

KAREN M. ALOFS

CURRICULUM VITAE

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PROFESSIONAL APPOINTMENTS

- 2018- **Assistant Professor**, School for Environment and Sustainability and Program in the Environment, University of Michigan
2016-2017 **Research Associate**, Dept of Ecology and Evolutionary Biology, University of Toronto
2010-2016 **Postdoctoral Researcher**, Dept of Ecology and Evolutionary Biology, University of Toronto

AFFILIATIONS

- 2020- **Affiliate Faculty**, University of Michigan Museum of Zoology (UMMZ) and Department of Ecology and Evolutionary Biology (EEB)
2020- **Affiliate Faculty**, Michigan Institute for Data Science (MIDAS)
2019-2024 **Research Associate**, Ichthyology Section of the Department of Natural History, Royal Ontario Museum
2015-2019 **Departmental Associate**, Ichthyology Section of the Department of Natural History, Royal Ontario Museum
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EDUCATION

- 2010 **PhD**, Ecology, Evolution and Behavior, University of Texas at Austin
2002 **BA**, Biology with Honors, specializing in Ecology and Evolution, University of Chicago
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SELECTED GRANTS

- 2020-2021 “CHANGES: Collections, Heterogeneous data, and Next Generation Ecological Studies” Michigan Institute for Data Science (MIDAS) Propelling Original Data Science (PODS) Grant (US \$90,000) in collaboration with H. López-Fernández and A. Thomer)
2019 Conservation and Restoration Theme Funding, University of Michigan, School for Environment and Sustainability, (US \$20,000; in collaboration with H. López-Fernández and A. Cotel)
2019-2020 “The critical role of women in shifting local Guyanese communities from artisanal mining to conservation” University of Michigan Institute for Research on Women & Gender MCubed Research Incentives award (US \$7,000; in collaboration with H. López-Fernández and A. Cotel)
2018-2020 “Impacts of gold mining related habitat destruction on a highly endemic Tropical freshwater fish fauna” University of Michigan M-Cubed (US \$60,000; in collaboration with H. López-Fernández and A. Cotel)
2018-2019 Instructional Development Fund, University of Michigan Center for Research on Learning and Teaching, 2018 (US \$500)
2007-2010 Doctoral Dissertation Improvement Grant, National Science Foundation, (US \$11,998)

FELLOWSHIPS AND AWARDS

- 2020 Michigan Sustainability Cases, Gala Impact Case Award
2020 Nomination for SEAS Student Government Outstanding Teaching Award, University of Michigan

- 2020 Nomination for Provost's Teaching Innovation Prize (TIP) for Partnering with Practitioners for Curricular Innovation, University of Michigan
- 2019 Course Development Award, University of Michigan Transforming Learning Program (US \$500)
- 2011-2013 International Research Fellowship, National Science Foundation, (US \$98,500)
- 2008 Strategic Environmental Research and Development Program Student Travel Award, Annual Meeting of the Ecological Society of America, (US \$500)
- 2007 Ariel Appleton Fellowship, Research Ranch Foundation, (US \$2000)
- 2006-2009 Graduate Research Fellowship, National Science Foundation, (US \$121,500 total: US \$30,000 stipend and US \$10,500 education allowance, per year for 3 years)

University of Texas at Austin: Houston Livestock Show and Rodeo Fellowship, 2010 (US \$570); Bennett Fellowship, 2008 (US \$7,631); Hartman Graduate Fellowship, 2007 (US \$1,140); Bruton Fellowship, 2006, 2007 and 2008 (US \$1000 each year); Bennett Fellowship, 2006 (US \$700); Frank and Fern Blair Scholarship, 2005 (US \$420)

University of Chicago: Sigma Xi Award for Excellence in Science, 2002; Richter Fund Grant, 2001 (US \$1,000); Howard Hughes Medical Institute Summer Research Fellowship, 2001 (US \$4,000)

PUBLICATIONS

PEER-REVIEWED

Loewen CJG, Jackson DA, Chu C, **Alofs KM**, Hansen, GJA, Honsey AE, Minns CK and Wehrly KE. *In Review*. Bioregions are predominantly climatic for fishes of northern inland lakes. *Global Ecology and Biogeography*.

Alofs, KM. 2019. Landscape approaches to understanding invasions in inland lakes: Rainbow Smelt (*Osmerus mordax*) as a case study. Book Chapter in *Advances in Understanding Landscape Influences on Freshwater Habitats and Biological Assemblages*. RM Hughes, DM. Infante, L Wang, K Chen, BF Terra (eds). Symposium 90. American Fisheries Society, Bethesda MD.

Lamothe KA, **Alofs KM**, and C Chu. 2019. Evaluating functional diversity conservation for freshwater fishes resulting from terrestrial protected areas. *Freshwater Biology*. 64: 2057-2070. DOI: 10.1111/fwb.13395

Lamothe KA, **Alofs KM**, Jackson DA, and KM Somers. 2018. Functional diversity and redundancy of freshwater fish communities across biogeographic and environmental gradients. *Diversity & Distributions*. 24: 1612-1626. DOI: doi.org/10.1111/ddi.12812

Alofs KM. 2016. The influence of variability in species trait data on community level ecological prediction and inference. *Ecology and Evolution*. 6: 6345–6353. DOI: 10.1002/ece3.2385

Alofs KM and DA Jackson. 2015. The vulnerability of species to range expansions by predators can be predicted using historical species associations and body size. *Proceedings of the Royal Society B* 282: 20151211. DOI: 10.1098/rspb.2015.1211

Alofs KM and DA Jackson. 2015. The role of abiotic and biotic factors in the establishment of predatory fishes at their expanding northern range boundaries in Ontario, Canada. *Global Change Biology* 21: 2227-2237. DOI: 10.1111/gcb.12853

Melles SJ, Chu C, **Alofs KM** and DA Jackson. 2015. Potential spread of Great Lakes fishes given climate change and proposed dams; an approach using circuit theory to evaluate invasion risk. *Landscape Ecology* 30: 919-935. DOI: 10.1007/s10980-014-0114-z

- Alofs KM** and DA Jackson. 2014. Meta-analysis suggests biotic resistance in freshwater environments is driven by consumption rather than competition. *Ecology* 95: 3259-3270. DOI: 10.1890/14-0060.1
- Alofs KM**, González A and NL Fowler. 2014. Local native plant diversity responds to habitat loss and fragmentation over different time spans and spatial scales. *Plant Ecology* 215: 1139-1151. DOI: 10.1007/s11258-014-0372-5
- Alofs KM**, Jackson DA and N Lester. 2014. Ontario freshwater fish demonstrate differing range-boundary shifts in a warming climate. *Diversity and Distributions* 20: 123-136. DOI: 10.1111/ddi.12130
- Alofs KM**, Liverpool EA, Taphorn DC, Bernard CR and H López-Fernández. 2014. Mind the (information) gap: the importance of exploration and discovery for assessing conservation priorities for freshwater fish. *Diversity and Distributions* 20: 107-113. DOI: 10.1111/ddi.12127
- Alofs KM** and NL Fowler. 2013. Loss of native herbaceous species due to woody plant encroachment facilitates the establishment of an invasive grass. *Ecology* 94: 751-760. DOI: 10.1890/12-0732.1
- Winterbottom R, **Alofs KM** and A Marseu. 2011. Life span, growth and mortality in the western Pacific goby *Trimma benjamini*, and comparisons with *T. nasa*. *Environmental Biology of Fishes* 91: 295-301. DOI: 10.1007/s10641-011-9782-6
- Scott CE, **Alofs KM** and BA Edwards. 2011. Putting dark diversity in the spotlight. *Trends in Ecology and Evolution* 26: 263-264. DOI: 10.1016/j.tree.2011.03.008
- Alofs KM** and NL Fowler. 2010. Habitat fragmentation caused by woody plant encroachment inhibits the spread of an invasive grass. *Journal of Applied Ecology* 47: 338-347. DOI: 10.1111/j.1365-2664.2010.01785.x
- Alofs KM** and KM Polivka. 2004. Microhabitat-scale influences of resources and refuge on habitat selection by an estuarine opportunist fish. *Marine Ecology Progress Series* 271: 297-306. DOI: 10.3354/meps271297

OTHER PUBLICATIONS

- Alofs KM**, Siciliano P, Lisuk J and K Johnson-Lane. 2020. Great Lakes Invasive Species Control. *Michigan Sustainability Cases*. <https://www.learnkala.com/cases/great-lakes-invasive-species>
- Alofs KM** and Siciliano P. 2020. Great Lakes Nutrient Management. *Michigan Sustainability Cases*. <https://www.learnkala.com/cases/great-lakes-watershed-management>
- Seelbach P, Hobrla R, Lisuk J, Siciliano P, K Johnson-Lane and **Alofs KM**. 2020. Great Lakes Areas of Concern. *Michigan Sustainability Cases*. <https://www.learnkala.com/cases/areas-of-concern>
- Alofs KM**. 2021. Lake Levels Controls. *Michigan Sustainability Cases*. <https://www.learnkala.com/cases/lake-level-controls>
- Alofs KM**. 2021. Treaty Rights and Fisheries Management. *Michigan Sustainability Cases*. <https://www.learnkala.com/cases/treaty-fishing>
- Jackson S, Baker E, Craven D, Roseman E and **Alofs KM**. 2021. Restoring the Living Fossils of the Great Lakes. *Michigan Sustainability Cases*. <https://www.learnkala.com/cases/restoring-sturgeon>

PRESENTATIONS

INVITED TALKS & SEMINARS

- 2021 American Fisheries Society, Baltimore, MD *Abstract submitted, scheduled Nov 2021*
2020 Department of Biological Sciences, University of North Texas, Denton, TX -*Virtual due to COVID-19*
2019 Galaxy, University of Michigan, Ann Arbor, MI
2018 [Food for Thought](#), University of Michigan, Ann Arbor, MI
2018 American Fisheries Society, Atlantic City, NJ
2018 Society for Freshwater Science Annual Meeting, Detroit, MI
2017 Annual Meeting of the Ecological Society of America, Portland, OR
2017 Society for Freshwater Science Annual Meeting, Raleigh, NC
2016 Dept of Biological Sciences, University of Pittsburgh, Pittsburgh, PA
2016 Dept of Natural Resources, Cornell University, Ithaca, NY
2016 School of Natural Resources and Environment, University of Michigan, Ann Arbor, MI
2016 Environment Canada and Fisheries and Oceans Canada, Burlington, ON
2016 Dept of Ecology and Evolutionary Biology, U Tennessee Knoxville, Knoxville, TN
2015 Dept of Integrative Biology, University of Guelph, Guelph, ON
2014 'ROM Ideas' Research Colloquium, Royal Ontario Museum, Toronto, ON
2014 Life Sciences Seminar Series, Trent U, Peterborough, ON
2013 Dept of Ecology and Evolutionary Biology, U Toronto, Toronto, ON
2012 Wildlife Conservation Society Climate Change Adaptation Workshop, Peterborough, ON
2011 Diagnostic Tools for Inland Lakes Workshop, Ministry of Natural Resources, Peterborough, ON
2008 Mini-Symposium: Research at the Balcones Canyonlands National Wildlife Refuge, U Texas Austin, Austin, TX

CONTRIBUTED TALKS

- 2021 IAGLR Conference on Great Lakes Research-*Virtual due to COVID-19*
2020 Doris Duke Conservation Scholars Program, University of Michigan, Ann Arbor, MI -*Virtual due to COVID-19*
2020 MIDAS-PODS Launch Meeting, University of Michigan, Ann Arbor, MI
2020 Conservation Ecology Lightning Talks, University of Michigan, Ann Arbor, MI
2019 [Conservation and Restoration Theme Lightning Talks](#), U Michigan, Ann Arbor, MI
2016 Joint Meeting of Ichthyologists and Herpetologists, New Orleans, LA
2015 Annual Meeting of the Ecological Society of America, Baltimore, MD
2015 Canadian Conference for Fisheries Research, Ottawa, ON
2014 Joint Aquatic Sciences Meeting, Portland, OR
2013 Joint Meeting of Ichthyologists and Herpetologists, Albuquerque, NM
2013 Canadian Conference for Fisheries Research, Windsor, ON
2012 American Fisheries Society, St. Paul, MN
2012 'Impacts of Climate Change on Limnetic Biodiversity and Fisheries in Ontario and Quebec' Strategic Grant Workshop, Toronto, ON
2011 Annual Meeting of the Ecological Society of America, Austin, TX
2011 Canadian Conference for Fisheries Research, Toronto, ON
2010 Dept of Ecology and Evolutionary Biology, U Toronto, Toronto, ON
2010 Annual Meeting of the Ecological Society of America, Pittsburgh, PA
2010 Dept of Ecology, Evolution and Behavior, U Texas Austin, Austin, TX
2009 Annual Meeting of the Ecological Society of America, Albuquerque, NM
2009 Annual Meeting Southwestern Association of Naturalists, Monterrey, México
2008 Annual Meeting of the Ecological Society of America, Milwaukee, WI
2007 Central Texas Ecologists/Earth Scientists Meeting, USDA-ARS, Temple, TX
2007 Texas Invasive Plant Conference, LBJ Wildflower Center, Austin, TX
2007 Ecolunch, U Texas Austin, Austin, TX
2007 Annual Meeting of the Ecological Society of America, San Jose, CA
2007 Texas A&M Univ Ecological Integration Student Symposium, College Station, TX
2006 3rd Annual EEB/Plant Bio Grad Student Symposium, U Texas Austin, Austin, TX

TEACHING EXPERIENCE

At U Michigan

COURSES TAUGHT

- 2020- 2021 EAS 507 *Interpreting Research in Conservation Ecology*
2019, 2020 EAS 501.025 *Science and Management of the Great Lakes* (co-taught with Dr. Paul Seelbach and Dr. Jennifer Read)
2018- 2021 EAS 409/ENV 409/EEB 447 *Ecology of Fishes*
2019 ENVIRON 463 *Michigan Fishes in Changing Environments* (co-taught at UM BioStation with Dr. Hernán López-Fernández)

GUEST LECTURES

- 2018- 2020 ENVIRON 427 *Biology of Fishes*, fall semesters
2019 EEB 410 *EEB Capstone Seminar*, winter semester
2019 EAS 741 *Research Paradigms*, winter semester

UNDERGRADUATE STUDENTS MENTORED

- 2019-2020 Kartik Tharwani (UROP, Cellular and Molecular Biomedical Science), fall/winter semesters
2019 Maria Gedris (MIDAS-UROP Scholar, Ecology and Evolutionary Biology), summer semester
2019-2020 Calla Beers (Lab assistant, Program in the Environment), fall/winter semesters
2019-2020 Cameron Leitz (Honors Thesis, Program in the Environment), fall/winter semesters, *thesis awarded highest honors*
2019 Syed Hussain (Doris Duke Conservation Scholar), summer semester
2019 Ryan Dapkus (Doris Duke Conservation Scholar), summer semester
2018-2019 Hannah Miller (Lab assistant, Ecology and Evolutionary Biology and Program in the Environment)
2018 Erika Perez (Doris Duke Conservation Scholar), summer semester
2018-2019 Michael Hostetler (Lab assistant and Independent Study, Ecology and Evolutionary Biology)
2018-2019 Maxwell LaCosse (Lab assistant, Civil and Environmental Engineering)
2018 Olivia Horwedel (Lab assistant, Program in the Environment), winter semester

GRADUATE STUDENTS MENTORED

MSc Advisees

- 2020- Megan Livingston (MSc Student)
2020- Hadijah ‘Dede’ Lawal (MSc Student)
2020- Alyssa Rausch (MSc Student)
2020- Hannah DeHetre (MSc Student)
2020- Lee Largaespada (MSc Student)
2020- Nicholas Hansen (MSc Student)
2020- Justin Huber (MSc Student)
2019 Michael Hostetler (MSc Student)
2019-2021 Emily Rau (MSc Student)
2018-2020 Seamus Harrison (MSc Student)
2018-2020 Sarah Brannon (MSc Student)
2018-2020 Matthew Sens (MSc Student)

MSc Thesis Students

- 2020- Cameron Leitz (MSc Thesis Student)
2020- Michael Grabda (MSc Thesis Student)
2019-2021 Ellary Marano (MSc Student, Co-Supervisor Dr. David “Bo” Bunnell, USGS-GLSC)
2018-2021 Jennifer Fuller (MSc Thesis Student, Co-Supervisor Dr. Johannes Foufopoulos)

- 2018-2020 Natalie Madden (MSc Thesis Student, Co-Supervisor with Dr. Neil Carter)
2017-2019 Sara Prendergast (MSc Thesis Student, Co-Supervisor with Dr. Mark Rowe, NOAA-GLERL)

PhD Students

- 2019- Scott Jackson (PhD Candidate), “Intraspecific Variation Sources and Implications for Fishes in a Changing Environment”.

MASTERS PROJECTS MENTORED

- 2019-2020 “Planning and implementing monitoring during hydrologic restoration of the Shiawassee Flats floodplain ecosystem” Client: US Fish and Wildlife Service and Shiawassee National Wildlife Refuge; Students: Eliza Lugten, Kate Vogel, Matthew Puz, Matthew Sens, Olivia Mitchinson; Co-advised with Drs. Paul Seelbach and Catherine Riseng
2020-2021 “Capturing and communicating the story of Shiawassee National Wildlife Refuge” Client: US Fish and Wildlife Service and Shiawassee National Wildlife Refuge; Students: Julie Dellick, Jon Gorter, Anna Greenberg, Xinmiao Liu, and Maria Salem; Co-advised with Dr. Paul Seelbach

POSTDOCTORAL RESEARCHERS MENTORED

- 2021- Dr. Katelyn King, CHANGES Project, Co-mentored with Drs. López-Fernández and Thomer
2021- Dr. Viviana Astudillo, EEB Postdoc, Co-mentored with Drs. López-Fernández and Cotel
2020- Dr. Andrew Miller, CIGLR Shoreline Restoration, Co-mentored with Dr. Bradley Cardinale
2019- Dr. Kelsey Lucas, NSF Postdoctoral Fellow in Biology

COMMITTEE MEMBER

- 2021- Mingyu Zhang (MSc Student, SEAS, Committee Member)
2020- Kaylin Jones (PhD Student, Civil and Environmental Engineering, Committee Member)
2020- Samantha Iliff (PhD Student, Ecology and Evolutionary Biology, Committee Member)
2019- Thomas Morgan (PhD Student, Ecology and Evolutionary Biology, Committee Member)
2019- Susanna Campbell (PhD Candidate, Ecology and Evolutionary Biology, Committee Member)
2019- Lais Petri (PhD Candidate SEAS, Committee Member)
2018-2020 Sasha Bishop (PhD Candidate, Ecology and Evolutionary Biology, Committee Member)
2018-2020 Katherine McLean (PhD Candidate, Ecology and Evolutionary Biology, Committee Member)
2018-2019 Kenzo Esquivel (Frontiers MSc Student, Ecology and Evolutionary Biology, Committee Member)

TRAINING

- 2021 “Principles and Practices of Anti-Racist Pedagogy” CRLT Workshop, University of Michigan
2020 “Designing and Facilitating Group Work for Blended/Online Courses” CRLT Workshop, University of Michigan.
2019 “Workshop on Graduate Admissions for Excellence and Diversity”, Rackham Graduate School, University of Michigan
2018 “STRIDE Faculty Recruitment Workshop”. University of Michigan
2018 “Teaching Gamefully” CRLT Workshop, University of Michigan
2018 “An Introduction to Case-Based Learning in the Classroom and Beyond” Michigan Sustainability Cases, University of Michigan
2018 “Facilitating Discussions of Research Literature in STEM Courses” CRLT Workshop, University of Michigan

2018 “Leveraging Student Differences in Discussion” Workshop by Center for Research on Learning and Teaching (CRLT), University of Michigan

Outside U Michigan

LECTURER

2011- 2013 Course Instructor, *Community Ecology*, U Toronto, 3 fall semesters (co-taught with Dr. Megan Frederickson)

2006 Guest Lecturer, *Conservation Biology*, U Texas Austin, spring semester

TEACHING ASSISTANT

2005-2006 Teaching Assistant, *Human Biology*, U Texas Austin, fall and spring semesters

2005 Teaching Assistant, *Biostatistics*, U Texas Austin, spring semester

2004-2005 Teaching Assistant, *Genetics*, U Texas Austin, fall and summer semesters

2003 Graduate Student Instructor, *Natural History and Evolution*, U Michigan Biological Station, summer semester

STUDENT MENTORING

2021 Anjani Ramdjanamsingh (MSc Student, University of Suriname, Programme in Sustainable Management of Natural Resources, Co-supervisor with Dr. Jan Mol, ‘The effect of increased sedimentation from gold mining on the water quality of the Marowijne River, Suriname’)

2016-2017 Dana Berg (undergraduate research student EEB 498, U Toronto), *awarded best Ecology & Behavioral Ecology Poster in Undergraduate Research Fair*

2016-2017 Lucy Genua (postgraduate research assistant, U Toronto)

2016 Julia Bassi (NSERC Undergraduate Student Research Award, U Toronto)

2015-2016 Dana Berg (undergraduate work-study, U Toronto)

2015 Zoe Gozum (postgraduate lab assistant, U Toronto)

2014- 2017 Krisna Gajapersad (MSc Student, University of Suriname, Programme in Sustainable Management of Natural Resources, Co-supervisor with Dr. Jan Mol, ‘The effect of gold mining activities on the biological characteristics of the Marowijne River in Suriname’)

2014-2015 Stephanie Blain (undergraduate work-study, U Toronto)

2013 Charise Currier (undergraduate research assistant, U Toronto)

2007 Johnathan Rose (undergraduate lab assistant, U Texas Austin)

2007 Scott Meadows (undergraduate research student, BIO 377, U Texas Austin)

2007 Gabriela Casares (undergraduate summer field assistant, U Texas Austin)

2007 Linda Aguilar (undergraduate summer field assistant, U Texas Austin)

ADDITIONAL RESEARCH & FIELD EXPERIENCE

2019 Research Expedition to Upper Mazaruni River, Guyana

2017 Ichthyology Expedition with Royal Ontario Museum across Uruguay

2014 Ichthyology Expedition with Royal Ontario Museum to five river basins across Suriname

2005-2010 Field work in Central Texas Hill Country including Pedernales Falls State Park, Balcones Canyonlands National Wildlife Refuge, Freeman Ranch.

2009 Graduate Research Assistant, Rare plant habitat requirements, U Texas Austin

2004 Student Conservation Association Intern, Rare and invasive plant management, Chattahoochee River National Recreation Area

2003 Field Research Assistant, Evolutionary ecology of crop and weed plants, U Michigan Biological Station/Ohio State U

2003 Student Conservation Association Intern, Rare plant monitoring, Great Smoky Mountains National Park

2000-2001 Field Research Assistant, Population biology of estuarine fish, Big Beef Creek, WA/U Chicago

PROFESSIONAL AFFILIATIONS AND SERVICE

COMMITTEE MEMBERSHIP

At U Michigan

2021 CIGLR Director Search Committee, SEAS, U Michigan
2020 COVID-19 Response Team, SEAS, U Michigan
2019, 2020 Graduate Admission Committee, SEAS, U Michigan
2018 Hydrologist Faculty Search Committee, SEAS representative, U Michigan.

Outside U Michigan

2021- Great Lakes [Coregenine Restoration Program](#) Science Team (Co-lead Habitat and Population Gap Analysis Team with Dr. Cory Brant, USGS-GLSC)
2019- State of Michigan Fish Technical Advisory Committee for Species of Greatest Conservation Need

SOCIETY MEMBERSHIP

Ecological Society of America (*member since 2005, student section officer in 2009*), Society for Freshwater Science, American Fisheries Society, InFish

JOURNAL REFEREEING

Biological Conservation, Biological Invasions, Canadian Journal of Fisheries and Aquatic Sciences, Canadian Journal of Zoology, Diversity and Distributions, Ecography, Ecological Applications, Ecology, Ecology and Evolution, Ecology of Freshwater Fishes, Ecological Research, Écoscience, Ecosphere, Freshwater Biology, Global Change Biology, Invasive Plant Science and Management, Neotropical Ichthyology, Oecologia, Oikos, Plant Ecology, Proceedings of the Royal Society B, Nature Scientific Data

GRANT REFEREEING

Ad Hoc Reviewer U.S. National Science Foundation, Panelist U.S. National Science Foundation BIO Advisory, NERC Highlight Topics, NSERC Discovery Grants, MITACS Elevate Fellowships, MITACS Accelerate Research Grants, Sam Houston State University Internal Grants, U-M International Institute Fellowships, United States Fish and Wildlife Service Great Lakes Fish and Wildlife Restoration Act funding

OUTREACH

2021 Presentation for City Nature Challenge Kick-off, U-M Museum of Natural History, *Virtual due to COVID-19*
2021 Zooniverse – crowd-sourced citizen-science project; [Angling for data on Michigan Fishes](#) (>1000 volunteers engaged)
2020 Presentation for NJAS: New Jersey Aquarium Society, *Virtual due to COVID-19*
2020 Engaging Students Remotely with Gala, Presentation and YouTube [Playlist](#)
2020 [William R. Farrand Memorial Lecture](#), U-M Museum of Natural History, Lake Sturgeon: Past, present, and future of an ancient fish
2019 Two presentations at North East Council of Aquarium Societies, Cromwell, CT
2018, 2020 Panelist for Environmental Science Professionalism Seminar, U Texas at Austin
2017 Big Trout Bay Intensive Science BioBlitz, Ontario BioBlitz
2015 Research feature in ‘Hands on Biodiversity’ public exhibit at Royal Ontario Museum

- 2014 Research feature in ‘That’s a LOT of Fish! 100 years of collecting’ public exhibit at Royal Ontario Museum
- 2013, 2015 Volunteer Naturalist, Ontario BioBlitz
- 2008 Meeting Mentor, Strategies for Ecological Education, Development and Sustainability (SEEDS) Annual Meeting of the Ecological Society of America, Milwaukee, WI
- 2005 Meeting Mentor, National Science Foundation Undergraduate Mentoring in Environmental Biology (UMEB) Program, Annual Meeting of the Botanical Society of America, Austin, TX
- 2001-2002 Volunteer Instructor, GAIA (High School Environmental Education), U Chicago

POPULAR WRITING

Alofs KM. 2013. Fish on the Move – The ROM is playing a crucial role in assessing the effect of climate change on Ontario’s ecosystems. *Royal Ontario Museum Magazine* Winter 2013.

MEDIA COVERAGE & RESEARCH FEATURES

Web and Print – [Vice](#), [Detroit Free Press](#), U of T News, Fishsens Magazine, [Climate News Network](#), Tak Fur the Kaffe, Science World Report, [Phys.org](#), TerraDaily, [ScienceDaily](#), The Fish Site, [tvo.org](#), ABC Newspapers, [Great Lakes Echo](#), Stabroek News, CBC International

Radio and Television – [NPR Science Friday](#), Stateside on Michigan Radio, CBC Toronto, Here and Now; CBC Halifax, Mainstreet; CBC Calgary, Homestretch; CBC Montreal, Home Run; CBC Saskatchewan, Afternoon Edition; CBC New Brunswick, Shift; CBC St. Johns, On the Go; CBC Vancouver, On the Coast; CBC Sudbury/Thunder Bay, Up North; CBC Winnipeg, Up to Speed; CBC Edmonton, Radio Active; CBC Ottawa, All in Day; CBC International; [CTV News Toronto](#)