

Daniele de Almeida Miranda

Curriculum Vitae

Position: Research Assistant Professor

Affiliation: Department of Biological Sciences

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Research Interest

Aquatic ecology; ecotoxicology; ecotoxicology of emerging contaminants; marine biology; organic contaminants fate and transformation, fisheries ecology; watershed ecology; bioaccumulation and biomagnification of contaminants in aquatic food webs; global change biology; PFAS; Persistent Organic Pollutants

A. Education and Employment

University	Location	Major	Degree & Year
Catholic University of Salvador	Bahia, Brazil	Biology	B.S., 2011
Federal University of Pernambuco	Pernambuco, Brazil	Oceanography	M.Sc., 2015
Federal University of Bahia	Bahia, Brazil	Ecology	Ph.D., 2021
University of Notre Dame	Notre Dame, IN	Env. Change Initiative/Physics	Post-doctoral, 2021-2023

B. Appointments

Research Assistant Professor	Departments of Biological Sciences. University of Notre Dame, US. 2023 – Present.
Postdoctoral Fellow	Departments of Biological Sciences and Physics and Astronomy. University of Notre Dame, US. 2021 –2023.
Ph.D. Student Researcher	Division of Ecology (sub-area: Ecotoxicology and Biomonitoring), Federal University of Bahia, Brazil. 2017 –2021.
Guest Ph.D. Student	Department of Analytical Chemistry and Environmental Sciences, Stockholm University, Sweden. 2018 –2019.
Master Student Researcher	Division of Oceanography (sub-area: Chemical Oceanography), Federal University of Pernambuco, Brazil. 2013 –2015.
Laboratory Technician	Division of Oceanography (sub-area: Chemical Oceanography), Federal University of Pernambuco, Brazil. 2012 –2013.

C. Professional Development

- 2024 Kaneb Center, University of Notre Dame, Striving for Excellence in Teaching Certificate
 2025 The Graduate School, University of Notre Dame, Effective Mentoring: Maintaining Effective Communication Workshop (In progress)

D. Publications (*advised graduate student; #advised undergraduate student; +other student)

Submitted

1. Leonel, J., +Matos, A., **Miranda, D. A.**, +Lima, T., "Polychlorinated biphenyl and chlorinated pesticide concentrations in marine mammals from Brazilian waters: a review" in review in *Regional Studies in Marine Science*.
2. #Martin, P. O. L., +Zachritz, A., M., +Adey, A. K., Klepinger, S., Conard, W. M., Lamberti, G. A., **Miranda, D. A.**, "Spatial-Temporal Patterns of Per- and Polyfluoroalkyl Substances (PFAS) in the Biota of the Laurentian Great Lakes: A Meta-Analysis". Submitted to *Science of the Total Environment*.
3. *Ferreira, F. A. G., Zanato, G., **Miranda, D. A.**, Leonel, J. "Persistent organic pollutants (POPs) in edible fish and bivalves from Subtropical coast: dietary exposure and health risk assessment". In review in *Marine Pollution Bulletin*. [Preprint](#).

Published

4. Hoskins, T., Foley, C., Hoverman, J., Kohli, A., Lee, L. S., **Miranda, D. A.**, Peaslee, G.; Sepúlveda, M.; Venier, M., Xia, C., Zack, S., Zhou, Z., Dahmen, L., 2025. "Indiana Statewide PFAS Assessment". *Institute for a Sustainable Future Documents*. doi.org/10.5703/1288284317856
5. Noyes, P. D., **Miranda, D. A.**, Guida, Y., Oliveira, G., Perfetti-Bolaño, A., Torres, F. B. M., Torres, J. P. M. T., Miglioranza, K. S. B., Hatje, V., Barra, R. O. 2025. Climate change and persistent organic pollutants in the marine environment: a systematic review of multiple stressors. *Nature Communications Earth & Environment Journal*. doi.org/10.1038/s43247-025-02348-4
6. +Zachritz, A., M., Steevens, J. A., **Miranda, D. A.**, Perrotta, B. G., Dorman, R. A., Whitehead, H. D., Pulster, E. L., Walters, D. M., Soucek, D. J., Peaslee, G. F., Lamberti, G. A., 2025. Concentration dependency of PFAS bioaccumulation by freshwater benthic algae. *Environmental Science and Technology*. doi.org/10.1021/acsestwater.5c00048
7. **Miranda, D.A.**, Abessa, D.M.S., Moreira, L.B., Maranhão, L.A., Oliveira, L.G., Benskin, J.P., Leonel, J., 2024. Spatial and temporal distribution of perfluoroalkyl substances (PFAS) detected after an aqueous film forming foam (AFFF) spill. *Mar. Pollut. Bull.* 204, 116561. doi.org/10.1016/j.marpolbul.2024.116561
8. **Miranda, D.A.**, +Zachritz, A.M., +Whitehead, H.D., Cressman, S.R., Peaslee, G.F., Lamberti, G.A., 2023. Occurrence and biomagnification of perfluoroalkyl substances (PFAS) in Lake Michigan fishes. *Sci. Total Environ.* 895, 164903. doi.org/10.1016/j.scitotenv.2023.164903
9. Leonel, J., Nascimento, R., **Miranda, D.** 2023. Perfluorinated compounds: a threat to the clean ocean. *Quimica nova*, v. xy, p. 1-9. doi.org/10.21577/0100-4042.20230049

10. **Miranda, D. A.**, Peaslee, G. F., ⁺Zachritz, A. M., Lamberti, G. A. 2022. A worldwide evaluation of trophic magnification of per- and polyfluoroalkyl substances in aquatic ecosystems. *Integr. Environ. Assess. Manag.* 18:1500–1512. doi.org/10.1002/ieam.4579
11. **Miranda, D. A.**, Leonel, J., Benskin, J.P., Johansson, J., Hatje, V., 2021. Perfluoroalkyl Substances in the Western Tropical Atlantic Ocean. *Environ. Sci. Technol.* 55, 13749–13758. doi.org/10.1021/acs.est.1c01794
12. **Miranda, D. A.**; Benskin, J. P.; Awad, R; L, G.; Leonel, J.; Hatje, V., 2021. Bioaccumulation of Per- and polyfluoroalkyl substances (PFASs) in a tropical estuarine food web. *Science of the Total Environment.* 754, 142146. doi.org/10.1016/j.scitotenv.2020.142146.
13. Santos, L. L., **Miranda, D. A.**, Hatje, V., Albergaria-Barbosa, A. C.R., Jeonel, J. 2020. PCBs occurrence in marine bivalves and fish from Todos os Santos Bay, Bahia, Brazil. *Marine Pollution Bulletin*, v. 154, p. 111070, 2020. doi.org/10.1016/j.marpolbul.2020.111070.
14. Egres, A. G., Hatje, V., **Miranda, D. A.**, Gallucci, F., Barros, F. 2019. Functional response of tropical estuarine benthic assemblages to perturbation by Polycyclic Aromatic Hydrocarbons. *Ecological Indicators*, v. 96, p. 229-240. doi.org/10.1016/j.ecolind.2018.08.062
15. Yogui, G. T., Taniguchi, S., Silva, J., **Miranda, D. A.**, Montone, R. C. 2018. The legacy of man-made organic compounds in surface sediments of Pina Sound and Suape Estuary, northeastern Brazil. *Brazilian Journal of Oceanography* (Online), v. 66, p. 58-72. doi.org/10.1590/S1679-87592018148206601. (Invited contribution)
16. **Miranda, D. A.**, Yogui, G. T., 2016. Polychlorinated biphenyls and chlorinated pesticides in king mackerel caught off the coast of Pernambuco, northeastern Brazil: Occurrence, contaminant profile, biological parameters and human intake. *Science of the Total Environment*, v. 569-570, p. 1510-1516. doi.org/10.1016/j.scitotenv.2016.06.241
17. Carvalho-Souza, G. F., **Miranda, D. A.**, Pataro, L. 2016. Hazards in hanging gardens: A report on failures of recognition by green turtles and their conservation implications. *Marine Pollution Bulletin.*, v. 105, p. 98-101. doi.org/10.1016/j.marpolbul.2016.02.050
18. **Miranda, D. A.**, de Carvalho-Souza, G. F. 2016. Are we eating plastic-ingesting fish?. *Marine Pollution Bulletin.*, v. 103, p. 109-114. doi.org/10.1016/j.marpolbul.2015.12.035

E. Other academic works (Selected conference abstract)

- **Miranda, D. A.**, “PFAS in the Lake Michigan Watershed.” *Environmental Research Coalition*, South Bend, IN, 2025
- B. Bhatta, A. M. Zachritz, W. M. Conard, H. D. Whitehead, G. F. Peaslee, **D. A. Miranda**, and G. A. Lamberti. “PFAS Bioaccumulation and Tissue Distribution in Lake Michigan Fish”. PFAS Challenges and Solutions in the Great Lakes Basin: A Model for Freshwater Ecosystems. *MSU's Center for PFAS Research Annual Symposium*. October 2024.
- **Miranda, D. A.**, “PFAS in the Lake Michigan Watershed.” *National PFAS Conference*, Ann Arbor, MI, 2024
- Zachritz, A.M., **Miranda, D.A.**, Whitehead, H.D., Peaslee, G.F., Lamberti, G.A. “PFAS in Lake Michigan Fish: Implications for Human Dietary Intake” *Spring PFAS Workshop*, Notre Dame, IN. January 2023.
- Martin, P., Flores, J., Mohelkamp, K., Reische, T., Klepinger, S.A., Zachritz, A.M., **Miranda, D.A.**, Lamberti, G.A. “Meta-Analysis Review of Spatial and Temporal Shifts in Per- and

Polyfluoroalkyl Substances (PFAS) in the Biota of the Laurentian Great Lakes.” *Fall PFAS Workshop*, Notre Dame, IN. September 2023.

- Flores, J., Lamberti, G., **Miranda, D. A.**, Scat as an Indicator of PFAS Uptake by Common Terrestrial Mammals. *Notre Dame College of Science Joint Annual Meeting (COSE-JAM)*, Notre Dame, IN. May 2024.
- Martin, P. O., Zachritz, A., Klepinger, S., Conard, W. Lamberti, G., **Miranda, D. A.**, A Meta-Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in the Biota of the Laurentian Great Lakes, *Notre Dame College of Science Joint Annual Meeting (COSE-JAM)*, Notre Dame, IN. May 2024.
- Reisch, T., Zachritz, A., Flores, J., McMullen, A., Pruitt, A. **Miranda, D. A.**, Lamberti, G. Complex effects of perfluorooctane sulfonic acid (PFOS) on stream ecosystem function *Notre Dame College of Science Joint Annual Meeting (COSE-JAM)*, Notre Dame, IN. May 2024.
- Schaars, K., von Werder, J., Zachritz, A.M., Whitehead, H., **Miranda, D.A.**, Peaslee, G.F., Lamberti, G.A. “Ecosystem Contamination by Per- and Polyfluoroalkyl Substances (PFAS): The DDT of Our Generation.” *Notre Dame Regional PFAS Workshop*, Notre Dame, IN. September 2023.
- Schaars, K., von Werder, J., Zachritz, A.M., Whitehead, H., **Miranda, D.A.**, Peaslee, G.F., Lamberti, G.A. “Ecosystem Contamination by Per- and Polyfluoroalkyl Substances (PFAS): The DDT of Our Generation.” *Notre Dame College of Science Joint Annual Meeting (COSE-JAM)*, Notre Dame, IN. May 2023.
- **Miranda, D.A.**, PFAS in Lake Michigan Fish. Great Lakes Conference on Fisheries Management and Great Lakes Islands. *Michigan State University*, East Lansing, MI. March 7, 2023.
- **Miranda, D.A.**, Zachritz, A.M., Whitehead, H.D., Cressman, S., Klepinger, S., Peaslee, G.F. Lamberti, G.A. Biomagnification of PFAS in Lake Michigan food web. *Colleges of Science and Engineering Joint Annual Meeting (COSE-JAM)*, Notre Dame IN. December 9, 2022.
- **Miranda, D.A.**, Zachritz, A.M., Whitehead, H.D., Peaslee, G.F., Cressman, S. R., Lamberti, G.A. PFAS in Prey and Predator Fish from Lake Michigan, USA. *SETAC North America 43rd Annual Meeting*. November 2022.
- **Miranda, D.A.**, Zachritz, A.M., Whitehead, H.D., Peaslee, G.F., Cressman, S. R., Lamberti, G.A. PFAS Permeates Native and Introduced Salmonids from Lake Michigan, USA. *Joint Aquatic Sciences Meeting*, Grand Rapids, MI. May 2022.
- Zachritz, A.M, **Miranda, D.A.**, Whitehead, H.D., Peaslee, G.F., Cressman, S. R., Lamberti, G.A. PFAS in Lake Michigan (USA) Salmonids: Implications for Human Dietary Intake. *Joint Aquatic Sciences Meeting*, Grand Rapids, MI. May 2022.
- **Miranda, D.A.**, Zachritz, A.M., Conard, W.M., Tighee, M.E., Whitehead, H.D., Peaslee, G.F. Lamberti, G.A. A Survey of Sportfish for Per- and Polyfluoroalkyl Substances (PFAS) – An Emerging Contaminant in the Great Lakes. *Colleges of Science and Engineering Joint Annual Meeting (COSE-JAM)*, Notre Dame IN. December 2021.
- **Miranda, D.A.**, Peaslee, G.F., Zachritz, A.M., Lamberti, G.A. A Comparative Analyses of the Worldwide Biomagnification of Per- and Polyfluoroalkyl Substances (PFAS) by the Trophic Magnification Factor (TMF) Perspective. *SETAC North America 42nd Annual Meeting*, Portland OR. November 2021.
- **Miranda, D. A.**; Leonel, J.; Benskin, J. P.; Moreira, L. B.; Maranho, L.; Abessa, D. Spatial and Temporal Distribution of Perfluoroalkyl Substances (PFAS) Detected After an Aqueous Film-Forming Foam (AFFF) Spill. *SETAC Latin America 7th Biennial Meeting*, Santiago Chile. September 2021.

- **Miranda, D. A.;** Leonel, J.; Benskin, J.P.; Johansson, J.; Hatje, V., Perfluoroalkyl Acids (PFAAs) in the Tropical Atlantic Ocean. *PFAS in Our World: What We Know And What We Can Do*. Rhode Island NY. October 2020.
- **Miranda, D. A.;** Leonel, J.; Benskin, J.P.; Johansson, J.; Hatje, V., PFASs in a Tropical Estuarine Food Web: Trophic Magnification and Wildlife Exposure. “*Semana Kirimurê*”. Salvador Brazil. October 2020.
- **Miranda, D. A.;** Benskin, J. P.; Awad, R; L, G.; Leonel, J.; Hatje, V. PFASs in a Tropical Estuarine Food Web: Trophic Magnification and Wildlife Exposure *SETAC Europe 29th Annual Meeting*. Helsinki Finland, May 2019.
- **Miranda, D. A.;** Benskin, J. P.; Awad, R; L, G.; Leonel, J.; Hatje, V. PFOS bioaccumulation in a tropical estuary. *8th Young Environmental Scientists SETAC Meeting*. Ghent Belgium. February 2019.
- **Miranda, D. A.** What do you hope and most want from the Government to support you in a cooperation for the whole Atlantic? *Belem All-Atlantic Research Forum*. Salvador Brazil. September 2018.
- **Miranda, D. A.** Yogui, G. T. PCBs, DDTs, and chlordanes in *Scomberomorus cavalla*: risk assessment for human intake at Recife metropolitan area, Pernambuco, northeastern Brazil. *SETAC Latin America 12th Biennial Meeting*. Santos Brazil. September 2017.
- **Miranda, D. A.** Yogui, G. T. Persistent Organic Pollutents in *Scomberomorus cavalla*: risk assessment for human intake at Recife metropolitan area, Pernambuco, northeastern Brazil. *Congresso Brasileiro de Oceanografia*. Salvador Brazil. Novembro 2016.
- **Miranda, D. A.** Yogui, G. T. Polychlorinated biphenyls and DDTs contamination in fish in Brazil. *Congresso Brasileiro de Oceanografia*. Itajaí Brazil 2014.
- Maciel, D. C.; Souza, J. R. B.; Taniguchi, S.; Bicego, M. C.; Schettini, C. A. F.; Zanardi-Lamardo, E.; **Miranda, D. A.** Hydrocarbons in sediments of the Capibaribe River estuarine system (Pernambuco, Brazil) and the transfer potential to the adjacent platform. *Congresso Brasileiro de Oceanografia*. Itajaí Brazil 2014.
- **Miranda, D. A.;** Carvalho-Souza, G. F. Presence of plastic pellets in stomach contents of fish landed on the coast of Salvador, Bahia, Brazil. *Congresso Latino-Americano de Ciências do Mar – COLACMAR*. Balneário Camboriú Brazil. March 2011.
- Carvalho-Souza, G. F.; **Miranda, D. A.;** Tinoco, M. S. The sea urchin, *Lytechinus variegatus* (Lamarck, 1816) and marine litter in Todos os Santos Bay, Brazil. *Congresso Latino-Americano de Ciências do Mar – COLACMAR*. Balneário Camboriú Brazil. March 2011.
- **Miranda, D. A.;** Carvalho-Souza, G. F. Ingestion of marine litter by fauna on the coast of Bahia, Brazil: description and historical report of cases. *Congresso Latino-Americano de Ciências do Mar – COLACMAR*. Balneário Camboriú Brazil. March 2011.

F. Grants

Awarded/Recommended for funding

- Assessment of Coastal Wetlands Across the Entire Great Lakes Basin. USEPA. Role: Co-PI (PI: D. Uzarski). \$12,000,000 (\$381,120 to ND). 2025. [Recommended for Funding]
- Assessing PCBs and PFAS in fish and kalo for human consumption on O‘ahu. NIH-PIKKO. Role: Co-Pi (PI: Carmella Vizza). \$ 50,000. 2025. [Recommended for Funding].
- Uncovering the PFAS threat: Forever Chemicals and the Fight for Environmental Justice in Brazil and the United States. Partners of America/U.S. Department of State. Role: Pi. \$ 40,000. 2024.

- Microbiome Interactions with PFAS: An Invisible Risk for Wild and Farmed Fish. U.S. Geological Survey. Role: Co-PI (PI: Michael Pfrender). \$309,800. 2024.
- Tracking PFAS accumulation and transfer in Lake Michigan using molecular tools. U.S. Geological Survey. Role: Co-PI. \$278,990. 2023
- “Quantifying PFAS distribution in coastal Lake Michigan tributaries” Illinois-Indiana Sea Grant. Role: PI. \$199,519. 2023
- Occurrence of PFAS in Water and Sediment from the Indiana Coastal Zone”. Indiana Department of Natural Resources. Role: Co-PI (PI: Graham Peaslee). \$148,226. 2023
- “Trophic and tissue distribution of PFAS in native Lake Michigan fishes”. Great Lakes Fishery Trust Grant. Awarded: US Role: Co-PI (PI: Gary Lamberti). \$313,000. 2022.
- University of Notre Dame – Environmental Change Initiative Grant. “ND-PFAS Working Group. Role: PI. \$5,000. 2022.
- Coordination for the Improvement of Higher Education Personnel Grant. “PhD internship in Sweden”. Role: PI. SEK(\$) 205,790. 2018.
- Perfluoroalkylated Compounds in Tropical Estuaries: Degradation, Biomagnification, and Effects on the Benthic Community”. The Rufford Foundation Grant. Role: PI. £5,000. 2017.

Pending

- Discovering PFAS Dynamics in Flowing Water Ecosystems. U.S. Geological Survey. Role: PI. \$309,000.
- Assessing PCBs and PFAS in fish and kalo for human consumption on O‘ahu”. Renewable Natural Resources Foundation. Role: PI. \$196,983.

Not Funded

- Researching Emerging & Former Lake Ecosystem Contaminants in Fish Tissues (*REFLECT*). USEPA. Role: Co-PI (PI: Marisol Sepulveda). \$6,438,952. 2025.
- Using compound-specific stable isotopes to track organic contaminants in the environment. Notre Dame Research. Role: PI. \$98,073. 2024.
- Screening for unintended sources of PFAS and tracking its uptake in Native and commercial agriculture. USEPA. Role: Co-PI (PI: Kyle Doudrick). \$1,022,314. 2023.
- Biomagnification of PFAS in the Great Lakes Food Web. U.S. Geological Survey. Role: Co-PI (PI: Graham Peaslee). \$249,942. 2022.
- Conference on PFAS and Ecology. NSF. Role: Co-PI (PI: Timothy Maguire). \$50,000. 2023

Grants awarded with students

- Analysis of Mammalian Scat Could be Indicative of PFAS Load. College of Science. Role: Co-PI. (Pi: Juan Flores). \$4,245. 2024.
- College of Science Travel Grant. Role: Co-PI (PI: Peter Martin) \$1,500. 2024

G. Teaching Positions Teaching and Advising

Advising (2025)

Postdoctorate researcher: Alison Zachritz, Fall Semester

Graduate researcher: Babita Bhatta, Spring and Fall Semesters

Graduate researcher: Kylie Lawson, Fall semester

Graduate researcher: Flavia Ferreira, Spring semester
Undergraduate researcher: Evelyn Van de North, Fall semester
Undergraduate researcher: Cormac Murray, Fall semester
Undergraduate researcher: Alicia Melotik, Fall semester
Undergraduate researcher: Natalie Cox, Spring semester
Undergraduate researcher: Kaitlin Mohelkamp, Spring semester
Undergraduate researcher: Therese Reisch, Spring semester
Summer assistant: Caitlynn Day

Advising (2023/2024)

Graduate researcher: Babita Bhatta, Summer and Fall semesters
Graduate researcher: Flavia Ferreira, Spring and Fall semesters
Undergraduate researcher: Peter Martin, Spring and Fall semesters
Undergraduate researcher: Juan Flores, Spring and Fall semesters
Undergraduate researcher: Therese Reisch, Spring and Fall semesters
Undergraduate researcher: Kade Kruer, Fall semester
Undergraduate researcher: Joshua von Werder, Spring and Fall semesters
Undergraduate researcher: Kristin Schaars, Spring and Fall semesters
Undergraduate researcher: Kaitlin Mohelkamp, Spring and Fall semesters
Undergraduate researcher: Evelyn Van de North, Spring and Fall semesters
Summer assistant: Anna Claire McMullen
Summer assistant: Kemjika Emenike

Teaching (2023-current)

BIOS 67672 (Navigating the NSF) - Fall 2023
BIOS 67672 (Navigating the New NSF) - Fall 2025
SC45999 Summer Research Internship (Uncovering the PFAS threat: Forever Chemicals in Brazil and the United States) – Spring/Summer 2025

H. Awards

- Award for Thesis Work Year 2021 and 2022. UFBA - Universidade Federal da Bahia. (December 7 2023).
- Student scientific paper with the second highest impact factor in 2016, Federal University of Pernambuco, BRA (September 2016).

I. Examination Committees, Outreach and Service

- Volunteer at the Science Sunday event. ND- Environmental Change Initiative, September 2025
- Participation in the Thesis dissertation committee of Giulia Zanato. “Monitoring Persistent Organic Pollutants in the Estuarine System of Laguna, Santa Catarina, Brazil”. Department of Oceanography – Federal University of Santa Catarina, SC, Brazil. September 2025.
- Oral Session Chair, College of Science Joint Annual Meeting (COS-JAM), Notre Dame, May 2025.
- Oral Session Chair, College of Science Joint Annual Meeting (COS-JAM), Notre Dame, May 2024.
- Student Project Presentation Judge, Northern Indiana Regional Science & Engineering Fair, Virtual, February 2024.

- Indiana High School, TRIO Upward Bound, IUPUI Division of Undergraduate Education, April 2024
- Student Talk Presentation Judge, College of Science Joint Annual Meeting (COSE-JAM), Notre Dame, May 2023.
- Student Project Presentation Judge, Northern Indiana Regional Science & Engineering Fair, Virtual, February 2023.
- Student Talk Presentation Judge, SETAC North America Conference, Pittsburg, November 2022.
- Participation in the College monograph dissertation committee of Giulia Zanato. “Vertical distribution of organochlorine compounds in the subcutaneous layer of *Pontoporia blainvillei*”. Department of Oceanography – Federal University of Santa Catarina, SC, Brazil. July 2022.
- Participation in the PhD Qualification Exam committee of Tainá Guimarães Julio. Organochlorines in mackerel (*Scomberomorus cavalla*) commercialized in a South American metropolis (Salvador, Bahia, Brazil). Department of Oceanography, Federal University of Pernambuco, PE, Brazil. February 2022.
- Student Poster Presentation Judge, FLUOROS, Rhoad Island, NY, USA, October 2021.
- ANR evaluation process for the Evaluation Committee of Toxicology/Ecotoxicology. April 2016.

J. Professional Talks (2023-2025)

- “Forever Problem in the Great Lakes Watersheds”, Purdue University, October 2025
- “Statewide PFAS Assessment Report” Indiana Water Summit, Indianapolis, August 2025
- “PFAS in the Lake Michigan Watershed”. Environmental Research Coalition, South Bend, April 2025.
- “A Survey of Sportfish for Per- and Polyfluoroalkyl Substances (PFAS): An Emerging Contaminant in the Great Lakes” a talk given during the Illinois-Indiana Sea Grant Meeting, June 2024
- “Career trajectory and research projects at Notre Dame”, talk given during the AWIS-ND STEM-Luncheon series. University of Notre Dame, February 2024
- “Understanding PFAS in food webs – Ecotoxicology” a talk given during a virtual class at Cornell University, February 2024
- PFAS in Great Lakes Fish” a talk given during the Illinois-Indiana Sea Grant Fall Fisheries Meeting, November 2023
- “Occurrence and Biomagnification of PFAS in Lake Michigan fishes” a talk given during the PFAS workshop. University of Notre Dame, September 2023

K. Referee commissions

Journals

Referee: Environmental Science and Technology, Marine Pollution Bulletin, Aquatic Toxicology, Science of the Total Environment, Ocean and Coastal Management, Environmental Research, Chemical Speciation & Bioavailability, Plus One, Marine Environmental Research, Journal of Environmental Quality, Journal of Agricultural and Food Chemistry, and Journal of Hazardous Materials Letters.

Grants

Sea Grant North Carolina, July 2025; Sea Grant South Carolina August 2026

L. Organized events

- MSU's Center for PFAS Research Annual Symposium. PFAS Challenges and Solutions in the Great Lakes Basin: A Model for Freshwater Ecosystems: Fall 2024
- ND-PFAS Workshop, Notre Dame- IN: Fall 2023
- ND-PFAS Workshop, Notre Dame- IN: Spring 2023

M. Interviews

- [The Forever Problem](#). Notre Dame. 2024
- [Notre Dame Day](#). Notre Dame. 2022
- [Studying the Forever Chemicals in Our Fish as Food](#). Notre Dame. 2022
- [The Low Down on Plastic Pollution and How It Affects Sharks](#). Forbes. 2018

N. Academy memberships

- Black in Marine Science (BMS)
- Society of Environmental Toxicology and Chemistry (SETAC)
- Society of Advancing Chicanos/Hispanics & Native Americans in Science (SACNAS)