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**Curriculum Vitae****Nigel A. D'Souza. Ph.D.**

Assistant Professor  
 Department of Biology, & Environmental Studies & Sciences  
 Gonzaga University

Phone: (419) 819 – 9039  
 Email: [dsouzan@gonzaga.edu](mailto:dsouzan@gonzaga.edu)  
 Web: ([Link](#))

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**RESEARCH INTERESTS**

Microbial ecophysiology, plankton ecology, biological oceanography & limnology, ecotoxicology, biogeochemical cycling, climate change, microscopy, education & science communication.

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**EDUCATION**

- Ph.D. Biology** – focus on Phytoplankton & Microbial Ecology 2012  
 Bowling Green State University, Bowling Green, OH. USA  
 Dissertation: Psychrophilic Diatoms in Ice Covered Lake Erie
- M.Sc. Zoology** – focus on Molecular Biology 2005  
 University of Pune, Pune, MH. India  
 Thesis: The effect of dietary iron and oxygen availability on the hemoglobin of *Chironomus ramosus* larvae, and its biological implications.
- B.Sc. Microbiology** 2003  
 University of Pune, Pune, MH. India
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**PROFESSIONAL APPOINTMENTS**

- Visiting Assistant Professor** 2021-current  
 Department of Biology, University of Louisiana at Lafayette. LA, USA.  
*Ecotoxicology, Marine Microbial Ecology, Phytoplankton ecophysiology*
- Assistant Project Scientist** 2017-20  
 Marine Science Institute, University of California at Santa Barbara. CA, USA.  
 Project: Effects of multiple simultaneous stressors on marine phytoplankton.
- Postdoctoral Research Associate** 2016-17  
 Graduate School of Oceanography, University of Rhode Island. RI, USA  
 Project: Predator-prey dynamics in planktonic marine ecosystems.
- Postdoctoral Fellow** 2015-16  
 School of Biology, Georgia Institute of Technology. Atlanta, GA, USA  
 Project: Ecosystem impacts of oil and natural gas in the Gulf of Mexico
- Postdoctoral Research Scientist** 2012-15  
 Lamont-Doherty Earth Observatory, Columbia University, NY, USA.  
 Project: Ecosystem impacts of oil and natural gas in the Gulf of Mexico
- Research Associate** 2005-07  
Indian Space Research Organization & University of Pune Pune, India.  
 Project: Development of optical waveguide based biosensors.
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**PEER-REVIEWED PUBLICATIONS**

- Roohani K, Haubrich BA, Yue K, D'Souza N, Montalbano A, Rynearson T, Menden-Deuer S, Reid CW. 2019. Trophic upgrading and mobilization of wax esters in microzooplankton. *PeerJ* 7:e7549 ([Link](#))
- Rozmarynowycz, M.J., Beall, B.F., Bullerjahn, G.S., Small, G.E., Sterner, R.W., Brovold, S.S., D'Souza, N.A., Watson, S.B. and McKay, R.M.L., 2019. Transitions in microbial communities along a 1600 km freshwater trophic gradient. *Journal of Great Lakes Research*, 45(2), pp.263-276. ([Link](#))
- D'Souza, N.A., Subramaniam, A., Juhl, A.R., Hafez, M., Chekalyuk, A., Phan, S., Yan, B., r Macdonald, I., Weber, S.C. and Montoya, J.P., 2016. Elevated surface chlorophyll associated with natural oil seeps in the Gulf of Mexico. *Nature Geoscience*, 9(3), p.215. ([Link](#))
- Edgar, R.E., Morris, P.F., Rozmarynowycz, M.J., D'Souza, N.A., Moniruzzaman, M., Bourbonniere, R.A., Bullerjahn, G.S., Phuntumart, V., Wilhelm, S.W. and McKay, R.M.L., 2016. Adaptations to photoautotrophy associated with seasonal ice cover in a large lake revealed by metatranscriptome analysis of a winter diatom bloom. *Journal of Great Lakes Research*, 42(5), pp.1007-1015. ([Link](#))
- Ziervogel, K., Osburn, C., Brym, A., Battles, J., Joye, S., D'Souza, N., Montoya, J., Passow, U. and Arnosti, C., 2016. Linking Heterotrophic Microbial Activities with Particle Characteristics in Waters of the Mississippi River Delta in the Aftermath of Hurricane Isaac. *Frontiers in Marine Science*, 3, p.8. ([Link](#))
- Ziervogel, K., Dike, C., Asper, V., Montoya, J., Battles, J., D'Souza, N., Passow, U., Diercks, A., Esch, M., Joye, S., Dewald, C. and Arnosti, C., 2016. Enhanced particle fluxes and heterotrophic bacterial activities in Gulf of Mexico bottom waters following storm-induced sediment resuspension. *Deep Sea Research Part II: Topical Studies in Oceanography*, 129, pp.77-88. ([Link](#))
- Ziervogel, K., D'Souza, N., Sweet, J., Yan, B. and Passow, U., 2014. Natural oil slicks fuel surface water microbial activities in the northern Gulf of Mexico. *Front. in microbial.*, 5, p.188. ([Link](#))
- D'Souza, N.A., Kawarasaki, Y., Gantz, J.D., Lee Jr, R.E., Beall, B.F.N., Shtarkman, Y.M., Kocer, Z.A., Rogers, S.O., Wildschutte, H., Bullerjahn, G.S. and McKay, R.M.L., 2013. Diatom assemblages promote ice formation in large lakes. *The ISME journal*, 7(8), p.1632. ([Link](#))
- Saxton, M.A., D'Souza, N.A., Bourbonniere, R.A., McKay, R.M.L. and Wilhelm, S.W., 2012. Seasonal Si: C ratios in Lake Erie diatoms - evidence of an active winter diatom community. *Journal of Great Lakes Research*, 38(2), pp.206-211. ([Link](#))
- Twiss, M.R., McKay, R.M.L., Bourbonniere, R.A., Bullerjahn, G.S., Carrick, H.J., Smith, R.E.H., Winter, J.G., D'Souza, N.A., Furey, P.C., Lashaway, A.R. and Saxton, M.A., 2012. Diatoms abound in ice-covered Lake Erie: An investigation of offshore winter limnology in Lake Erie over the period 2007 to 2010. *Journal of Great Lakes Research*, 38(1), pp.18-30. ([Link](#))
- D'Souza, N. A. 2012. Psychrophilic diatoms in ice-covered Lake Erie (Doctoral dissertation, Bowling Green State University).

**FIELD AND SEA EXPERIENCE**

- Research cruise (1 cruise, ~26 total days) aboard UNOLS vessel (icebreaker) *R/V Nathaniel B. Palmer*, to carry out research in the Southern Ocean (2016–17).
- Chief scientist on the *R/V Blue Heron* for the 2015 UNOLS Chief Scientist Training Cruise (1 cruise, ~ 4 days) in Lake Superior (2015)
- Multiple research cruises (6 cruises, ~114 total days) aboard research vessels *R/V. Endeavor*, and *R/V Pelican* in the Gulf of Mexico (2012-15)
- Fieldwork on board the *Riverkeeper* boat on the Hudson river (1 cruise, ~ 1 day), and sampling along the shores of the Hudson river for lab microcosm experiments (2014)
- Field experience and training in studying under-ice phytoplankton in the Ross Sea, Antarctica. (~ 30 days, January 2010; 9<sup>th</sup> International Graduate Course in Antarctic Marine Biology)
- Multiple research cruises (5 cruises, ~25 total days) aboard Canadian Coast Guard Icebreaker *CCGS Griffon*, to carry out research across ice covered Lake Erie in winter (2008–11).
- Research cruises (2 cruises, ~10 days) aboard USEPA vessel *R/V. Lake Guardian*, & Canadian Coast Guard Vessel *CCGS Limnos* (1 cruise, ~ 4 days) on Lake Erie (2008–11).
- Research time on the University of Minnesota's research vessel *R/V. Blue Heron* (1 cruise, 10 days) across Lake Erie, Lake Huron and Lake Superior (July 2011)
- Experience with design and use of underwater ROV's (2010–11); Underwater Robotics Workshop at the Shedd Aquarium, Chicago.
- PADI-certified open water diver (2014 – current)

**TEACHING EXPERIENCE**

- Visiting Assistant Professor, University of Louisiana at Lafayette** 2021 – current  
Responsibilities: Teaching lecture and lab courses in Environmental Toxicology, Limnology, Estuarine Ecology & Marine Biology, and Marine Microbiology; Mentoring graduate & undergraduate student research
- Mentor, Louis Stokes Alliances for Minority Participation (LS-AMP) program** 2021 – current  
Responsibilities: Mentoring minority students in STEM fields to increase enrolment of these students into graduate programs.
- Teaching certificate course, Georgia Institute of Technology** 2016  
Completed a semester-long teaching course for postdoctoral fellows titled “Fundamentals of Teaching and Learning in Higher Education”.
- Fellow/Mentor. New York Academy of Sciences** 2013  
Responsibilities: Course in Forensic Science for middle & high school students as part of the NYAS afterschool STEM mentoring program.
- Teaching Assistant. Bowling Green State University. Dept. of Biological Sciences.** 2007–09  
Responsibilities: Lab course in Introductory Biology, and Molecular Biology

**Guest/Invited Lectures:**

- Intertidal Ecology – as part of the Biological Oceanography course at the Georgia Institute of Technology (Invited by Joseph Montoya) 2016
- Oil spills and Marine pollution – as part of the Introduction to Oceanography course at the University of California Santa Barbara (Invited by Uta Passow) 2018
- Field research in ice environments: Plaza College, Queens, NY. (Invited by class instructor P. Ramachandaran) 2014
- Research and Ecotourism in Antarctica, New York University (NYU), NY (Invited by class instructor S. Ford) 2014
- Research opportunities in Antarctica Undergraduate STEM program BGSU, Ohio. 2011

**PRESENTATIONS / TALKS**

D'souza N. A., Passow U. The combined impact of multiple stressors (CO<sub>2</sub>, temperature, and light) on growth and productivity of the marine diatom *Thalassiosira pseudonana*. (2019) Aquatic Sciences Meeting, San Juan, PR.

D'souza N.A., Anderson S.R., Rynearson T., Menden-Deuer S. Changes in intracellular lipid concentrations in the heterotrophic dinoflagellate *Oxyrrhis marina* during starvation and grazing. (2017) Aquatic Sciences Meeting, Honolulu, HI.

D'souza N.A., Juhl A., Subramaniam A., Hafez, M., Chekalyuk A., Phan S., Yan B., Ziervogel K., Bullock K., MacDonald I., Weber S. Montoya J. Evidence for bottom-up, and top-down controls on planktonic microbes near natural hydrocarbon seeps in the Gulf of Mexico. (2015) Invited talk at the 2015 Sustainable Ocean Development Symposium organized by Kiel University and the Earth Institute at Columbia University in NY.

D'souza N. A., Juhl A., Subramaniam A., Hafez, M., Chekalyuk A., Phan S., Yan B., Ziervogel K., Bullock K., MacDonald I., Montoya J. Why is chlorophyll elevated near natural seeps in the Gulf of Mexico? Evidence for bottom-up, and top-down controls on planktonic microbes. (2015). Gulf of Mexico Oil Spill and Ecosystem Science Conf. Houston, TX.

D'souza N. A., Subramaniam A., Phan S., Juhl A., Hafez, M., Chekalyuk A., Yan B., MacDonald I. The impact of natural oil seeps on phytoplankton in the Gulf of Mexico. (2014) LDEO, BPE Departmental seminar at LDEO, Palisades, NY.

D'souza N. A.; Kawarasaki Y.; Lee R. E.; Beall B.F.; Bullerjahn G. S.; McKay R. M. Detection of ice nucleating active components in a winter phytoplankton assemblage in Lake Erie. (2011) 54<sup>th</sup> Annual IAGLR (International Association for Great Lakes Research) conference at Duluth, MN.

D'souza N. A.; Bullerjahn G. S.; McKay R. M. Psychrophilic diatoms in ice-covered Lake Erie. (2009) Environmental Microbiology Symposium at Bowling Green State Univ., Bowling Green, OH.

**Select Talks as contributing author:**

- Passow, U.; D'souza, N.; Sweet, J.; Romanelli, E. Phytoplankton Response to Multiple Environmental Stressors (2019) Integrated Marine Biosphere Research (IMBeR) Open Science Conference, Brest, France.
- Menden-Deuer S., Anderson S.R., Franzé G., Kane M.K., D'souza N. A., Morison F., Oikonomou A. When the going get's tough: evaluating herbivore behavior and population dynamics under sub-optimal conditions. (2017) Aquatic Sciences Meeting, Honolulu, HI.
- Cordes E., D'souza N.A., Roman C., Levin L.A. Exploration of the water column overlying deep sea hydrocarbon seeps. (2017) Aquatic Sciences Meeting, Honolulu, HI.
- Subramaniam A. (Presenter), D'souza N. A., Juhl A., Hafez, M., Chekalyuk A., Yan B. Biogeography of Phytoplankton Community Structure In The Northern Gulf Of Mexico. (2015) Gulf of Mexico Oil Spill and Ecosystem Science Conference. Houston, TX.
- McKay, R. M. (Presenter), D'souza, N. A., Kawarasaki, Y., Lee, R. E., Beall, B.F., Bullerjahn, G. S. (2012) Bacterial Epiphytes of Diatoms promote ice nucleation in large lakes. 2012 ASLO aquatic sciences meeting at Shiga, Japan.
- McKay, R.M.L. (Presenter), D'souza, N., Wildschutte, H., Bullerjahn, G., Lee, R. (2012) Microbes Promote ice formation on large lakes. 3<sup>rd</sup> European Large Lakes Symposium, Germany.

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**SELECT POSTERS**

- D'souza N.A., Pelletier M., Passow U. A Comparison of the Combined Impact of CO<sub>2</sub>, Temperature, and Light on Growth and Productivity of Two Marine Phytoplankton – the Cyanobacteria *Synechococcus elongatus*, and the Diatom *Thalassiosira pseudonana*. (2020) ASLO Ocean Sciences Meeting, San Deigo, CA.
- D'souza N.A., Anderson S.R., Rynearson T., Menden-Deuer S. Changes in intracellular lipid concentrations in the heterotrophic dinoflagellate *Oxyrrhis marina* during starvation and grazing. (2017) Annual RI-EPSCOR symposium, Providence, RI.
- D'souza N.A., Weber S., Subramaniam A., Juhl A., Montoya J. Changes in microbial and phytoplankton communities in response to oil and nutrients in the Northern Gulf of Mexico: Correlating experiments with field observations. (2016) Ocean Sciences Meeting, New Orleans, LA., and GoM Oil Spill and Ecosystem Science Conference. Tampa, FL.
- D'souza N.A., Juhl A., Subramaniam A., Hafez, M., Chekalyuk A., Phan S., Yan B., Ziervogel K., Bullock K., MacDonald I., Weber S. Montoya J. Linking deep sea hydrocarbon seeps to surface microbes in the Gulf of Mexico. (2015) Georgia Tech. Postdoc Symposium
- D'souza N.A., Juhl A., Ziervogel K., Kendra B., Yan B., Subramaniam A. Synergy of oil, nutrients, and predation in influencing planktonic processes in the Gulf of Mexico. (2014) ASLO Ocean Sciences Meeting, Honolulu, HI.
- D'souza N.A., Subramaniam A., Juhl A., Hafez, M., Chekalyuk A., Yan B., MacDonald I. Multiple lines of evidence for elevated phytoplankton pigments near natural oil seeps in the northern Gulf of Mexico. (2014) GoM Oil Spill and Ecosystem Science Conf. Mobile, AL.

- D'souza N.A., Juhl A., Kendra B., Ziervogel K., Subramaniam A., Yan B. Synergy of oil, nutrients, and microbial predators in influencing microbial processes in the Gulf of Mexico. (2013) Lamont-Doherty Earth Observatory Postdoc Symposium. New York.
- D'souza N.A., Hafez, M., Chekalyuk A., Yan B., Subramaniam A., Juhl A. Spectral measurements of laser-induced fluorescence of biological and organic constituents in the Gulf of Mexico. (2013) Gulf of Mexico Oil Spill and Ecosystem Science Conference. New Orleans.
- D'souza N.A., Saxton M.A., Bullerjahn G.S., Wilhelm S.W. and McKay R.M.L. Psychrophilic diatoms in ice-covered Lake Erie. (2010) Annual IAGLR (International Association for Great Lakes Research) Conference, Toronto, ON, Canada.
- D'souza N.A., Bullerjahn G.S. and McKay R.M.L. Psychrophilic diatoms in ice-covered Lake Erie. BGSU Research Conference (2009) and Dept. of Biological Sciences' Research retreat, (2009).
- D'souza N. A., Wilhem S. W., Twiss M. R., Carrick H. J., Bourbonniere R. A., Bullerjahn G. S. and McKay R. M. L. Microbial production in ice-covered Lake Erie. Primary production in ice-covered Lake Erie. (2009) Annual IAGLR (International Association for Great Lakes Research) Conference, Toledo, OH, USA.
- D'souza N. A., Bullerjahn G. S., and Mckay R. M. L. Microbial production in ice-covered Lake Erie. (2008) Departmental Research Retreat. Biological Sciences, BGSU. Ohio. (Link)
- D'souza N.A., Gaikwad S.S., Pillai A., Aiyer R.C., Kulkarni A., and Deobagkar D.D. Optical waveguide based gas sensors and microbe sensors using biomaterials. (2006) National Symposium on Recent Trends in Modern Biology. University of Pune, India.

**Select posters as contributing author:** (\* = student mentees)

- \* Hebner C.J. (Presenter, **REU student mentee**), Stauffer B.A., D'Souza N.A. The effects of rapid and sustained changes in light and salinity on *Heterosigma akashiwo* (2022) Joint Aquatic Sciences Meeting, Grand Rapids MI.
- \* Lavergne B.C. (Presenter, **undergraduate student mentee**), Jaegge A., Pell E. D'Souza N.A., Stauffer B.A. Interactive Effects of Temperature and Salinity on the Growth of *Microcystis aeruginosa* (2022) Joint Aquatic Sciences Meeting, Grand Rapids MI.
- \* Graham J. (Presenter, **undergraduate student mentee**),\* Topor Z. M. (**Graduate student mentee**), D'Souza N.A. Distribution of Vermilion Bay Zooplankton: Size, Abundance & Caloric Density (2022) University of Louisiana at Lafayette's 2022 Annual Biology Undergraduate Research Symposium (BURS).
- \* Hebner C.J. (Presenter, **REU student mentee**), Stauffer B.A., D'Souza N.A. The effects of rapid and sustained changes in light and salinity on *Heterosigma akashiwo*. (2021) University of Louisiana at Lafayette's REU and Summer Undergraduate Research symposium
- \* Lavergne B.C. (Presenter, **undergraduate student mentee**), Jaegge A., Pell E. D'Souza N.A., Stauffer B.A. Combined effects of increased salinity and temperature on *Microcystis aeruginosa* growth (2021) University of Louisiana at Lafayette's REU and Summer Undergraduate Research symposium

- \* Pelletier M. (Presenter, **student mentee**), D'souza N.A., Passow U. The synergistic impact of multiple stressors on the photophysiology of the marine cyanobacteria *Synechococcus elongatus* (2020) ASLO Ocean Sciences Meeting, San Deigo, CA.
  - \* Lowry M. (Presenter, **undergraduate student mentee**), D'souza N.A., Passow U. The combined effect of El Nino events and climate change on growth and photophysiology of a marine coccolithophore isolated in the Santa Barbara channel (CA). (2020) ASLO Ocean Sciences Meeting, San Deigo, CA.
  - \* Eberhard E.J. (Presenter, **REU student mentee**), D'souza N. A., Passow U. Thermal tolerance and photoacclimation of the diatom *Thalassiosira Pseudonana*. At high pCO2 levels. (2019) Aquatic Sciences Meeting, San Juan, PR.
- Edwards C.E., Castelao R., Ziervogel K., D'souza N.A. Seeding Snow: Mississippi river plume interactions with surface oil in the Northern Gulf of Mexico. (2017) The GoM Oil Spill and Ecosystem Science Conference. New Orleans, LA.
- Subramaniam A. (presenter), D'souza N.A., Juhl A., Montoya J. Use of autonomus platforms to study the hydrography around natural hydrocarbon seeps in the Gulf of Mexico. (2016) The GoM Oil Spill and Ecosystem Science Conference. Tampa, FL.
- Subramaniam A. (presenter), Juhl A., D'souza N.A., Weber S. Montoya J. Biogeography of phytoplankton community structure in the Northern Gulf of Mexico. (2016) ASLO Ocean Sciences Meeting, New Orleans, LA.
- \* Kendra B. (Presenter, **undergraduate student mentee**), D'souza N. A., Juhl A., Montoya J. Bacterial abundances in the water column near natural oil seeps and other oil-impacted areas in the Northern Gulf of Mexico. (2014) Gulf of Mexico Oil Spill and Ecosystem Science Conference. Mobile, AL.
- Yan B. (Presenter), Passow U., Pitiranggon M., D'souza N.A., Juhl A., Subramaniam A. Apples and Oranges? Characterizing spilled and seeped oil in the Gulf of Mexico. (2014) Gulf of Mexico Oil Spill and Ecosystem Science Conference. Mobile, AL.
- Shtarkman Y. M. (Presenter), Edgar R., D'souza N. A., Koçer Z. A., Morris P.F., Rogers S.O. Metagenomic and Metabolomic Analyses of Surface Ice from Lake Erie. (2012) ASM general meeting, SF, CA.
- Karentz D. (Presenter), Steven B., DeStefano M., D'souza N. A., Hoogstraten A., Ilyina T. and Wölfel J. McMurdo Sound summer phytoplankton revisited: A comparison between 1984 and 2010. (2010) The 2010 Scientific Committee on Antarctic Research (SCAR) Conference.

## **MENTORING EXPERIENCE**

### **Graduate Students (co-mentored):**

Julia Sweet, UCSB, CA, & ULL, LA	2021 – current
Hans Prevost, University of Louisiana Lafayette, LA	2021 – current
Gulce Kurtay, University of Louisiana Lafayette, LA	2021 – current
Andrea Jaegge, University of Louisiana Lafayette, LA	2021 – current
Jennifer Raabe, University of Louisiana Lafayette, LA	2021 – current

**Undergraduate Mentees:**

Jackson Graham, ULL	2021-22
Mikaela Woodard, ULL	2021-22
Collin Hebner, ULL REU program	2021-22
Megan Lowry, UC Santa Barbara, CA	2018-20
Marianne Pelletier, UC Santa Barbara, CA	2019-20
Sophia Campbell, UC Santa Barbara, CA	2018-19
Ean Eberhard, Oakland University, MI & UCSB-REU program	2018
Kendra Bullock, Columbia University, NY.	2013-14
<i>Multiple mentees at the annual ASLO mentoring program</i>	2017-20

**High School Mentees:**

Natalie Garbowski, Tenafly High School, NJ.	2014
Wakanene Kamau, Bowling Green High School, OH.	2011
Grace Miner, Bowling Green High School, OH.	2008-09

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**SERVICE AND OUTREACH**

- Participant as phytoplankton ecologist on an education cruise conducted by the [MERITO foundation](#), in the Santa Barbara Channel to train school teachers in ecological methods out at sea for use in educational programs at local middle and high schools (2019).
  - Guest speaker at a professional development workshop for local high school teachers, organized by the [MERITO](#) foundation's [EECCOA program](#), and [Blue-Green School Project](#) (2019) Talk title: The impact of climate change on marine phytoplankton.
  - Served as a reviewer for research proposals submitted to the National Science Foundation's Biological Oceanography Program (Oct 2019).
  - Served as a reviewer for the following scientific journals: Limnology and Oceanography; Journal of Phycology; Journal of Marine Systems; Journal of Great Lakes Research.
  - Served as a Volunteer Judge at the Rhode Island Science and Engineering Fair (RISEF) for middle and high school students at the Community College of Rhode Island, Warwick, RI. (2017)
  - Organized experiments and talks to introduce high school students from the North Kingston High School, and their German student exchange program (with the Burgau Academy, in Dueren, NRW) to Biological Oceanography. (2016)
  - Served as a reviewer for undergraduate research proposals at the President's Undergraduate Research Awards (PURA) at Georgia Institute of Technology (October 2015)
  - Served as a reviewer for graduate student research proposals submitted to the NASA Earth and Space Science Fellowship (NESSF) Program (April 2014) in Washington D.C.
  - Organized open-house events and exhibits on polar biology at the LDEO (2012, 2014).
  - Vice President, India Student Assoc. (ISA) at Bowling Green State University, OH, USA. (2009–10).
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## **FUNDED RESEARCH PROPOSALS**

- Discovering lipid biomarkers in marine planktonic predators: food webs to biofuels. (2016), submitted to the Rhode Island Research Alliance (RIRA-CA-2017), Rhode Island Science and Technology Advisory Council (RI-STAC) (Nov 2016). \$99,361 over a 1-year period. PI's: Rynearson T. & Menden-Deuer S. (URI), Reid C. (Bryant University), Postdoc: D'souza N.A. (URI)
- Graduate Dissertation Fellowship (full annual tuition waiver, and annual stipend) at the Department of Biological Sciences, Bowling Green State University (2010–11)

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## **MINOR FUNDING**

- ASLO Early Career Travel Award (\$500)(2019)
- Postdoc travel award from the University of Rhode Island (\$1,000) (2017)
- Funding to participate in the 2015 UNOLS Chief Scientist Training Program on board the *R/V Blue Heron* on Lake Superior (2015).
- Funding to participate in the “2015 Preparing for an Academic Career in the Geosciences workshop”. (\$100 from organizers, and \$500 from LDEO)
- LDEO Postdoc travel awards (\$500 each) in 2013, and 2015.
- Funded by the National Science Foundation (NSF) and the United States Antarctic Program (USAP) to participate in the 9<sup>th</sup> International Graduate Course in Antarctic Marine Biology, at McMurdo station, Antarctica, (2010).
- Linda and Larry Oman Graduate Scholarship in Ecology and Environmental Biology at Bowling Green State University. (\$750). (2009).

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## **OTHER ACADEMIC AWARDS**

- Certificate of excellence from the of the ECOGIG consortium of the Gulf of Mexico Research Initiative, for research paper published in *Nature Geosciences* (2016).
- 2010 Outstanding Graduate Student Award at Bowling Green State University. (2011)
- Runner-up: 2010 IAGLR-Hydrolab Best Student Poster Award at the International Association of Great Lakes Research Annual Conference in Duluth, MN. (2011)
- 2009 Honorable Mention Doctoral level Award by Sigma Xi for a Research Poster presented at the 2009 BGSU Research Conference (2009).
- Nominated for the 2008 Outstanding Graduate Teaching Assistant award at Bowling Green State University. (2009).
- Runner-up award for the best poster at the Department of Biological Sciences' Research Retreat, at Bowling Green State University. (2009).

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## **AFFILIATIONS WITH SCIENTIFIC SOCIETIES**

- Gulf of Mexico Research Initiative (GOMRI) (2012 – present)
- American Society for Limnology and Oceanography (2013 – present)

- International Association for Great Lakes Research (IAGLR). (2008 – 2012)
- Association of Polar Early Career Scientists (APECS). (2010 – Present)

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**FORMER ADVISORS**

**Project Advisor:**

Uta Passow (UCSB) 2017 - 2020

**Former Postdoctoral Advisors:**

Tatiana Rynearson & Susanne Menden-Deuer (URI) 2016 - 2017

Joseph Montoya (Georgia Institute of Technology) 2015 - 2016

Ajit Subramaniam (LDEO, Colubia University) 2012 – 2015

Andrew Juhl (LDEO, Colubia University) 2012 - 2015

**Doctoral Advisors:**

Robert Michael McKay (BGSU) 2007 - 2012

George Bullerjahn (Co-advisor, BGSU) 2007 - 2012

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*(Updated: August 15<sup>th</sup>, 2022)*