Congress of the International Society of Limnology. Berlin, Germany; 07-10 August.

Hambright, K.D., C.J. McLimans, H. Cai, L.R. Krumholz. Genomic analysis of *Microcystis* reveals improved taxonomy, insight into *Microcystis* evolution, and new opportunities for mitigation. 36st Congress of the International Society of Limnology; Berlin, Germany; 07-10 August.

McLimans C.J., H. Cai, L.R. Krumholz, K.D. Hambright. 2022. Classification of *Microcystis* genospecies using whole-genome sequencing and pangenome analyses. Joint Aquatic Sciences Meeting, Grand Rapids, MI; 15-20 May.

2021

Glidewell, D. and K.D. Hambright. Algal and cyanobacterial toxins, cyanobacterial blooms, freshwater and marine HAB biogeography. International Conference on Harmful Algae, La Paz, Mexico, 10-15 October; virtual.

Haiyuan C., J.E. Beyer, K.V. Cook, L.R. Krumholz, M.M. Steffen, A.E. Wilson, H.W. Paerl, and K.D. Hambright. Genome-based classification and comparative genomics of *Microcystis* reveals insights into *Microcystis* species evolution and environmental adaptation. Association for the Sciences of Limnology and Oceanography Annual Meeting; 22-27 June; virtual.

2020

Hambright, K.D. and B. Deemer. Common writing pitfalls and how to avoid them. Association for the Sciences of Limnology and Oceanography Virtual Meet the Editors Workshop; 9 June; online.

Beyer, J.E., H. Cai, G. Eakers, K.V. Cook, and K.D. Hambright. qPCR enumeration of cyanobacteria. Association for the Sciences of Limnology and Oceanography; Madison, WI; 5-12 June (cancelled due to COVID-19 pandemic).

Cook, K.V., K.D. Hambright, J.E. Beyer, D. Glidewell, L. Wilson, M. Larson, G. Eakers. Landsat poorly predicts harmful algal blooms: A case study in the South Central US. Association for the Sciences of Limnology and Oceanography; Madison, WI; 5-12 June (cancelled due to COVID-19 pandemic).

Goñi, M. and K.D. Hambright. Tips for Successful Manuscript Submission. Joint ASLO-AGU Scientific Publication Workshop. Ocean Sciences Meeting; 16-21 February; San Diego.

Hambright, K.D. and M. Goñi. Tips for Successful Manuscript Submission. Joint ASLO-AGU Student/Early Career Researcher Scientific Publication Workshop. Ocean Sciences Meeting; 16-21 February; San Diego.

2019

Cook, K.V., J.E. Beyer, K.D. Hambright. Monitoring methods may impact assessment of recreational risk of harmful algal exposure. Oklahoma Governor's Water Conference and Research Symposium; 4-5 December; Midwest City.

Glidewell, D., S. Cai, R.H. Cichewicz, K.D. Hambright. Can we use liquid-chromatography mass-spectrometry to quantify microcystins in food webs? 10th USHAB Symposium, Orange Beach, AL; 03-08 November.

Minkin, E., J.E. Beyer, K.D. Hambright. Calcium plays a role in limiting *Prymnesium parvum* growth. 10th USHAB Symposium, Orange Beach, AL; 03-08 November.

Cai, H., L.R. Krumholz, K.D. Hambright, F. Chen. Bloom-forming *Microcystis* harbor unique bacteria in response to high light and fluctuating oxygen levels. 10th USHAB Symposium, Orange Beach, AL; 03-08 November.

Cook, K.V., C. Li, H. Cai, L.R. Krumholz, K.D. Hambright, H.W. Paerl, M.M. Steffen, A.E. Wilson, M. Burford, H.-P. Grossart, D.P. Hamilton, H. Jiang, A. Sukenik, D. Latour, E.I. Meyer, J. Padisák, B. Qin, R.M. Zamor, G. Zhu. A survey of the global *Microcystis* microbiome. 10th USHAB Symposium, Orange Beach, AL; 03-08 November.

Li, C. K.D. Hambright, L.R. Krumholz. Community composition of methane oxidizing bacteria within cyanobacterial aggregates in global bloom lakes. American Society for Microbiology; San Francisco, CA; 20-24 June.

Cook (Hooker), K.V., J.E. Beyer, X. Xiao, K.D. Hambright. Improving predictions of harmful algal blooms using remote sensing: is more data the answer? Aquatic Sciences Meeting of the Association of the Sciences of Limnology and Oceanography, San Juan, PR; 23 February – 02 March.

Eakers, G. and K.D. Hambright. A molecular genetic approach to enumerating cyanobacteria. University of Oklahoma Undergraduate Research Day. April 6. **(Honors College Award for Distinguished Research)**.

2018

Krumholz, L.R., K.D. Hambright, and many others. The global cyanobacterial interactome. OU Water Day; Norman, OK; 16 November.

Hambright, K.D. Ecosystem Disruptive Algal Blooms in the Southern Great Plains. Great Plains Limnology Conference, Lawrence, KS; October 5-6. **(Plenary Speaker)**

Hooker, K.V., C. Li, D. Zhao, L. Krumholz, K.D. Hambright. Global survey of *Microcystis* bloom interactomes. Association for the Sciences of Limnology and Oceanography; Victoria, BC; 10-15 June.

Jane, S.F., K.C. Rose, and many others, including K.D. Hambright. Long-term and broad-scale declines in dissolved oxygen observed in both epilimnetic and hypolimnetic waters across a globally-distributed suite of ~400 lakes. 18th Annual meeting of the Global Lake Ecological Observatory Network; Rottnest Island, Australia; 3-7 December 2018.

Pilla, R.M., C.E. Williamson, and many others, including K.D. Hambright. Global trends in lake thermal structure and underlying patterns. 18th Annual meeting of the Global Lake Ecological Observatory Network; Rottnest Island, Australia; 3-7 December 2018.

2017

Pilla, R.M., C.E. Williamson, and 67 others. Long-term patterns in lake thermal structure. 19th Annual meeting of the Global Lake Ecological Observatory Network; Mohonk Lake, NY; 27 November – 1 December 2017.

Hooker, Katherine V., T.C. Hallidayschult, J. Wang, J.E. Beyer, X. Xiao, and K.D. Hambright. Characterizing cyanobacteria blooms using remote sensing and non-traditional methods. 9th USHAB Symposium. Baltimore, MD; 11-17 November. **(Best Student Speed Talk)**.

Eakers, G., K.V. Hooker, K.D. Hambright. Estimating turbidity in Lake Thunderbird using surface reflectance from satellite imagery-Phase 1, Curiosity to Creativity Symposium, University of Oklahoma Office of the Vice President for Research, Norman, OK., July.

Eakers, G., K.V. Hooker, and K.D. Hambright. Estimating turbidity in Lake Thunderbird by using surface reflectance from satellite imagery. Oklahoma Louis Stokes Alliance for Minority Participation, National Science Foundation. Oklahoma Research Symposium, Stillwater OK, September. **(1st Place Life Science Poster Participation)**.

Acy, C., J.E. Beyer, E. Young, and K.D. Hambright. Where to stock?: Evaluating lakes stocked with Florida Largemouth Bass in Oklahoma. 04 February. Southern Division of the American Fisheries Society Spring Meeting, Oklahoma City, OK.

2016

Hambright, K.D., D.A. Caron, A. Jones, B. Allison-Witt, R.M. Zamor, F. Acosta, and J.E. Beyer. Whole food web restructuring by an ecosystem disruptive algal bloom species. 32nd Congress of the International Society of Limnology; Torino, Italy; 31 July-05 August.

Beyer, J.E., K.D. Hambright, D.A. Caron, A. Jones, B. Allison-Witt, R.M. Zamor, and F. Acosta. Whole food web effects of a harmful algal bloom (HAB) species. Arkansas Water Resources Center Annual Water Research Conference; Fayetteville, AR; 26-27 July. (Hambright invited, but unable to attend).

Hooker, K., T.C. Hallidayschult, J. Wang, J. Zhang, J.E. Beyer, B. Chien, D.L. Glidewell, X. Xiao, and K.D. Hambright. Detecting and characterizing cyanobacteria blooms using remote sensing and classification trees. Arkansas Water Resources Center Annual Water Research Conference; Fayetteville, AR; 26-27 July.

Pilla, R.M., C.E. Williamson, and 60 others. Long-term patterns in global lake thermal structure. 18th Annual meeting of the Global Lake Ecological Observatory Network; Lunz & Gaming, Austria; 4-8 July 2016.

- Beyer, J.E., R.M. Zamor, and K.D. Hambricht. Predicting the presence of an invasive toxigenic algal species on a regional scale. Annual meeting of the Society for Freshwater Science; Sacramento, CA; 22-26 May.
- Hambricht, K.D., D.A. Caron, A. Jones, B. Allison-Witt, R.M. Zamor, F. Acosta, and J.E. Beyer. Whole food web restructuring by an ecosystem disruptive algal bloom species. Annual meeting of the Society for Freshwater Science; Sacramento, CA; 22-26 May.
- Hooker, K., T.C. Hallidayschult, J. Wang, J. Zhang, J.E. Beyer, B. Chien, D.L. Glidewell, X. Xiao, and K.D. Hambricht. Detecting and characterizing cyanobacteria blooms using remote sensing and classification trees. Annual meeting of the Society for Freshwater Science; Sacramento, CA; 22-26 May.
- Hallidayschult, T.C., J.E. Beyer, and K.D. Hambricht. Persistent ecosystem changes linked to zebra mussels in a subtropical reservoir. Annual meeting of the Society for Freshwater Science; Sacramento, CA; 22-26 May.
- Hooker, K., T.C. Hallidayschult, J. Wang, J.E. Beyer, B. Chien, D.L. Glidewell, X. Xiao, and K.D. Hambricht. Detecting and mapping cyanobacteria blooms using remote sensing and classification trees. 25th Annual Meeting-Oklahoma Clean Lakes and Watersheds Association; Stillwater, OK; 29-30 March.
- Hallidayschult, T.C., J.E. Beyer, and K.D. Hambricht. Persistent ecosystem changes in Lake Texoma linked to zebra mussels. 25th Annual Conference – Oklahoma Clean Lakes and Watersheds Association, Stillwater, OK.

2015

- Acosta, F., B.A. Wawrik, and K.D. Hambricht. Intra-individual heterogeneity in *Prymnesium parvum* ITS1 regions and its implications for the biogeography of a recent US invasion. 8th Symposium on Harmful Algae in the US; Long Beach, CA; 15-20 November.
- Beyer, J.E. and K.D. Hambricht. Negative effects of cyanobacteria exposure on survival and reproduction in the rotifer *Brachionus calyciflorus* within and across generations. XIV. International Rotifer Symposium, České Budějovice, Czech Republic; 30 August-04 September.
- Hallidayschult, T.C. and K.D. Hambricht. Evaluating the invasive Harris mud crab as a predator of zebra mussels. Annual meeting of the Society for Freshwater Science, Milwaukee, WI; 17-21 May 2015.
- Hambricht, K.D., F. Acosta, R.M. Zamor, F.Z. Najar, B.A. Roe. Dynamics of an experimental microbial invasion. SEFS 9: Symposium for European Fresh Water Sciences, Geneva, Switzerland; 05-10 July.
- Allison, B., J.E. Beyer, T.C. Hallidayschult, K.D. Hambricht. Effects of the toxigenic alga *Prymnesium parvum* on a zooplankton community. Universities Council on Water Resources/NIWR/CUAHSI joint conference; Las Vegas, NV; 16-18 June. **(Third place graduate student oral presentation)**.
- Allison, B., J.E. Beyer, T.C. Hallidayschult, K.D. Hambricht. Effects of the toxigenic alga *Prymnesium parvum* on a zooplankton community assemblage. Oklahoma Invasive Species Conference, Norman, OK; 13 March. **(Second place oral presentation)**
- Shauburger, K., T.C. Hallidayschult, & K.D. Hambricht. Experimental analysis of zebra mussels feeding on toxic and non-toxic algae. Oklahoma Invasive Species Conference, Norman, OK; 13 March.
- Hallidayschult, T.C. and K.D. Hambricht. Evaluating the invasive Harris mud crab as a potential predator of zebra mussels. 24th Annual Meeting-Oklahoma Clean Lakes and Watersheds Association, Stillwater, OK; 08-09 April.
- Allison, B., J.E. Beyer, T.C. Hallidayschult, K.D. Hambricht. Effects of the toxigenic alga *Prymnesium parvum* on a zooplankton community assemblage. 24th Annual Meeting-Oklahoma Clean Lakes and Watersheds Association, Stillwater, OK; 08-09 April.
- Allison, B., J.E. Beyer, T.C. Hallidayschult, K.D. Hambricht. Effects of the toxigenic alga *Prymnesium parvum* on a zooplankton community. University of Oklahoma Graduate Student Research Day; Norman, OK; 6 March. **(First Place Science Category)**

2014

- Glidewell, D.L., J.E. Beyer, K. Shauburger, K.D. Hambricht. The effects of food quality and quantity on reproduction in the rotifer *Brachionus calyciflorus*. Governor's Water Conference-Oklahoma Water Research Symposium, Oklahoma City, OK; 23-24 October. **(Outstanding undergraduate student poster)**.

- Allison, B., J.E. Beyer, T.C. Hallidayschult, K.D. Hambricht. Effects of the toxigenic alga *Prymnesium parvum* on a zooplankton community assemblage. Governor's Water Conference-Oklahoma Water Research Symposium, Oklahoma City, OK; 23-24 October. **(Outstanding graduate student poster)**.
- Shauburger, K., T.C. Hallidayschult, J.E. Beyer, D. Glidewell, K.D. Hambricht. Feeding response of zebra mussels to toxic and non-toxic cyanobacteria. Governor's Water Conference-Oklahoma Water Research Symposium, Oklahoma City, OK; 23-24 October.
- Hambricht, K.D., X. Xiao, A. Dzialowski, T.C. Hallidayschult, J. Zhang, J. Wang. Remote sensing of water quality and harmful algae in Oklahoma's lakes. Governor's Water Conference-Oklahoma Water Research Symposium, Oklahoma City, OK; 23-24 October. **(invited presentation)**.
- Hambricht, K.D., J.E. Beyer, J.D. Easton, R.M. Zamor, A.C. Easton, T.C. Hallidayschult. The niche of an invasive marine HAB in a southern US freshwater impoundment. Joint Aquatic Sciences Meeting, Portland, OR; 18-23 May.
- Beyer, J.E., T.C. Hallidayschult, D.L. Glidewell, K.D. Hambricht. Interactive effects of cyanobacteria and maternal condition on survival, reproduction, and offspring provisioning in rotifers. Joint Aquatic Sciences Meeting, Portland, OR; 18-23 May.
- Hallidayschult, T.C., J.E. Beyer, K.D. Hambricht. Range expansion leads to new challenges: zebra mussels in a subtropical reservoir. Joint Aquatic Sciences Meeting, Portland, OR; 18-23 May.
- Hambricht, K.D., J.E. Beyer, J.D. Easton, R.M. Zamor, A.C. Easton, T.C. Hallidayschult. The ecological niche of the invasive golden alga, *Prymnesium parvum*, in Lake Texoma. 23rd Annual Meeting-Oklahoma Clean Lakes and Watersheds Association, Stillwater, OK; 02-03 April.
- Beyer, J.E., T.C. Hallidayschult, D.L. Glidewell, K.D. Hambricht. Interactive effects of cyanobacteria and maternal condition on survival, reproduction, and offspring provisioning in rotifers. 23rd Annual Meeting-Oklahoma Clean Lakes and Watersheds Association, Stillwater, OK; 02-03 April.
- Hallidayschult, T.C., J.E. Beyer, K.D. Hambricht. Range expansion leads to new challenges: zebra mussels in a subtropical reservoir. 23rd Annual Meeting-Oklahoma Clean Lakes and Watersheds Association, Stillwater, OK; 02-03 April.
- Zamor, R.M., N.R. Franssen, C. Porter, T.M. Patton, K.D. Hambricht. Rapid fish assemblage recovery following an ecosystem disruptive bloom of Golden algae in Lake Texoma. 23rd Annual Meeting-Oklahoma Clean Lakes and Watersheds Association, Stillwater, OK; 02-03 April.

2013

- Zamor, R.M. and K.D. Hambricht. An experimental assessment of the importance of propagule pressure and community resistance on the invasion success of the toxigenic haptophyte *Prymnesium parvum*. 7th Symposium on Harmful Algae in the US; Sarasota, FL; 27-31 October.
- Hallidayschult, T.C., J.D. Easton, A.C. Easton, R.M. Zamor, K.L. Glenn, J.E. Beyer, E.J. Remmel, K.D. Hambricht. Potential effects of zebra mussels in Lake Texoma, a large subtropical reservoir. 22nd Annual Meeting-Oklahoma Clean Lakes and Watersheds Association; Stillwater, OK; 17-18 April.
- Zohary, T., G. Gal, K.D. Hambricht. The food web of Lake Kinneret: A four-decadal retrospective. Israeli Association for Aquatic Sciences, Mikhmoret, Israel, 13-14 March.
- Hambricht, K.D., J.D. Easton, R.M. Zamor, A.C. Easton, K.L. Glenn, B. Allison, E.J. Remmel, J.E. Beyer. Environmental regulation of growth and toxicity of *Prymnesium parvum*: Identification of a possible management strategy. Aquatic Sciences Meeting-Association for the Sciences of Limnology and Oceanography; New Orleans, LA; 17-23 February.
- Beyer, J.E., E.J. Remmel, R.M. Zamor, J.D. Easton, A.C. Easton, K.L. Glenn, T.C. Hallidayschult, and K.D. Hambricht. Evidence of competition and predation affecting *Daphnia lumholtzi* abundances and morphology in Lake Texoma. Aquatic Sciences Meeting-Association for the Sciences of Limnology and Oceanography; New Orleans, LA; 17-23 February.
- Hallidayschult, T.C., J.D. Easton, A.C. Easton, R.M. Zamor, K.L. Glenn, J.E. Beyer, E.J. Remmel, and K.D. Hambricht. Potential effects of zebra mussels in a large subtropical reservoir. Aquatic Sciences Meeting-Association for the Sciences of Limnology and Oceanography; New Orleans, LA; 17-23 February.
- Zamor, R.M. and K.D. Hambricht. Effects of propagule pressure and invasion resistance on establishment success of the toxic golden alga, *Prymnesium parvum*. Aquatic Sciences Meeting-Association for the Sciences of Limnology and Oceanography; New Orleans, LA; 17-23 February.

Hambright, K.D., X. Xiao, and A.R. Dzialowski. Remote sensing of water quality and harmful algae in Oklahoma's lakes. Oklahoma Water Resources Research Institute; January.

2012

- Zhang, J., J.D. Easton, S. Cadenhead, A.C. Easton, C.M. Biradar, K.D. Hambright, and X. Xiao. The potential use of remote sensing and citizen science in the monitoring of water quality and harmful algae in Oklahoma's lakes. Annual Oklahoma Governor's Water Conference and Oklahoma Water Resources Institute Symposium, Tulsa, OK.
- Hambright, K.D., J.D. Easton, R.M. Zamor, A.C. Easton, K.L. Glenn, B. Allison, E.J. Remmel, J.E. Beyer. Environmental regulation of growth and toxicity of *Prymnesium parvum*. 37th Annual Great Plains Limnology Conference; University of Arkansas, Fayetteville, AR.
- Zamor, R.M. and K.D. Hambright. Effects of propagule pressure and invasion resistance on establishment success of the toxic golden alga, *Prymnesium parvum*. 37th Annual Great Plains Limnology Conference; University of Arkansas, Fayetteville, AR.
- Hallidayschult, T.C., J.D. Easton, A.C. Easton, R.M. Zamor, K.L. Glenn, J.E. Beyer, and K.D. Hambright. Long term data from an Oklahoma reservoir: What do they tell us? 37th Annual Great Plains Limnology Conference; University of Arkansas, Fayetteville, AR.
- Beyer, J.E., E.J. Remmel, R.M. Zamor, J.D. Easton, A.C. Easton, K.L. Glenn, T.C. Hallidayschult, and K.D. Hambright. Do competition and invertebrate predation affect *Daphnia lumholtzi* abundances and morphology in Lake Texoma. 37th Annual Great Plains Limnology Conference; University of Arkansas, Fayetteville, AR.
- Zamor, R.M., N.R. Franssen, C. Porter, T. Patton, and K.D. Hambright. Temporal effects of a toxic algae (*Prymnesium parvum*) on fish communities in Lake Texoma (OK-TX), 32nd Annual Meeting - Oklahoma Chapter of the American Fisheries Society, Stillwater, OK.
- Hambright, K.D. Harmful algal blooms in Oklahoma: the Lake Texoma experience, Grand River Dam Authority Watershed Conference, Langley, OK. (invited)
- Hambright, K.D. Harmful algae in Oklahoma: an update, 21st Annual Meeting-Oklahoma Clean Lakes and Watersheds Association, Edmund, OK.

2011

- Zamor, R.M., K.L. Glenn, and K.D. Hambright. Using DNA to track Golden Algae across Oklahoma. Annual meeting - Oklahoma Clean Lakes and Watersheds Association, Edmund, OK.
- Zamor, R.M., K.L. Glenn, and K.D. Hambright. Early-warning detection of the invasive, toxigenic golden alga, *Prymnesium parvum*. Annual meeting - American Society of Limnology and Oceanography, San Juan, Puerto Rico (abstract only).
- Zamor, R.M., K.L. Glenn, and K.D. Hambright. Using DNA to track Golden Algae across Oklahoma. Annual meeting - Oklahoma Clean Lakes and Watersheds Association, Lake Arcadia, OK.
- Hambright, K.D. Harmful algae in Oklahoma, Annual Oklahoma Governor's Water Conference and Oklahoma Water Resources Institute Symposium, Norman, OK.
- Hambright, K.D. and E.J. Remmel. Toxin-assisted micropredation: Experimental evidence shows that contact micropredation rather than exotoxicity is the role of *Prymnesium* toxins. 4th Triennial Oklahoma-Texas Aquatics Research Group Meeting and the 36th Annual Great Plains Limnology Conference; University of Oklahoma Biological Station, Kingston, OK.
- Easton, J.D., A.C. Easton, K.L. Glenn, K.D. Hambright. Harmful algae in Lake Texoma. 4th Triennial Oklahoma-Texas Aquatics Research Group Meeting and the 36th Annual Great Plains Limnology Conference; University of Oklahoma Biological Station, Kingston, OK.
- Zamor, R.M., and Hambright, K.D. Putting microbial invaders into context by examining harmful algae at the landscape scale. 4th Triennial Oklahoma-Texas Aquatics Research Group Meeting and the 36th Annual Great Plains Limnology Conference; University of Oklahoma Biological Station, Kingston, OK.
- Jones A.C., V.T.S. Liao, K.D. Hambright and D.A. Caron. The effects of a harmful algal bloom on bacterial and protistan community composition and structure in a brackish lake. Moore Foundation Site Visit at the National Center for Genomic Resources. July.

2010

Jones, A.C., A. Lee, K.D. Hambright, and D.A. Caron. Attack of the killer *Prymnesium*: Investigations into mixotrophic abilities of the toxic haptophyte, *Prymnesium parvum*. Annual ASLO Ocean Sciences Meeting, Portland, OR.

Zamor, R.M., C. Porter, N.R. Franssen, E.J. Remmel, T. Patton, and K.D. Hambright. Effects of the toxigenic golden algae (*Prymnesium parvum*) on fish communities in Lake Texoma (OK-TX). 4th Annual Midwest Student Fisheries Colloquium, Brookings, SD.

Jones A.C., V.T.S. Liao, K.D. Hambright and D.A. Caron. The effects of a harmful algal bloom on bacterial and protistan community composition and structure in a brackish lake as revealed by pyrosequencing. Gordon Research Conference. July 2010.

Hambright, K.D., R.M. Zamor, J.D. Easton, K.L. Glenn, E.J. Remmel, and A.C. Easton. Temporal and spatial dynamics of an invasive toxigenic protist *Prymnesium parvum* in a subtropical North American reservoir. Annual meeting - North American Lake Management Society, Oklahoma City, OK. **(invited)**

Zamor, R.M., K.L. Glenn, J.D. Easton, A.C. Easton, and K.D. Hambright. Using real-time qPCR to detect spatial patterns in *Prymnesium parvum* in subtropical watersheds and predicting future patterns using associated water quality variables. Annual meeting - North American Lake Management Society, Oklahoma City, OK.

Remmel, E.J., N. Kohmescher, J.H. Larson, and K.D. Hambright. Golden algae-zooplankton interactions and the ultimate grazing defense - kill your grazers. Annual meeting - North American Lake Management Society, Oklahoma City, OK.

Hambright, K.D., E.J. Remmel, N. Kohmescher, and J.H. Larson. Effects of the invasive, toxigenic protist, *Prymnesium parvum*, on grazing rates, feeding behaviors, and life history characteristics of daphniid zooplankton. Annual meeting - American Society of Limnology and Oceanography, Santa Fe, NM. **(invited)**

Zamor, R.M., K.L. Glenn, J.D. Easton, A.C. Easton, and K.D. Hambright. Seasonal and spatial patterns in *Prymnesium parvum* in subtropical watershed as revealed by qPCR and predicted by environmental variability. Annual meeting - American Society of Limnology and Oceanography, Santa Fe, NM.

2009

Hambright, K.D., R.M. Zamor, J.D. Easton, K.L. Glenn, E.J. Remmel, and A.C. Easton. Dynamics of an invasive toxigenic protist in a subtropical reservoir: a possible role for hydrology. Annual meeting - Society for Environmental Toxicology and Chemistry, New Orleans, LA. **(invited)**

Remmel, E.J., J.C. Henrikson, and K.D. Hambright. Understanding confounding effects of food quality and toxicity of *Prymnesium parvum* (golden algae) to herbivorous zooplankton. 30th Annual Governor's Water Conference and 7th Annual Oklahoma Water Resources Research Symposium, Oklahoma City, OK.

Henrikson, J.C., M.S. Gharfeh, K.D. Hambright, and R.H. Cichewicz. Assessing the chemical diversity and toxicological threat of the harmful alga, *Prymnesium parvum*, following its recent invasion into United States freshwater systems. 50th Anniversary Meeting - American Society of Pharmacognosy, Honolulu, HI.

Chumchal, M.M., R.W. Drenner, and K.D. Hambright. Species-specific differences in mercury concentration and trophic position of planktivorous fish from Caddo Lake, Texas, USA. International Conference on Mercury as a Global Pollutant, Guiyang, China.

Sukharnikov, L.O., F.Z. Najar, B.A. Roe, and K.D. Hambright. Abundance and diversity in freshwater bacterial assemblages correlate with lake trophic status. Centennial of Limnology at Cornell University, Ithaca, NY. **(Hambright invited)**

Remmel, E.J., E. Pearsall, N. Kohmescher, J. Larson, J.D. Easton, A.C. Easton, and K.D. Hambright. Effects of toxigenic golden algae on feeding behaviors and life histories of daphniid zooplankton in Lake Texoma, TX-OK USA. Centennial of Limnology at Cornell University, Ithaca, NY.

Zamor, R.M., K.L. Glenn, A.C. Easton, and K.D. Hambright. Using quantitative real-time PCR to assess the distribution of toxigenic golden algae in Lake Texoma (USA) and its watershed. Centennial of Limnology at Cornell University, Ithaca, NY.

Hambricht, K.D. Golden algae research in Lake Texoma, Oklahoma. Panel speaker - *Aquatic Invasive Species Workshop*, 29th Annual Meeting - Oklahoma Chapter of the American Fisheries Society, Ardmore, OK. **(invited)**

Hambricht, K.D. Characterization of golden algal toxins: factors regulating toxin production and toxicity to fish and zooplankton. 2nd International Golden Alga Symposium, Ft. Worth, TX. **(invited)**

Hambricht, K.D., J., Easton, R.M. Zamor, A. Easton, and K.L. Glenn. Blooms of toxigenic *Prymnesium parvum* in Lake Texoma: What can we learn from environmental monitoring? 2nd International Golden Alga Symposium, Ft. Worth, TX. **(invited)**

Zamor, R.M., K.L. Glenn, and K.D. Hambricht. Using quantitative real-time PCR to assess the distribution of toxigenic golden algae in Lake Texoma (USA) and its watershed. 2nd International Golden Alga Symposium, Ft. Worth, TX.

Rommel, E.J., E. Pearsall, N. Kohmescher, J. Larson, J.D. Easton, A.C. Easton, and K. D. Hambricht. Effects of toxigenic golden algae on feeding behaviors and life histories of daphniid zooplankton in Lake Texoma, TX-OK USA. 2nd International Golden Alga Symposium, Ft. Worth, TX.

2008

Zamor, R.M., K.L. Glenn, and K.D. Hambricht. Abiotic factors influence the distribution of toxic golden algae (*Prymnesium parvum*) in the Red River basin (OK-TX). 3rd Triennial Oklahoma-Texas Aquatics Research Group Meeting and the 35th Annual Great Plains Limnology Conference, OU Biological Station, Kingston, OK.

Rommel, E.J., E. Pearsall, N. Kohmescher, J. Larson, J.D. Easton, A.C. Easton, and K.D. Hambricht. Effects of toxigenic golden algae on feeding behaviors and life histories of herbivorous zooplankton. 3rd Triennial Oklahoma-Texas Aquatics Research Group Meeting and the 35th Annual Great Plains Limnology Conference, OU Biological Station, Kingston, OK.

Allison, B., K.L. Glenn, J.D. Easton, R.M. Zamor, A.C. Easton, and K.D. Hambricht. Effects of abrupt salinity changes on *Prymnesium parvum*. 3rd Triennial Oklahoma-Texas Aquatics Research Group Meeting and the 35th Annual Great Plains Limnology Conference, OU Biological Station, Kingston, OK.

Easton, J.D., K.D. Hambricht, R.M. Zamor, A. Easton, and K.L. Glenn. Blooms of toxigenic *Prymnesium parvum* in Lake Texoma: What can we learn from environmental monitoring? 3rd Triennial Oklahoma-Texas Aquatics Research Group Meeting and the 35th Annual Great Plains Limnology Conference, University of Oklahoma Biological Station, Kingston, OK.

Chumchal, M.M., R.W. Drenner, and K.D. Hambricht. Species-specific differences in mercury concentrations of planktivorous fish are related to differences in trophic position. 3rd Triennial Oklahoma-Texas Aquatics Research Group Meeting and the 35th Annual Great Plains Limnology Conference, University of Oklahoma Biological Station, Kingston, OK.

Jones, A.C., A. Lee, K.D. Hambricht and D.A. Caron. Attack of the Killer *Prymnesium*: Experiments to examine the Mixotrophic Abilities of the Toxic Haptophyte, *Prymnesium parvum*. Biology Interdepartmental Graduate Symposium USC. May.

Rommel, E.J., E. Pearsall, N. Kohmescher, J. Larson, J.D. Easton, A.C. Easton, and K.D. Hambricht. Effects of toxigenic golden algae on feeding behaviors and life histories of herbivorous zooplankton. 17th Annual Meeting-Oklahoma Clean Lakes and Watersheds Association, Tulsa, OK.

Hambricht, K.D. Plankton ecology in the last quarter century: have *Daphnia* led us astray? Annual meeting - American Society of Limnology and Oceanography, St. John's, Newfoundland, Canada. **(invited)**

Easton, J.D., K.D. Hambricht, R.M. Zamor, A. Easton, and K.L. Glenn. Blooms of toxigenic *Prymnesium parvum* in Lake Texoma: What can we learn from environmental monitoring? Annual meeting - American Society of Limnology and Oceanography, St. John's, Newfoundland, Canada.

2007

Rommel, E.J., E. Pearsall, N. Kohmescher, J. Larson, J. Easton, A. Easton, and K.D. Hambricht. Possible toxic effects of golden algae (*Prymnesium parvum*) on zooplankton feeding behaviors and life histories in Lake Texoma. 28th Annual Governor's Water Conference and 5th Annual Oklahoma Water Resources Research Institute Water Research Symposium, Oklahoma City, OK.

- Zamor, R.M., E.J. Remmel, E. Pearsall, N. Kohmescher, J. Larson, J. Easton, A. Easton, and K.D. Hambright. Golden algae (*Prymnesium parvum*) in Lake Texoma, OK-TX: monitoring bloom conditions and the implications of its toxic effects on fish and zooplankton survivorship. 28th Annual Governor's Water Conference and 5th Annual Oklahoma Water Resources Research Institute Water Research Symposium, Oklahoma City, OK.
- Kohmescher, N. and K.D. Hambright. *Prymnesium parvum* toxicity to Lake Texoma *Daphnia*. 16th Annual Meeting-Oklahoma Clean Lakes and Watersheds Association; Tahlequah, OK.
- Hambright, K.D., J. Easton, N. Kohmescher, R.M. Zamor, and A. Easton. Invasive and toxic: *Prymnesium parvum* moves northward into Oklahoman waters. Annual meeting - American Society of Limnology and Oceanography, Santa Fe, NM.
- Chumchal, M.M., R.W. Drenner, L. Newland, B. Fry, and K.D. Hambright. Habitat-specific differences in mercury concentrations of largemouth bass from Caddo Lake. Joint Meeting - South Central Society of Environmental Toxicology and Chemistry and the Texas River and Reservoir Management Society. Nacogdoches, Texas.

2006

- Easton, J., K.D. Hambright, N. Kohmescher, R.M. Zamor, and A. Easton. Toxicological and ecological role of *Prymnesium parvum* in Lake Texoma. 31st Annual Great Plains Limnology Conference, Kansas State University, Manhattan, KS.
- Chumchal, M.M., R.W. Drenner, B. Fry, D.J. Lutz-Carrillo, K.D. Hambright, W.C. McClain, and L. Newland. Mercury concentrations in fish from Caddo Lake, Texas. Joint Meeting - Southern Division and Texas Chapter of the American Fisheries Society, San Antonio, TX.
- Chumchal, M.M., R.W. Drenner, B. Fry, D.J. Lutz-Carrillo, K.D. Hambright, W.C. McClain, and L. Newland. Mercury concentrations in fish from Caddo Lake, Texas. Texas Academy of Science Annual Meeting, Beaumont, TX.
- Chumchal, M.M., R.W. Drenner, B. Fry, D.J. Lutz-Carrillo, K.D. Hambright, W.C. McClain, and L. Newland. Mercury concentrations in fish from Caddo Lake, Texas. Eighth International Conference on Mercury as a Global Pollutant, Madison, WI.
- Hambright, K.D. Relative roles of microbial and crustacean grazers in carbon and nutrient fluxes in freshwater food webs. Annual meeting - American Society of Limnology and Oceanography, Victoria, B.C., Canada. **(invited)**
- Hargrave, C.W., K.D. Hambright, and L.J. Weider. Genetic diversity effects on ecosystem function: grazing rates in clonal versus nonclonal *Daphnia* assemblages. Annual meeting - American Society of Limnology and Oceanography, Victoria, B.C., Canada.

2005

- Zohary, T., M. Shneor and K.D. Hambright. PlanktoMetrix-a computerized system for plankton microscope enumeration, measurement, biovolume computation, and data storage. 14th IAP Workshop, Sapanca, Turkey.
- Chumchal, M.M., R.W. Drenner, B. Fry, D.J. Lutz-Carillo, K.D. Hambright, W.C. McClain and L. Newland. Mercury concentrations in fish from Caddo Lake, Texas. Joint meeting - Oklahoma-Texas Aquatic Research Group and the Texas River and Reservoir Management Society, Kingston, Oklahoma.
- Chumchal, M.M., W.C. McClain, A. Davis, R.W. Drenner, K.D. Hambright, and L. Newland. Effect of sample size and non-random samples on the issuance of fish advisories Texas River and Reservoir Management Society, Waco, TX.
- Hambright, K.D. Long-term zooplankton body size and species changes in Lake Kinneret, Israel. Annual meeting - American Society of Limnology and Oceanography, Santiago de Compostela, Spain.
- Chumchal, M.M., K. D. Hambright, W. C. McClain, R. W. Drenner, and D. Cross. Do fish advisories accurately convey risk? Effect of small sample size and species-specific advisories. Annual Meeting - Texas Chapter of the American Fisheries Society, Grapevine, TX.
- Chumchal, M.M., K.D. Hambright, W.C. McClain, R.W. Drenner, and D. Cross. Do fish advisories accurately convey risk? Effect of small sample size and species-specific advisories. Annual Meeting - Texas Academy of Sciences, Edinburg, TX.

2003

Hambright, K.D., T. Zohary, and H. Güde. Experimental analysis of zooplankton grazing and nutrient remineralization in Lake Kinneret, Israel. 3rd Symposium for European Freshwater Sciences, Edinburgh, Scotland.

2002

Drenner, R.W. and K.D. Hambright. Piscivores, trophic cascades and lake management. Annual meeting - American Society of Limnology and Oceanography, Victoria, BC, Canada.

Hambright, K.D., T. Zohary, and H. Güde. Experimental analysis of zooplankton grazing and nutrient remineralization in Lake Kinneret, Israel. Joint meeting - Oklahoma-Texas Aquatics Research Group and the 29th Annual Great Plains Limnology Conference, OU Biological Station, Kingston, OK.

Hambright, K.D. and J. Yoon. Zooplankton of Lake Texoma. Joint meeting - Oklahoma-Texas Aquatics Research Group and the 29th Annual Great Plains Limnology Conference, OU Biological Station, Kingston, OK.

Drenner, R.W. and K.D. Hambright. Piscivores, trophic cascades and lake management. Joint meeting - Oklahoma-Texas Aquatics Research Group and the 29th Annual Great Plains Limnology Conference, OU Biological Station, Kingston, OK.

2001

Ostapenya, A., A. Parparov, K.D. Hambright, L. Håkanson and V. Bullion. Principles and approaches to system engineering of parameters of water quality in lakes on an example of lakes Naroch group in Belarus, Russian Hydrobiological Society, Kalliningrad, Russia.

Eckert, W., K.D. Hambright, Y.Z. Yacobi, I. Ostrovsky, and A. Sukenik. Internal wave induced changes in the chemical stratification in relation to the thermal structure in Lake Kinneret. 28th Societas Internationalis Limnologiae Conference, Melbourne, Australia.

Hambright, K.D., T. Zohary, and H. Güde. Experimental analysis of zooplankton grazing and predation in Lake Kinneret. Annual meeting - American Society of Limnology and Oceanography, Albuquerque, NM.

Zohary, T., K.D. Hambright, and H. Güde. Phytoplankton species specific grazing losses to micro- and macro-zooplankton in Lake Kinneret. Annual meeting - American Society of Limnology and Oceanography, Albuquerque, NM.

Blumenshine, S.C. and K.D. Hambright. Filter feeding fishes: a link between water quality and fisheries management? Annual meeting - American Society of Limnology and Oceanography, Albuquerque, NM.

Parparov, A., K.D. Hambright, A.P. Ostapenya, and L. Håkanson. Quantification of water quality in Lake Kinneret (Israel) and Naroch Lakes (Belarus). Annual meeting - North American Lake Management Society, Madison, WI.

2000

Hambright, K.D., W. Eckert, P.R. Leavitt, T. Zohary, and S.S. Schwartz. Hydrologic controls of P accumulation in Lake Kinneret: role of dams and diversions in regulating lake productivity. Annual meeting - American Society of Limnology and Oceanography, Copenhagen, Denmark.

Zohary, T. and K.D. Hambright. *Aphanizomenon* blooms in Lake Kinneret: responses to nutrient additions and zooplankton grazing. Annual meeting - American Society of Limnology and Oceanography, Copenhagen, Denmark.

Schwartz, S.S. and K.D. Hambright. Revelations on the structure of *Bosmina* populations in Lake Kinneret, Israel. Annual meeting - Ecological Society of America, Snowbird, UT.

1998

Hambright, K.D., W. Eckert, and I. Bar-Ilan. Phosphorus and water quality in newly created Lake Agmon (Agmon-Hula wetlands), Israel. 27th Societas Internationalis Limnologiae Conference, Dublin, Ireland.

Hambright, K.D., W. Eckert, P.R. Leavitt, T. Zohary, and S.S. Schwartz. Paleolimnology in Lake Kinneret: a 100-year record. 30th Anniversary Kinneret Limnological Laboratory Symposium, Ginnosar, Israel.

1997

Drenner, R.W. and K.D. Hambright. The ups and downs of biomanipulation. Annual meeting - North Texas Limnology Group, Arlington, TX.

1996

Hambright, K.D. and T. Zohary. Phytoplankton species diversity control through competitive exclusion and intermediate disturbances. Annual meeting - American Society of Limnology and Oceanography, Milwaukee, WI.

Hambright, K.D. and I. Bar-Ilan. General water chemistry of the New Hula Lake. 6th International Conference of the Israeli Society for Ecology and Environmental Quality Sciences, Jerusalem, Israel.

Parparov, A., K.D. Hambright, and T. Berman. Limnological studies as part of the management framework for lakes with variable morphometry. 6th International Conference of the Israeli Society for Ecology and Environmental Quality Sciences, Jerusalem, Israel.

Hambright, K.D. and T. Zohary. Hula: a newly reflooded wetland ecosystem in the Lake Kinneret watershed (Israel). International Congress of Ecology 5th International Wetlands Conference, Perth, Australia.

Zohary, T. and K.D. Hambright. Hula: limnology of a restored wetland ecosystem in Israel. International Congress of Ecology 5th International Wetlands Conference, Perth, Australia.

1995

Berman, T., T. Bernstein-Dan, W. Eckert, M. Gophen, O. Hadas, K.D. Hambright, A. Nishri, I. Ostrovsky, A. Parparov, R. Parparova, U. Pollinger, Y.Z. Yacobi, P. Walline, T. Zohary. *Aphanizomenon* in Lake Kinneret (Israel). Annual meeting - American Society of Limnology and Oceanography, Reno, NV.

1994

Zohary, T., A.M. Pais-Madeira, R. Robarts, and K.D. Hambright. Cyanobacteria-phytoplankton dynamics of a hypertrophic African lake. IAWQ-SIL Special Conference, Selection Mechanisms Controlling Biomass Distribution between Phytoplankton, Cyanobacteria, and Macrophyte species, Amsterdam, The Netherlands.

Hambright, K.D., M. Gophen, T. Zohary, O. Hadas, J.D. Easton, and B. Azoulay. Plankton consumption by fish and zooplankton. Annual meeting - American Society of Limnology and Oceanography, Miami, FL.

Sandler, A., K.D. Hambright, I. Brenner, and L. Halicz. Temporal and vertical patterns of trace and major elements in Lake Kinneret, Israel. Annual meeting - Geological Society of Israel, Ginnosar, Israel.

1993

Hambright, K.D., M. Gophen, and S. Serruya. Influence of long-term climatic changes on the thermal dynamics of Lake Kinneret. Annual meeting - American Society of Limnology and Oceanography, Edmonton, AL, Canada.

1991

Hambright, K.D. Role of alternate planktivorous fishes in piscivore-mediated trophic cascading effects. Annual meeting - American Society of Limnology and Oceanography, Halifax, NS, Canada.

1990

Hambright, K.D. Experimental analysis of the trophic cascade hypothesis. Annual meeting - American Society of Limnology and Oceanography, Williamsburg, VA.

Hambright, K.D. Experimental analysis of prey selection by largemouth bass: role of bass mouth width and prey body depth. Poconos Comparative Lakes Program, Lake Ariel, PA.

1989

Morin, A., K.D. Hambright, N.G. Hairston, Jr., D.M. Sherman, and R.W. Howarth. Consumer control of gross primary production in replicate freshwater ponds. 24th Societas Internationalis Limnologiae Conference, Munich, Germany.

1988

Hambright, K.D., R.W. Drenner, S.R. McComas, and N.G. Hairston. Gape-limited piscivores, prey size refuges, and the trophic cascade. Annual meeting - American Society of Limnology and Oceanography, Boulder, CO.

1986

Drenner, R.W., G.L. Vinyard, M. Gophen, U. Pollinger and K.D. Hambright. Size-selective particle grazing by a filter-feeding cichlid: effects of surgical removal of gill rakers and microbranchiospines. Joint meeting, 4th International Congress of Ecology and 71st Annual meeting - Ecological Society of America, Syracuse, NY.

1985

Trebatoski, R.J., K.D. Hambright, R.W. Drenner and D. Kettle. Effect of bass predation on bluegill impact on plankton community structure: a test of a cascading effects hypothesis. Annual meeting - American Society of Limnology and Oceanography, Madison, WI.

Trebatoski, R.J., K.D. Hambright, R.W. Drenner and D. Kettle. Piscivorous and planktivorous fish impacts on plankton community structure. 88th Annual meeting - Texas Academy of Sciences, Dallas, TX.

Hambright, K.D., B.T. Trebatoski, R.W. Drenner and D. Kettle. An experimental study of the impacts of bluegill (*Lepomis macrochirus*) and largemouth bass (*Micropterus salmoides*) on pond community structure. 12th Annual Great Plains Limnology Conference, Fayetteville, AR.

1984

Hambright, K.D., B.T. Trebatoski, R.W. Drenner and D. Kettle. Bluegill impact on zooplankton community structure: effects of piscivory. Annual meeting - American Society of Ichthyologists and Herpetologists, Norman, OK.

PUBLICATIONS

Peer-reviewed articles and book chapters (undergraduate and graduate students indicated)

93. Glidewell, D., J.E. Beyer, and K.D. Hambright. 2025. Microcystin bioaccumulates but does not biomagnify in an experimental aquatic food chain. *Harmful Algae* 141: 102768. (DOI: **10.1016/j.hal.2024.102768**).
92. Cai, H., C.J. McLimans, H. Jiang, F. Chen, L.R. Krumholz, and K.D. Hambright. 2024. Aerobic anoxygenic phototrophs play important roles in nutrient cycling within cyanobacterial *Microcystis* bloom microbiomes. *Microbiome* 12: 88 (DOI: **10.1186/s40168-024-01801-4**).
91. Cook, K.V., J. E. Beyer, X. Xiao, and K. D. Hambright. 2023. Ground-based remote sensing provides alternative to satellites for monitoring cyanobacteria in small lakes. *Water Research*:120076. (DOI: **10.1016/j.watres.2023.120076**).
90. Cai, H., C.J. McLimans, J.E. Beyer, L.R. Krumholz, and K.D. Hambright. 2023. *Microcystis* pangenome reveals cryptic diversity within and across morphospecies. *Science Advances* **9**, eadd3783. (DOI: **10.1126/sciadv.add3783**). [*Altmetrics: This article is in the 96th percentile of all tracked articles of a similar age in all journals:* <https://scienceadvances.altmetric.com/details/141253910>].
89. Pilla, R.M., C.E. Williamson, B.V. Adamovich, R. Adrian, O. Anneville, S. Chandra, W. Colom-Montero, S.P. Devlin, M.A. Dix, M.T. Dokulil, E.E. Gaiser, S.F. Girdner, K.D. Hambright, D.P. Hamilton, K. Havens, D.O. Hessen, S.N. Higgins, T.H. Huttula, H. Huuskonen, P.D.F. Isles, K.D. Joehnk, I.D. Jones, W.B. Keller, L.B. Knoll, J. Korhonen, B.M. Kraemer, P.R. Leavitt, F. Lepori, M.S. Luger, S.C. Maberly, J.M. Melack, S.J. Melles, D.C. Müller-Navarra, D.C. Pierson, H.V. Pislegina, P.-D. Plisnier, D.C. Richardson, A. Rimmer, M. Rogora, J.A. Rusak, S. Sadro, N. Salmaso, J.E. Saros, É. Saulnier-Talbot, D.E. Schindler, M. Schmid, S.V. Shimaraeva, E.A. Silow, L.M. Sitoki, R. Sommaruga, D. Straile, K.E. Strock, W. Thiery, M.A. Timofeyev, P. Verburg, R.D. Vinebrooke, G.A. Weyhenmeyer, E. Zadereev. 2021. Global data set of long-term

- summertime vertical temperature profiles in 153 lakes. *Scientific Data* 8:200. (DOI: **10.1038/s41597-021-00983-y**)
88. Li, C., K.D. Hambright, H.G. Bowen, M.A. Trammell, H.-P. Grossart, M.A. Burford, D.P. Hamilton, H. Jiang, D. Latour, E.I. Meyer, J. Padisak, R.M. Zamor, and L.R. Krumholz. 2021. Global co-occurrence of methanogenic archaea and methanotrophic bacteria in *Microcystis* aggregates. *Environmental Microbiology* 23: 6503-6519. (DOI: **10.1111/1462-2920.15691**)
 87. Kraemer, B.M., R.M. Pilla, R.I. Woolway, O. Anneville, S. Ban, W. Colom-Montero, S.P. Devlin, M.T. Dokulil, E.E. Gaiser, K.D. Hambright, D.O. Hessen, S.N. Higgins, K.D. Jöhnk, W. Keller, L.B. Knoll, P.R. Leavitt, F. Lepori, M.S. Luger, S.C. Maberly, D.C. Müller-Navarra, A.A. Paterson, D.C. Pierson, D.C. Richardson, M. Rogora, J.A. Rusak, S. Sadro, N. Salmaso, M. Schmid, E.A. Silow, R. Sommaruga, J.A.A. Stelzer, D. Straile, W. Thiery, P. Verburg, G.A. Weyhenmeyer, R. Adrian. 2021. Climate change drives widespread shifts in lake thermal habitat. *Nature Climate Change*. 11:521-529. (DOI: **s41558-021-01060-3**) [**Altmetrics: This article is in the 98th percentile of all tracked articles of a similar age in all journals:** <https://nature.altmetric.com/details/106992945>].
 86. Jane, S., B.M. Kraemer, P.R. Leavitt, R. North, R.M. Pilla, L. Woolway, C. Williamson, C. DeGasperi, L. Diemer, G. Flaim, K.D. Hambright, C. Hein, J. Hejzlar, L. Janus, J. Jones, L. Knoll, T. Leach, E. MacKay, S.-I. Matsuzaki, H.-P. Grossart, J. Philippe-Jenny, D. Pierson, E. Saulnier-Talbot, M. Schmid, R. Sommaruga, W. Thiery, L. Winslow, K. Yokota, and K. Rose. 2021. Widespread deoxygenation of temperate lakes. *Nature* 594: 66-70. (DOI: **s41586-021-03550-y**) [**Altmetrics: This article is in the 99th percentile of all tracked articles of a similar age in all journals:** <https://www.nature.com/articles/s41586-021-03550-y/metrics>].
 85. Halliday-Schult, T.C., J.E. Beyer, and K.D. Hambright. 2021. Spatial variation in propagule pressure and establishment of zebra mussels (*Dreissena polymorpha*) within a subtropical reservoir. *Aquatic Invasions* 16:94-112. (DOI: **10.3391/ai.2021.16.1.07**)
 84. Pilla, R.M., C.E. Williamson, B.V. Adamovich, R. Adrian, O. Anneville, S. Chandra, W. Colom-Montero, S.P. Devlin, M.A. Dix, M.T. Dokulil, E.E. Gaiser, S.F. Girdner, K.D. Hambright, D.P. Hamilton, K. Havens, D.O. Hessen, S.N. Higgins, T.H. Huttula, H. Huuskonen, P.D.F. Isles, K.D. Jöhnk, I.D. Jones, W.B. Keller, L.B. Knoll, J. Korhonen, B.M. Kraemer, P.R. Leavitt, F. Lepori, M.S. Luger, S.C. Maberly, J.M. Melack, S.J. Melles, D.C. Müller-Navarra, D.C. Pierson, H.V. Pislegina, P.-D. Plisnier, D.C. Richardson, A. Rimmer, M. Rogora, J.A. Rusak, S. Sadro, N. Salmaso, J.E. Saros, É. Saulnier-Talbot, D.E. Schindler, M. Schmid, S.V. Shimaraeva, E.A. Silow, L.M. Sitoki, R. Sommaruga, D. Straile, K.E. Strock, W. Thiery, M.A. Timofeyev, P. Verburg, R.D. Vinebrooke, G.A. Weyhenmeyer, E. Zadereev. 2020. Deeper waters are changing less consistently than surface waters in a global analysis of 102 lakes. *Scientific Reports*. 10:20514. (DOI: **10.1038/s41598-020-76873-x**). [**Altmetrics: This article is in the 94th percentile of all tracked articles of a similar age in all journals:** <https://www.nature.com/articles/s41598-020-76873-x/metrics>].
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