

CURRICULUM VITA**K. DAVID HAMBRIGHT****Address:**

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Current Position:

Director, Environmental Studies
Professor, Plankton Ecology & Limnology Lab., Ecology & Evolutionary Biology, Department of Biology.

Education:

1991 – 1992: Postdoctoral Fellow, Bi-national Agricultural Research and Development (BARD) Fund, Yigal Alon Kinneret Limnological Laboratory (KLL), Israel Oceanographic and Limnological Research, Migdal, Israel. Advisor: M. Gophen.
1991: Postdoctoral Associate, Cornell University, Center for Environmental Research. Advisor: R.W. Howarth
1991: Ph.D., Ecology and Evolutionary Biology, Cornell University, Ithaca, NY.
Dissertation: “Experimental analysis of piscivore-mediated trophic cascading effects in freshwater ponds: role of alternate planktivorous fishes.” Advisor: N.G. Hairston, Jr.
1985: M.S., Biology, Texas Christian University (TCU), Ft. Worth, TX.
Thesis: “Zooplankton community response to planktivorous bluegill (*Lepomis macrochirus*) and piscivorous largemouth bass (*Micropterus salmoides*).” Advisor: R.W. Drenner
1982: B.S., Biology, University of North Carolina, Charlotte, NC.

Professional Experience:

University of Oklahoma
2016 – present: Director, Environmental Studies
2015: Interim Director, Interdisciplinary Perspectives on the Environment
2014 – 2015: Faculty Fellow for Water and the Environment, Dean’s Office, College of Arts & Sciences
2013 – present: Professor, OU, Department of Biology.
2006 – 2012: Associate Professor, OU, Biological Station and Department of Biology.
2001 – 2006: Assistant Professor, OU, Biological Station and Department of Zoology.
Kinneret Limnological Laboratory (KLL), Israel Oceanographic and Limnological Research, Migdal, Israel.
1996 – 2001: Senior Research Scientist (with tenure; equivalent to Associate Research Professor), KLL.
1994 – 1995: Scientific Coordinator, Aquatic Studies Program, Hula Restoration Project, Israel Lands Authority, and Israel Ministry of Agriculture, Israel.
1993 – 1995: Research Scientist (equivalent to Assistant Research Professor), KLL.
Cornell University
1987: Research Support Specialist, Experimental Ponds Facility, Department of Agronomy.
1986 – 1990: Teaching Assistant (Ichthyology, Limnology, Communities and Ecosystems), Section of Ecology and Systematics.
Texas Christian University, Department of Biology
1985 – 1986: Research Associate (Limnology, Fish Ecology).
1984: Laboratory Instructor (Biology).
1983 – 1984: Teaching Assistant (Biology, Limnology).
1982 – 1983: Research Assistant (fish ecology).
University of Nevada – Reno
1984: Research Assistant (pupfish behavior), Department of Biology.

Sabbatical and Other Appointments:

2014 – pres.: National Academy of Sciences Committee to Review the Edwards Aquifer Habitat Conservation Program, (formerly the National Research Council), National Academies, Washington, D.C.
2001 – 2006: Adjunct Research Scientist, KLL.
1997: Visiting Fellow (sabbatical), Cornell, Department of Ecology and Evolutionary Biology.

TEACHING

Courses:

Water and Ecological Sustainability (BIOL 3463/ENST 3763), Ecology of Lakes (BIOL 4463), Ecology of Lakes Laboratory (BIOL 4471), Advanced Limnology (BIOL 4663/5663), Water Resources: Preservation and Conservation (Senior Capstone: BIOL 4983), EEB Graduate Seminar Series (BIOL/MBIO/PBIO 5471).

Undergraduate Research Supervision:

Lena Wilson, 2016 – present, Biology, Environmental Studies, and Honors College, OU.

Joey C. DeAngelis, 2015 – present, Biology and Honors College, OU.

Brandon Chien, 2014 – present, Biology and Honors College, OU.

Daniella Glidewell, 2013 – pres., 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).

Kathryn Shaubeger, 2013 – 2015, Biology and Honors College, OU.

*Undergraduate Research Opportunities Program Award, Honors College; Honors Thesis: “Selective feeding may benefit zebra mussels in cyanobacteria-dominated lakes.”

Emily Day, 2013, Geography and Environmental Sustainability, OU.

Ellen Gross, 2013, Microbiology, OU.

Ana Mohammed-Zadeh, 2012, Biology and Honors College, OU.

Jarrod Hertzler, 2012, Biology, University of Central Oklahoma (UCO), Edmond.

Joshua Warren, 2011, Chemistry/Biochemistry, OU.

Jeffrey F. Hayworth, 2010, Zoology, OU.

Merric Dosser, 2010, Zoology, OU.

Zane Russell, 2010, Zoology, OU.

Logan O. Beard, 2009, Zoology, OU.

Brenda Allison, 2008 – 2011, Zoology, OU.

*Outstanding Senior, Department of Zoology.

Majed Gharfeh, 2007 – 2009, 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)

Emily Remmel, 2007 – 2008, 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.

Elizabeth Pearsall, 2007, Zoology, OU.

Beatriz E. Santamaria (study abroad), B.S. 2005, Biology, Universidad Simon Bolivar, Caracas, Venezuela.

Jihye Yoon, 2002 – 2004, Zoology, OU.

Nicole Luke, 2001 – 2005, Microbiology and Zoology, OU.

*Undergraduate Research Opportunities Program Award, Honors College, Thesis: “Grazing and nutrient remineralization by *Daphnia mendotae*.”

Mitch Moore, 2001, Zoology, OU.

Graduate Supervision: Major Advisor/Committee Chair: Current

Christopher Acy, Ph.D. EEB-Biology – in progress, “The ecology of evolution of invasive species.”

Katherine Hooker, Ph.D. EEB-Biology – in progress, “Cyanobacteria in freshwaters: from genes to satellites.”

Francisco J. Acosta Espinosa, Ph.D. EEB-Biology – on leave, progress suspended, “Gene-expression in *Prymnesium parvum*.”

Brenda Allison, M.S. Biology – defended 14 January 2016, “Effect of the toxigenic alga *Prymnesium parvum* on a natural zooplankton community.”

Jessica E. Beyer, Ph.D. EEB-Biology – in progress, “Effect of environmental variation on the community composition, abundance, and reproductive strategies of monogonont rotifers.”

Thayer Hallidayschult, Ph.D. EEB-Biology – in progress, “Ecology of invasive Zebra mussels and Harris mud crabs in Lake Texoma.”

Graduate Supervision: Major Advisor/Committee Chair: Previous

Richard M. Zamor, Ph.D. EEB-Biology – 2013, “The ecology of an invasive toxigenic protist.” OU. Position after graduation: Watershed Biologist, Ecosystems and Education, Grand River Dam Authority, Langley, OK, Current position: Project/Research Director for Water Quality Laboratory, Ecosystems and Lake Management, Grand River Dam Authority, Langley, OK.

Emily Rimmel, M.S. Zoology – 2010, “*Prymnesium parvum*, toxins, and herbivorous zooplankton.” OU. Position after graduation: Oklahoma Department of Environmental Quality, Current position: Environmental Legal Editor at BLR.com; Member of the American Bar Association and the New Hampshire Bar Association; Adjunct Instructor, Environmental Studies, OU.

Nicole Luke, M.S. Zoology – 2007, “Ecological role of *Prymnesium parvum*, a toxic golden alga, in Lake Texoma.” OU. Position after graduation: Limnologist, Oklahoma Water Resources Board.

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: Associate Professor, Biology and Director, Pre-Health Professions Institute, TCU.

James Easton, Ph.D. EEB – 2003, “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, Mekorot Water Company, Israel.

Graduate Supervision: Committee Member: Current:

Juan Calderon (R. Nairn), Ph.D. Civil Engineering & Environmental Science – in progress, OU.

Depeng Xu (J. Zhou), Ph.D. Microbiology – in progress, OU.

Billy Culver (L. Weider), Ph.D. EEB-Biology – in progress, OU.

Joshua Cooper (B. Wawrik), Ph.D. Microbiology – in progress, OU.

Graduate Supervision: Committee Member: Previous:

Juan Calderon (R. Nairn), M.S. Civil Engineering & Environmental Science – Defended November 2015, OU.

Jess R. Eberle (G. Wellborn), M.S. Biology – 2014, OU.

Jesse Becker (W. Nowlin), Ph.D. Biology – 2013, Texas State University, San Marcos.

William Andrews (R. Nairn), Ph.D. Civil Engineering and Environmental Sciences – 2011, OU.

Aram Goodwin (Y. Erez), M.S. Geology – 2010, Hebrew University of Jerusalem.

Darcy Lutes (R. Nairn), M.S. Civil Engineering and Environmental Sciences – 2009, OU.

Punidan Jeyasingh (L. Weider), Ph.D. EEB-Zoology – 2007, OU.

Daniel Spooner (C. Vaughn), Ph.D. Zoology – 2007, OU.

Robert Ryan (W. Shelton), M.S. Zoology – 2004, OU.

Matthew Chumchal (R. Drenner), M.S. Biology – 2003, TCU.

Graduate Supervision: Laboratory and field mentoring:

Adriane C. Jones (D. Caron), Ph.D. – 2013, Marine Biology, University of Southern California.

Jon Henrikson (R. Cichewicz), Ph.D. – 2011, Chemistry and Biochemistry, OU.

Leonid Sukharnikov (B. Roe), Ph.D. – 2010, Chemistry and Biochemistry, OU.

Maria Pilar Beltran Zuniga (study abroad), M.Sc. – 2010, Universitat de València, Spain

Jennifer M. McAllister (R. Nairn), M.S. – 2010, Civil Engineering and Environmental Sciences, OU

Sigal Balshine Earn, Ph.D. – 1995, Zoology, Cambridge University.

Postdoctoral supervision:

Jinheng Zhang, Ph.D. – 2003 (Zhejiang University, China), with X. Xiao, “Remote sensing of water quality and harmful algae in Oklahoma’s lakes.” Mar 2013 – Oct 2013, Position after: Qingdao University of Science & Technology, China.

James H. Larson, Ph.D. – 2006 (University of Notre Dame), “The effect of *Prymnesium parvum* toxins on nutrient cycling in Lake Texoma.” Oct 2006 – Jul 2007, Position after: Biologist, U.S. Geological Survey, Upper Midwest Environmental Sciences Center, La Crosse, Wisconsin.

James D. Easton, Ph.D. – 2003 (Hebrew University of Jerusalem), “Ecotoxicology and environmental monitoring of *P. parvum* in Lake Texoma.” Feb 2006 – Jun 2008, Position after: Researcher III/Field Manager, OU Biological Station.

Peter J. Unmack, Ph.D. – 2005 (Arizona State University), “Ecotoxicology and environmental monitoring of *P. parvum* in Lake Texoma.” Jun 2005 – Dec 2005, Position after: Post-doctoral Research Associate, National Evolutionary Synthesis Center (NESCent).

Chad W. Hargrave, Ph.D. – 2005 (OU), with L. Weider, “Effects of genetic diversity on *Daphnia* regulation of ecosystem function.” Jun 2005 – Aug 2006, Position after: Assistant Professor, Biological Sciences, Sam Houston State University.

Steven S. Schwartz. Ph.D. (University of Nebraska), “Paleolimnological and historical perspectives of *Bosmina* populations in Lake Kinneret.” Jan 1998 – Jun 1999. Position after: Lecturer for Bridgewater State College, Boston.

Technical supervision:

Trier Ward, Research Scientist I (OU), Jan – Jun 2012.

Ann Morris, Research Technician (OU), Feb 2010 – Feb 2011

James Easton, Research Scientist III (OU), Jul 2008 – Jun 2012.

Karen L. Glenn, Research Scientist III (OU), Jan 2007 – Dec 2011.

Anne Easton, Research Scientist II (OU), Sep 2006 – Jan 2012.

Yehudit Viner-Mozzini, Laboratory Technician (KLL), 1998 – 2001

Bonnie Azoulay, Laboratory Technician (KLL), 1993 – 2003.

High School Student AP-Honors Research supervision”

Stephanie Horsfall, Southmoore High, AP Science, *pH effects on Microcystis toxin production*, 2015 – present.

Zane Tilson, Southmoore High, AP Science, *Environmental control of lipid production in algae*, 2015 – 2016.

SERVICE

University Service:

Current:

Founder, Organizer, OU Earth Month, 2015 – present. (recognized by Earth Month, Inc. through Environmental Excellence Award, Mar 2016)
 Member, Environmental Concerns Committee, 2015 – present.
 Faculty Sponsor for OU Earth Student Organization, 2015 – present.

Previous:

Member, CORIX Site visit team (Vancouver and Victoria facilities), Office of the Vice President for Research, 2015.
 Member, Water Innovation Research Laboratory Development Committee II, Office of the Vice President for Research, 2015.
 Member, Committee for Water Research, Education and External Engagement, Office of the Vice President for Research, 2014-2015.
 Member, Planning Committee for the Water Innovation Research Laboratory (WIRL), University Research Cabinet, 2013 – 2014.
 Member, OU Faculty Development Awards Committee, 2011 – 2012.
 Member, OU Vice President for Research Task Force on University Research Awards, 2010.
 Member, OU Research Council, 2009 – 2012:
 Reviewer for ~40 to 60 proposals annually
 Dossier review for:
 George Lynn Cross Research Professorships
 Vice President for Research Award for Outstanding Research Impact
 Vice President for Research Award for Outstanding Research Engagement
 Henry Daniel Rinsland Memorial Award for Excellence in Education Research
 Subcommittee on Conflict of Interest Policy, 2011.
 Task Force on Research Council Portfolio Revision, 2010 – 2011.
 Subcommittee on Potentially Transformative Research Program, 2010.
 Team leader, Alpha Time, Center for Water Literacy and Sustainability (CWLS): An Educational and Research Forum for the Sustainable Development, Preservation, and Conservation of Water Resources and their Biodiversity in Oklahoma, OU Research Cabinet, 2007.

College Service:

Current:

Member, College of Arts and Sciences Course and Curriculum Committee, 2015 – present.

Previous:

Faculty Fellow for Water and the Environment, Dean's Office, College of Arts & Sciences, 2014 – 2015
 Member, OU College of Arts and Sciences Berlin Scholarship Committee, 2006 – 2012, Chair 2009 – 2012.

Departmental (Environmental Studies):

Current:

Director, Environmental Studies, 2015 – present.
 Academic advisor, 2015 – present (25-50 majors and minors advised twice annually, represent program at Majors and Minors Fair, Summer Freshman Advising,

Previous:

Interim Director, Interdisciplinary Perspectives on the Environment, 2015
 Member, Committee A (Executive personnel committee), 2013 – 2015.

Departmental (Biology):

Current:

Member, Graduate Scholarship Committee, Department of Biology, 2015 – present.
 Member, OU Graduate Program in Ecology and Evolutionary Biology Steering Committee, 2010 – present.

Previous:

Organizer, OU EEB "EcoMunch" Graduate Seminar Series (ZOO/BOT/MICRO 5471), 2009 – 2012, 2014.
 Member, OU Zoology (Biology) Department Graduate Studies Committee, 2009 – 2012, 2013 – 2014.
 Member, OU Biological Station Graduate Student Scholarship Committee, 2008 – 2012.
 Member, OU Biological Station Committee A (Executive personnel committee), 2006 – 2012.
 Chair, OU Zoology Department Annual Retreat Organizing Committee, 2009.
 Member, OU Zoology (Biology) Department Graduate Selections Committee, 2002 – 2005, 2008 – 2009, 2014 – 2015.
 Member, OU Zoology Department Library Committee, 2006 – 2008.
 Member, OU Zoology Department Adam's Scholarship Committee, 2005, 2006, 2009.
 Member, OU Zoology Department General Seminar Committee, 2004 – 2006.
 Member, OU Zoology Department Safety Committee, 2001 – 2002.

Professional Service:Current:

Member, National Academy of Sciences Committee to Review the Edwards Aquifer Habitat Conservation Program, (formerly the National Research Council), National Academies, Washington, D.C., 2014 – present.
 Board Member, Oklahoma Clean Lakes and Watersheds Association, 2015 – present.
 Chair, South-Central U.S. Chapter, Society for Freshwater Science, 2013 – present.
 Member, Zebra Mussel Task Force, Oklahoma Department of Wildlife Conservation, 2009 – present.
 Member, Lake Texoma Advisory Committee, U.S. Army Corps of Engineers, Tulsa, OK, 2007 – present.

Previous:

Chair, *Freshwater biodiversity under multiple pressures*, SEFS 9: Symposium for European Fresh Water Sciences, Geneva, Switzerland; 2015.
 Member, Oklahoma HAB Monitoring Task Force, Office of the Secretary of the Environment, 2012.
 Consultant, West Virginia Department of Environmental Protection, 2009 – 2011.
 Member, Water Quality Trends Assessment Committee, Oklahoma Water Resources Board, 2008 – 2011.
 Co-Host and Organizer, Tri-annual meetings of the Oklahoma-Texas Aquatics Research Group (OTARG), OU Biological Station, Kingston, OK:
 4) OTARG met jointly with 36th Great Plains Limnology Conference, 2011;
 3) OTARG met jointly with the 35th Great Plains Limnology Conference, 2008;
 2) OTARG met jointly with the Texas River and Reservoir Management Society, 2005;
 1) OTARG met jointly with the 29th Great Plains Limnology Conference, 2002.
 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, Jan 2009.
 Chair, *General zooplankton*, Annual meeting of the American Society of Limnology and Oceanography, Santiago de Compostela, Spain, 2005.
 Co-organizer, Chair, Facilitator, Middle East Water Working Groups (MEWWG), OU International Programs Center, Center for Peace Studies:
 3) MEWWG-IV, Amman, Jordan, 2004.
 2) MEWWG-II, Amman, Jordan, December 2003;
 1) MEWWG-I, Plano Platres, Cyprus, June 2003.
 Chair, *Physiological ecology, ecotoxicology and pollution*, 3rd Symposium for European Freshwater Sciences, Edinburgh, Scotland, 2003.
 Member, Education Resources Web Page Sub-committee, American Society of Limnology and Oceanography Education Committee, 2002 – 2005.
 Invited Participant, *Plankton Ecology Group Symposium – 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, 2001.
 Chair, *Zooplankton ecology*, Annual meeting of the American Society of Limnology and Oceanography, Albuquerque, NM, 2001.

Editorial and Review Responsibilities

Editorial Board: *Environment, Ecology & Management*, 2012 – present.
ISRN Ecology, 2010 – 2014

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

Co-editor, "Lake Management: 2000+." *Advances in Limnology*, vol. 55, Schweizerbart, Berlin, 2000.

Editor, "Hula Wetlands (Israel) Restoration Project." *Wetlands Ecology and Management*, vol. 6 (2 – 3), 1998.

Co-editor, *Current insights into the potential impacts of lowering Lake Kinneret water levels to –214m altitude*. IOLR-KLL report T24/94 to the Israel Water Commission, 1994.

Reviewer: Scholarly journals – *African Journal of Aquatic Sciences, Algal Research, American Naturalist, Aquatic Ecology, Aquatic Microbial Ecology, Aquatic Sciences, Biological Invasions, BioScience, Canadian Journal of Fisheries and Aquatic Sciences, Central European Journal of Biology, Chinese Journal of Oceanography and Limnology, Ecological Applications, Ecological Modeling, Ecology, Ecology of Freshwater Fish, Ecology Letters, Ecosystems, Environment, Ecology & Management, Environmental Science and Technology, Fundamental and Applied Limnology (Archiv für Hydrobiologie), Harmful Algae, Hydrobiologia, Inland Waters, International Journal of Remote Sensing, Israel Journal of Ecology and Evolution, ISRN Ecology, Journal of Ecology, Journal of Environmental Management, Journal of Geophysical Research-Biogeosciences, Journal of Hydrology, Journal of North American Fisheries Management, Journal of Phycology, Journal of Plankton Research, Journal of the American Water Resources Association, Journal of Thermal Biology, Lake and Reservoir Management, Limnology and Oceanography, Microbial Ecology, Oecologia, Oikos, Polish Journal of Environmental Studies, PLoS One, Protist, Science of the Total Environment, Toxins, Transactions of the American Fisheries Society, Verhandlungen Internationale Vereinigung für Theoretische und Angewandte Limnologie, Water Research.*

Reviewer: Funding agencies – *American Association for the Advancement of Science; California Sea Grant; Center for Sponsored Coastal Ocean Research-National Oceanic and Atmospheric Administration (CSCOR-NOAA); Fonds québécois de la recherche sur la nature et les technologies (FQRNT); Icelandic Research Foundations (IRF); Israel Science Foundation; National Oceanographic and Atmospheric Administration – National marine Fisheries Service (NOAA-NMFS); Netherlands Organization for Scientific Research (NWO); New York Sea Grant; Oak Ridge Associated Universities (ORAU); Rhode Island Sea Grant; South African National Research Foundation; US-Israel Bi-National Science Foundation (BSF); US National Science Foundation (NSF); US Sea Grant; US State Department (Science and Technology Centers in the former USSR).*

Membership in Professional Societies

American Fisheries Society, American Society of Naturalists, Association for the Sciences of Limnology and Oceanography (formerly American Society of Limnology and Oceanography), Ecological Society of America, International Society of Limnology (formerly International Association of Theoretical and Applied Limnology and Societas Internationalis Limnologiae, SIL), Oklahoma Clean Lakes and Watersheds Association, Sigma Xi - The Scientific Research Society, Society for Freshwater Science.

RESEARCH

Research Grants and Other Awards (total = \$5.39M)

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 match¹).

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, 3 years, co-PI, **\$615,894** (incl. \$216,096 institutional match).

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**.

¹ Institutional matching funds included when sponsor limits IDC recovery.

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-Israel Research Foundation, 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

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)

2016

Hooker, K., T.C. Hallidayschult, J. Wang, J.E. Beyer, B. Chien, D.L. Glidewell, X. Xiao, and K.D. Hambright. "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 2016.

2015

Acosta, F., B.A. Wawrik, and K.D. Hambright. "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 2015.

Beyer, J.E. and K.D. Hambright. "Negative effects of cyanobacteria exposure on survival and reproduction in the rotifer *Brachionus calyciflorus* within and across generations." XIV. International Rotifer Symposium, Ceske Budejovice, Czech Republic; 30 August-4 September 2015.

Hallidayschult, T.C. and K.D. Hambright. "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.

Hambright, 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; 5-10 July 2015.

Allison, B., J.E. Beyer, T.C. Hallidayschult, K.D. Hambright. "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 2015. **(Third place graduate student oral presentation).**

Allison, B., J.E. Beyer, T.C. Hallidayschult, K.D. Hambright. "Effects of the toxigenic alga *Prymnesium parvum* on a zooplankton community assemblage." Oklahoma Invasive Species Conference, Norman, OK; 13 March 2015. **(Second place oral presentation)**

Shauburger, K., T.C. Hallidayschult, & K.D. Hambright. "Experimental analysis of zebra mussels feeding on toxic and non-toxic algae." Oklahoma Invasive Species Conference, Norman, OK; 13 March 2015.

Hallidayschult, T.C. and K.D. Hambright. "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 2015.

Allison, B., J.E. Beyer, T.C. Hallidayschult, K.D. Hambright. "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 2015.

Allison, B., J.E. Beyer, T.C. Hallidayschult, K.D. Hambright. "Effects of the toxigenic alga *Prymnesium parvum* on a zooplankton community". University of Oklahoma Graduate Student Research Day; Norman, OK; 6 March 2015. **(First Place Science Category)**

2014

Glidewell, D.L., J.E. Beyer, K. Shauburger, K.D. Hambright. "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 2014. **(Outstanding undergraduate student poster).**

- Allison, B., J.E. Beyer, T.C. Hallidayschult, K.D. Hambright. "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 2014. (**Outstanding graduate student poster**).
- Shauberger, K., T.C. Hallidayschult, J.E. Beyer, D. Glidewell, K.D. Hambright. "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 2014.
- Hambright, 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 2014. (**invited presentation**).
- Hambright, 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 2014.
- Beyer, J.E., T.C. Hallidayschult, D.L. Glidewell, K.D. Hambright. "Interactive effects of cyanobacteria and maternal condition on survival, reproduction, and offspring provisioning in rotifers." Joint Aquatic Sciences Meeting, Portland, OR; 18-23 May 2014.
- Hallidayschult, T.C., J.E. Beyer, K.D. Hambright. "Range expansion leads to new challenges: zebra mussels in a subtropical reservoir." Joint Aquatic Sciences Meeting, Portland, OR; 18-23 May 2014.
- Hambright, 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 2014.
- Beyer, J.E., T.C. Hallidayschult, D.L. Glidewell, K.D. Hambright. "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 2014.
- Hallidayschult, T.C., J.E. Beyer, K.D. Hambright. "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 2014.
- Zamor, R.M., N.R. Franssen, C. Porter, T.M. Patton, K.D. Hambright. "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 2014.

2013

- Zamor, R.M. and K.D. Hambright. "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 Oct 2013.
- Hallidayschult, T.C., J.D. Easton, A.C. Easton, R.M. Zamor, K.L. Glenn, J.E. Beyer, E.J. Rimmel, K.D. Hambright. "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 Apr 2013.
- Zohary, T., G. Gal, K.D. Hambright. "The food web of Lake Kinneret: A four-decadal retrospective." Israeli Association for Aquatic Sciences, Mihmoret, Israel, 13-14 March 2013.
- Hambright, K.D., J.D. Easton, R.M. Zamor, A.C. Easton, K.L. Glenn, B. Allison, E.J. Rimmel, 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 Feb 2013.
- Beyer, J.E., E.J. Rimmel, R.M. Zamor, J.D. Easton, A.C. Easton, K.L. Glenn, T.C. Hallidayschult, and K.D. Hambright. "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 Feb 2013.
- Hallidayschult, T.C., J.D. Easton, A.C. Easton, R.M. Zamor, K.L. Glenn, J.E. Beyer, E.J. Rimmel, and K.D. Hambright. "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 Feb 2013.
- Zamor, R.M. and K.D. Hambright. "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 Feb 2013.
- 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; Jan. 2013.

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." 2012 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," 2011 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 2011.

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. Hambricht 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.
- Hambricht, K.D., R.M. Zamor, J.D. Easton, K.L. Glenn, E.J. Rimmel, 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. Hambricht. "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.
- Rimmel, E.J., N. Kohmescher, J.H. Larson, and K.D. Hambricht. "Golden algae-zooplankton interactions and the ultimate grazing defense - kill your grazers." Annual meeting - North American Lake Management Society, Oklahoma City, OK.
- Hambricht, K.D., E.J. Rimmel, 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. Hambricht. "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

- Hambricht, K.D., R.M. Zamor, J.D. Easton, K.L. Glenn, E.J. Rimmel, 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)**
- Rimmel, E.J., J.C. Henrikson, and K.D. Hambricht. "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. Hambricht, 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. Hambricht. "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. Hambricht. "Abundance and diversity in freshwater bacterial assemblages correlate with lake trophic status." Centennial of Limnology at Cornell University, Ithaca, NY. **(Hambricht invited)**
- Rimmel, 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." Centennial of Limnology at Cornell University, Ithaca, NY.
- Zamor, R.M., K.G. Looper, A.C. Easton, and K.D. Hambricht. "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.G. Looper. "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.G. Looper, 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.
- Rimmel, 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.G. Looper, and K.D. Hambright. "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. Hambright. "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.G. Looper, J.D. Easton, R.M. Zamor, A.C. Easton, and K.D. Hambright. "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. Hambright, R.M. Zamor, A. Easton, and K.G. Looper. "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. Hambright. "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. Hambright 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 2008
- Rommel, 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 herbivorous zooplankton." 17th Annual Meeting – Oklahoma Clean Lakes and Watersheds Association, Tulsa, OK.
- Hambright, 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. Hambright, R.M. Zamor, A. Easton, and K.G. Looper. "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. Hambright. "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. Rommel, 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-Carrillo, 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, Edinburg, 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

- Ostapenia, A., A. Parparov, K.D. Hambright, L. Håkanson and V. Bulion. "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.

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)

73. Goodwin, A.R., J. Erez, K.D. Hambright, N. Koren, E. Barkan, and T. Zohary. 2016. "Species-specific imprint of the phytoplankton assemblage on carbon isotopes and the carbon cycle in Lake Kinneret, Israel." *Inland Waters* 6:211-223. doi: 10.5268/IW-6.2.936.
72. Zohary, T., M. Shneor, and K.D. Hambright. 2016. "PlanktoMetrix – a computerized system to support microscope counts and measurements of plankton." *Inland Waters* 6:131-135. doi:10.5268/IW-6.2.965.
71. Beyer, J.E. and K.D. Hambright. 2016. "Persistent and delayed effects of toxic cyanobacteria exposure on life history traits of a common zooplankton." *Limnology and Oceanography*. doi: 10.1002/lno.10239.
70. Roelke, D.L., A. Barkoh, B.W. Brooks, J.P. Grover, K.D. Hambright, J.W. La Claire II, P.D.R. Moeller, and R. Patiño. 2016. "A chronicle of a killer alga in the west: ecology, assessment, and management of *Prymnesium parvum* blooms." *Hydrobiologia* 764: 29-50. doi:10.1007/s10750-015-2273-6.
69. Acosta, F., R.M. Zamor, F.Z. Najjar, B.A. Roe, and K.D. Hambright. 2015. "Dynamics of an experimental microbial invasion." *Proceedings of the National Academy of Sciences* 112: 11594-11599. doi:10.1073/pnas.1505204112.
68. Liu, Z., A.C. Jones, V. Campbell, K.D. Hambright, K.B. Heidelberg, D.A. Caron. 2015. "Gene expression in the mixotrophic haptophyte, *Prymnesium parvum*, responds to prey availability." *Frontiers in Microbiology* 6:319. doi: 10.3389/fmicb.2015.00319.
67. Hambright, K. D., J.E. Beyer, J.D. Easton, R.M. Zamor, A.C. Easton, and T.C. Halliday. 2015. "The niche of an invasive marine microbe in a subtropical freshwater impoundment." *The ISME Journal*, 9:256-264. doi:10.1038/ismej.2014.103.
66. Hambright, K. D., J. D. Easton, R.M. Zamor, J.E. Beyer, A. C. Easton, and B. Allison. 2014. "Regulation of growth and toxicity of a mixotrophic microbe: implications for understanding range expansion in *Prymnesium parvum*." *Freshwater Science* 33:745-754.
65. Zamor, R.M., C. Porter, N.R. Franssen, E.J. Rimmel, T. Patton, and K.D. Hambright. 2014. "Rapid recovery of a fish assemblage following an ecosystem disruptive algal bloom." *Freshwater Science* 33:390–401.
64. Zohary, T., G. Gal, and K.D. Hambright. 2014. "The pelagic food-web." Pages 293-306, in: Zohary, T., A. Sukenik, T. Berman, A. Nishri (eds.) *Lake Kinneret – Ecology and Management*. Springer.
63. Gal, G. and K.D. Hambright. 2014. "Temporal and Spatial Dynamics of Zooplankton." Pages 227-245, in: Zohary, T., A. Sukenik, T. Berman, A. Nishri (eds.) *Lake Kinneret – Ecology and Management*. Springer.
62. Parparov, A., K.D. Hambright, and T. Berman. 2014. "Water quality assessment in Lake Kinneret." Pages 607-615, in: Zohary, T., A. Sukenik, T. Berman, A. Nishri (eds.) *Lake Kinneret – Ecology and Management*. Springer.
61. Hambright, K.D., R.M. Zamor, J.D. Easton, and B. Allison. 2014. "Algae." Pages 130-141, in Wexler, P. (ed.). *Encyclopedia of Toxicology*, 3rd edition. Elsevier. (invited)
60. Jones, A.C., T.S.V. Liao, F.Z. Najjar, B.A. Roe, K.D. Hambright, and D.A. Caron. 2013. "Seasonality and disturbance: Annual pattern and response of the bacterial and microbial eukaryotic assemblages in a freshwater ecosystem." *Environmental Microbiology* 15: 2557-2572.
59. Hambright, K.D. 2012. "Golden algae and the health of Oklahoma's lakes." *LakeLine* Fall 2012:33-38.
58. Rimmel, E.J. and K.D. Hambright. 2012. "Toxin-assisted micropredation: Experimental evidence shows that contact micropredation rather than exotoxicity is the role of *Prymnesium* toxins." *Ecology Letters* 15: 126-132.
57. Zamor, R.M., K.L. Glenn, and K.D. Hambright. 2012. Incorporating molecular tools into routine HAB monitoring programs: using qPCR to track invasive *Prymnesium*. *Harmful Algae* 15:1-7.
56. Hargrave, C.W., K.D. Hambright, and L.J. Weider. 2011. "Variation in resource consumption across a gradient of increasing intra- and interspecific richness." *Ecology* 92:1226-1235.
55. Rimmel, E.J., N. Kohmescher, J.H. Larson, and K.D. Hambright. 2011. "Experimental study of harmful algae-zooplankton interactions and the ultimate grazing defense." *Limnology and Oceanography* 56: 461-470.
54. Chumchal, M.M., R.W. Drenner, D.R. Cross, and K.D. Hambright. 2010. "Factors influencing mercury accumulation in three species of forage fish from Caddo Lake, Texas, USA." *Journal of Environmental Sciences* 22:1158-1163.

53. Hambright, K.D., R.M. Zamor, J.D. Easton, K.G. Looper, E.J. Remmel, and A.C. Easton. 2010. "Dynamics of an invasive toxigenic protist in a subtropical reservoir." *Harmful Algae* 9:568-577.
52. Cichewicz, R.H. and K.D. Hambright. 2010. "A revised amino group pKa for prymnesins does not provide decisive evidence for a pH-dependent mechanism of *Prymnesium parvum*'s toxicity." *Toxicon* 55:1035-1037.
51. Henrikson, J.C., M.S. Gharfeh, A.C. Easton, J.D. Easton, K.L. Glenn, S.L. Mooberry, K.D. Hambright, and R.H. Cichewicz. 2010. "Reassessing the ichthyotoxin profile of cultured *Prymnesium parvum* (Golden Algae) and comparing it to samples collected from recent freshwater bloom and fish kill events in North America." *Toxicon* 55:1396-1404.
50. Chumchal, M.M. and K.D. Hambright. 2009. "Ecological factors regulating mercury contamination of fish in Caddo Lake, Texas." *Environmental Toxicology and Chemistry* 28:962-972.
49. Hambright, K.D. 2008. "Long-term zooplankton body size and species changes in a subtropical lake: implications for lake management." *Fundamental and Applied Limnology* 173:1-13.
48. Hambright, K.D., T. Zohary, W. Eckert, S. Schwartz, C.L. Schelske, K.R. Laird, and P.R. Leavitt. 2008. "Exploitation and destabilization of a warm, freshwater ecosystem through engineered hydrological change." *Ecological Applications* 18:1591-1603.
47. Chumchal, M.M., R.W. Drenner, B. Fry, K.D. Hambright, and L.W. Newland. 2008. "Habitat-specific differences in mercury concentrations in a top predator from a shallow lake." *Transactions of the American Fisheries Society* 137:195-208.
46. Hambright, K.D., N.G. Hairston, W.R. Schaffner, and R.W. Howarth. 2007. "Grazer control of nitrogen fixation: synergisms in the feeding ecology of two freshwater crustaceans." *Fundamental and Applied Limnology* 170:89-101.
45. Hambright, K.D., N. G. Hairston, W. R. Schaffner, and R. W. Howarth. 2007. "Grazer control of nitrogen fixation: phytoplankton taxonomic composition and ecosystem functioning." *Fundamental and Applied Limnology* 170:103-124.
44. Hambright, K.D., T. Zohary, and H. Güde. 2007. "Microzooplankton dominate carbon flow and nutrient cycling in a warm subtropical freshwater lake." *Limnology and Oceanography* 52:1018-1025.
43. Roelke, D.L., T. Zohary, and K.D. Hambright. 2007. "Alternate states in the phytoplankton of Lake Kinneret, Israel (Sea of Galilee)." *Freshwater Biology* 52: 399-411.
42. Parparov, A.R. and K.D. Hambright. 2007. "Composite water quality: evaluation and management feedbacks." *Water Quality Research Journal of Canada* 42: 20-25.
41. Parparov, A., K.D. Hambright, L. Håkanson, and A. Ostapenya. 2006. "Water quality quantification: basics and implementation." *Hydrobiologia* 560:227-237.
40. Bruce, L.C., D. Hamilton, J. Imberger, G. Gal, M. Gophen, T. Zohary, and K.D. Hambright. 2006. "A numerical simulation of the role of zooplankton in C, N and P cycling in Lake Kinneret, Israel." *Ecological Modelling* 193: 412-436.
39. Hambright, K.D., F.J. Ragep, and J. Ginat. (2006). "Water – A Conduit for Peace." pages 1-10, in Hambright, K.D., F.J. Ragep, and J. Ginat (eds.), *Water in the Middle East: Cooperation and Technical Solutions in the Jordan Valley*, Sussex Academic Press, Brighton, U.K.
38. Hambright, K.D. and T. Zohary. 2006. "Lake Kinneret and water supply in Israel: ecological limits to operational supply." pages 111-126, in Hambright, K.D., F.J. Ragep, and J. Ginat (eds.), *Water in the Middle East: Cooperation and Technical Solutions in the Jordan Valley*, Sussex Academic Press, Brighton, U.K.
37. Hambright, K.D., W. Eckert, P.R. Leavitt, and C.L. Schelske. 2004. "Effects of historical lake level and land use on sediment and phosphorus accumulation rates in Lake Kinneret." *Environmental Science and Technology* 38: 6460-6467.
36. Håkanson, L., A. Ostapenya, A. Parparov, K.D. Hambright, and V.V. Boulion. 2003. "Management criteria for lake ecosystems applied to case studies of changes in nutrient loading and climate change." *Lakes and Reservoirs: Research and Management* 8: 141-155.
35. Blumenshine, S.C. and K.D. Hambright. 2003. "Top-down control in Lake Kinneret: a role for invertebrate predation." *Hydrobiologia* 491: 347-356.
34. Eckert, W., K.D. Hambright, Y. Z. Yacobi, I. Ostrovsky, and A. Sukenik. 2002. "Internal wave induced changes in the chemical stratification in relation to the thermal structure in Lake Kinneret." *Verhandlungen Internationale Vereinigung für Theoretische und Angewandte Limnologie* 28: 962-966.
33. Drenner, R. and K.D. Hambright. 2002. "Piscivores, trophic cascades, and lake management." *TheScientificWorld Journal* 2: 284-307.

32. Hambright, K.D. and W. Eckert. 2002. "Sediment-water phosphorus dynamics in newly created Lake Agmon (Agmon-Hula wetlands), Israel." *Verhandlungen Internationale Vereinigung für Theoretische und Angewandte Limnologie* 27: 4001-4004.
31. Hambright, K.D., S.C. Blumenshine, and J. Shapiro. 2002. "Can filter-feeding fishes improve water quality in lakes?" *Freshwater Biology* 47:1173-1182.
30. Hambright, K.D., T. Zohary, J. Easton, B. Azoulay, and T. Fishbein. 2001. "Effects of zooplankton grazing and nutrients on the bloom-forming, N₂-fixing cyanobacterium *Aphanizomenon* in Lake Kinneret." *Journal of Plankton Research* 23: 165-174.
29. Hambright, K.D., A.R. Parparov, and T. Berman. 2000. "Indices of water quality for sustainable management and conservation of an arid region lake, Lake Kinneret (Sea of Galilee), Israel." *Aquatic Conservation: Marine and Freshwater Ecosystems* 10: 393-406.
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25. Hambright, K.D. and T. Zohary. 1999. "The Hula Valley (Northern Israel) wetland rehabilitation project." Streever, W. (ed.), *An International Perspective on Wetland Rehabilitation*. Kluwer Academic Press. 173-180. **(invited)**
24. Hambright, K.D., I. Bar-Ilan, and W. Eckert. 1998. "General water chemistry and quality in a newly-created subtropical lake." *Wetlands Ecology and Management* 6: 121-132.
23. Hambright, K.D. and T. Zohary. 1998. "Lakes Hula and Agmon: destruction and creation of wetland ecosystems in northern Israel." *Wetlands Ecology and Management* 6: 83-89.
22. Zohary, T., U. Pollinger, O. Hadas, and K.D. Hambright. 1998. "Bloom dynamics and sedimentation of *Peridinium gatunense* in Lake Kinneret." *Limnology and Oceanography* 43: 175-186.
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