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BIOGRAPHY

Alexis A. Bahl is a Ph.D. Candidate in Oceanography and a Four-Year Scholar at the University of British Columbia's Department of Earth, Ocean, and Atmospheric Sciences. Her dissertation explores "An Improved Understanding of Salpa thompsoni Diel Vertical Migration and Its Influence on Southern Ocean Ecosystem Structure and Function." Active in the Integrating Climate and Ecosystems Dynamics (ICED) working group, Alexis leads research to support policymakers in improving Antarctic krill fisheries management. She also organizes early-career researcher participation in the Southern Ocean Carbon and Climate Observations and Modelling Project (SOCCOM). As a researcher with the Canadian Consortium for Science Equity Scholars, she analyzes socio-demographic and classroom experience data to create visual reports, having produced over 135 reports for instructors across 12 Canadian institutions. Previously, as a Research Assistant at Johns Hopkins University. Alexis analyzed ocean dynamic parameterization in Earth System Models and published two first-author studies. She holds an M.Sc. in Environmental Sciences and Policy from Johns Hopkins University and a B.Sc. in Environmental Science from Loyola University Chicago. Skilled in R, MATLAB, LaTeX, and Microsoft Office, she has presented at 12 conferences, serving as Chair Convener for two.

EDUCATION

Aug '20 – Present	 PhD, Oceanography Specialization: Biological Oceanography Department of Earth, Ocean, and Atmospheric Sciences The Institute of Oceans and Fisheries The University of British Columbia Vancouver, BC, Canada Advisor: Evgeny Pakhomov Thesis: "An improved understanding of Salpa thompsoni diel vertical migration and its influence on Southern Ocean ecosystem structure and function"
Jan '17 – Aug '18	 MSc, Environmental Sciences and Policy Specialization: Environmental Management Johns Hopkins University Baltimore, MD, United States Advisors: Jerry Burgess and Anand Gnandesikan Capstone: "Understanding the Effects of Doubled CO₂ on the Biological Pump in an Earth System Model: An Imperative for Ocean Science and International Climate Change Policy" Relevant Coursework: Oceanic and Atmospheric Processes, Hydrology and Water Resources, Statistics and Political Analysis, Geological Foundations of Environmental Science, Climate Change Policy Analysis, Science of Climate Change and its Impact
Sep '12 – Aug '15	BSc, Environmental Science Loyola University Chicago Chicago, IL, United States Advisor: Christopher Peterson Capstone: "The Impacts of Blast Fishing and Shark Finning in the South China Sea"

Relevant Coursework: Fundamental Statistics, General Biology I and II, General Chemistry I and II, Applied Calculus I, Calculus II, General Biology Lab, General Chemistry Lab, Intro. to GIS, Human Dimension of Conservation, Environmental Economics, Ecology

Sep '09 – May '12 **AA, Liberal Arts**

Washtenaw Community College Ann Arbor, MI, United States **Honors:** Graduated with Honors

HONORS AND AWARDS

Captain Thomas S Byrne Scholarship
Dept of EOAS Graduate Scholarship
Chih-Chuang and Yien-Ying Wang Hsieh Memorial Scholarship
Kit Malkin Scholarship
Early Career Ocean Professional 7th Zooplankton Production Symposium Presentation
Nomination
North Pacific Marine Science Organization (PICES) and the International Council for the
Exploration of the Sea (ICES) Travel Grant to attend 7th Zooplankton Production Symposium
Four-Year Fellowship
Four-Year Fellowship Tuition Award
Woods Hole Ocean Twilight Zone Symposium Early Career Researcher Travel Bursary
Paul J. Harrison Memorial Award in Oceanography
David Green Award in Oceanography
2023 EOAS Graduate Poster Award
President's Academic Excellence Initiative PhD Award
Special UBC Graduate Scholarship-W.H. Mathews Scholarship
2022 Ocean Sciences Meeting Registration Award
Li Tze Fong Tri-Council Affiliated Fellowship
W.H. Mathews Scholarship
Kit Malkin Scholarship
Vanier Scholar - Departmental Candidate
Faculty of Science Graduate Tuition Award
President's Academic Excellence Initiative Ph.D. Award
International Tuition Award
Phi Theta Kappa Honors Society Scholarship
Transfer Presidential Scholarship
Foundation Scholarship
Dean's High Honor Roll
Dean's Honor Roll

GRANTS

Aug 2022 - Sept 2023 National Geographic Society Early Career Grant

RESEARCH EXPERIENCE

Jan '23 - Present Researcher and Data Analyst

Canadian Consortium of Science Equity Scholars, University of British Columbia

Vancouver, BC

Supervisor: Jacklyn Stewart

Responsibilities:

-Synthesize first-year STEM student survey data from four Canadian universities -Develop instructor reports in R Studio and perform exploratory analysis on survey results -Present project goals at conferences and communicate strategies for improving inclusivity in STEM postsecondary courses

-Manage communications and project workflow with internal and external colleagues

Sep '17 – Sep '20 Research Assistant

Department of Earth and Planetary Sciences, Johns Hopkins University

Baltimore, MD

Supervisor: Anand Gnanadesikan

Responsibilities:

-Compared GFDL-ESM2Mc with CMIP5 models to analyze uncertainties in physical dynamics -Performed quantitative analysis on ocean mixing and biogeochemical parameters

-Synthesized large amounts of data and research material into scientific papers

-Determined marine ecosystem change under doubling CO₂ perturbations

-Represented JHU at global conferences by communicating results with scientists and policymakers -Drafted documents to accurately explain complex information to varying audiences

Jul '15 – Jan '16 Research Assistant

Institute of Environmental Sustainability, Loyola University Chicago

Chicago, IL

Supervisor: Tham Hoang

Responsibilities:

-Evaluated Micro-plastic contamination impact on freshwater and saltwater fish species through dissection and light microscopy

-Characterized developmental effects of plastic pollution on freshwater and saltwater fish species -Generated and analyzed biodiversity loss due to the presence of micro-plastics

-Prepared written documents that translated quantitative data into summarized materials -Executed experimental design techniques by testing samples through various chemical analyses and

centrifugation techniques

Jul – Aug '14 Volunteer Research Assistant

Tropical Research and Conservation Centre

Sabah, Malaysia Supervisor: Fletcher Sunde

Responsibilities:

-Developed in-the-field processes to plant coral fragments to restore the coral community -Interviewed local community members to build consensus on possible alternatives to blast-fishing and shark finning

-Engaged the local community for educational opportunities

-Performed the necessary training to be an advanced PADI-certified diver

-Conducted fish, anemone, shark, ray, and turtle ID surveys to code and identify individuals in partnership with the Photo-ID network

Jun – Jul '14 Field Studies Volunteer *Cetacean Research and Rescue Unit* Banff, Scotland Supervisor: Kevin Robinson Responsibilities: -Collected sonar data with an Echo sounding sonar instrument -Trained in marine mammal rescue techniques -Synthesized all data into GIS to analyze changing migration patterns

-Conduct photo-identification studies on Bottlenose dolphins, Minke whales, and Porpoises -Synthesized study materials and data into documents sent to St. Andrews University, University of Aberdeen, and University of Dublin

TEACHING EXPERIENCE

Accreditations

Oct '23	CIRTL Associate - Certificate Centre for Integration of Research, Teaching, and Learning (CIRTL) at UBC The University of British Columbia
Courses	
Jan - April '24	Sessional Lecturer, The Ocean Environment (EOSC 315) The University of British Columbia 1 term
Jan '22 - Dec '23	Teaching Assistant, The Ocean Ecosystem (EOSC 314) The University of British Columbia 5 terms
July - Aug '23	Lecturer, Earth and Ocean Sciences The University of British Columbia, Vancouver Summer Program 1 term
Sept - Dec '22	Teaching Assistant, Natural Disasters (EOSC 114) The University of British Columbia 1 term
May - Aug '22	Teaching Assistant, The Ocean Environment (EOSC 315.98A) The University of British Columbia 1 term
Jan - May '21	Lecturer, Climate Measurement and Analysis (EOSC 442.201) The University of British Columbia 1 term

PROFESSIONAL EXPERIENCE

Dec '18 – Aug '20	Coordinator, Perpetual Planet
	National Geographic Society
	Washington, DC
	Supervisor: Nicole Alexiev
	Responsibilities:
	-Conducted literature reviews on scientific topics and synthesized them into internal reports
	-Developed framework for 2 capacity-building grants and reviewed applications
	-Led logistics and planning for 4 local and 1 international convening
	-Streamlined communications with internal colleagues and external stakeholders
	-Conducted quantitative analysis on biogeochemical cycles in high-alpine and
	rainforest environments to create an index featured on NG EarthPulse website
	-Created presentation materials, expedition science reports, monthly and quarterly
	financial reports, and more, in support of the initiative and at the direction of the Senior Program
	Manager and Vice President
	-Managed project organization in Wrike software and served as program point person

Jan – May '18 Science and Solutions Intern *The Climate Reality Project* Washington, DC

Supervisor: Marshall Geck Responsibilities:

-Drafted policy memos and presentation material for former Vice President Al Gore -Conducted thorough analyses of environmental policy, both national and international -Curated former Vice President Al Gore's talking points for Climate Reality training events -Responsible for writing educational material on current legislation for public viewing -Identified topical stories and drafted weekly blog posts for the Reality Hub website -Volunteered to conduct an independent research project to provide future guidance for The Climate Reality Project strategy. This document was titled: 'Greenhouse Gas Emissions' Impact on Marine Ecosystems and Future Ocean Sequestration

Jun '16 – Jul '17 **Executive Assistant**

National Immigrant Justice Center Chicago, IL Supervisor: Mary Meg McCarthy Responsibilities:

- Developed, compiled, and organized the annual "Human Rights Awards" Campaign
- Edited law journals and peer-reviewed technical grants
- Raised over \$1 million dollars for the first time in company history by building and sustaining relationships with old and new donors
- Managed and prepared information on immigration law for in-house attorneys
- Trained 2 interns and 1 supervisor in all administrative tasks and legal editing procedures

PEER-REVIEWED PUBLICATIONS

Bahl, A. A., Lüskow, F., Décima, M., Steinberg, D., and Pakhomov, E. A. (in review). The influence of life cycle stage and size on salp migration patterns in the Southern Ocean. *Journal of Marine Systems*.

Bahl, A. A., Bahlburg, D., Veytia, D., Sylvester, Z., Green, D. B., Halfter, S., Liszka, C. M., O'Sullivan, D., Rombolá, E. F., Ryabov, A., Thorpe, S. E., Pakhomov, E. A., Kawaguchi, S., Hofmann, E. E., Johnston, N., Young, E. F., Conroy, J. A., Bernard, K. S., and Murphy, E. J. (in review). Identifying and prioritising key data gaps for modelling Antarctic krill recruitment. *ICES Journal of Marine Science, Zooplankton Production Symposium Special Issue*.

Sylvester, Z., Veytia, D., **Bahl, A.A.,** Bahlburg, D., Benkort, D., Bestley, S., Cagdas, B., Cleary, A. C., Constable, A., Corney, S., Fach, B. A., Hellessey, N., Hill, S. L., Johnston, N. M., Labrousse, S., Merkel, B., Meyer, B., Murphy, E., Subramaniam, R. C., Thorpe, S., and Raymond, B. (in review). Untangling the Complexities of Larval Antarctic Krill Overwintering Success Under Climate Change. *ICES Journal of Marine Science, Zooplankton Production Symposium Special Issue*.

Bahl, A. A., Pakhomov, E. A., Batta-Lona, P., Halfter, S., Baker, K., and Lüskow, F. (in prep). Global Salp Synthesis: Migratory Behavior, Genetics, Rates, Stoichiometry, Food-web Dynamics, and Climate Change Impacts. *Nature Communications*.

Bahl, A. A., Hill, S. L., Kwong, L. E., Décima, M., and Pakhomov, E. A. (in prep). Estimating the influence of Salpa thompsoni migratory behavior on export in the Southern Ocean: a stage- and size-specific approach. *Limnology and Oceanography*.

Bahl, A. A., Lüskow, F., Iversen, M., Korad, C., Pakhomov. E. A. (in prep). Southern Ocean Diel Vertical Migration: Camera vs. net methodologies.

Lüskow, F., **Bahl, A. A.**, Décima, M., Steinberg, D. K., and Pakhomov, E. A. (in prep). Diel vertical migration patterns of four salp species – biological and environmental drivers for species size- and stage-specificity. *Limnology and Oceanography*.

Décima, M., Stukel, M., Nodder, S., Meyers, M., Fender, C., Kelly, T., Lüskow, F., **Bahl, A. A.**, Pakhomov, E. A., and Pinkerton, M. (in prep). Fecal pellets, death, and migration– quantifying the multiple contributions of salps to carbon export in the Southwest Pacific. *Frontiers in Marine Science*.

Pakhomov, E. A., Mole, R., **Bahl, A. A.**, von Appen, W. J., & Lüskow, F. (2025). Early spring population dynamics of Salpa thompsoni linked to physical oceanography in the Atlantic sector of the Southern Ocean. *Polar Biology*, 48(1). <u>https://doi.org/10.1007/s00300-024-03342-w</u>

Lüskow, F., **Bahl, A. A.**, Décima, M., Steinberg, D. K., and Pakhomov, E. A. (2024). Reproductive biology, elemental composition, and diel vertical migration of the cosmopolitan warm-temperate pelagic tunicate *Soestia zonaria*. *Journal of Plankton Research*, 00, 1-13. https://doi.org/10.1093/plankt/ad053

Kwong, L. E., **Bahl, A. A.**, and Pakhomov, E. A. (2022). Variability in micronekton active carbon transport estimates on the southwest coast of Oahu using three different sampling gears. *Frontiers in Marine Science: Marine Biogeochemistry*. https://doi.org/10.3389/fmars.2022.948485

Bahl, A., Gnanadesikan, A., and Pradal, M.-AS. (2020). Scaling global warming impacts on ocean ecosystems: Lessons from a suite of Earth System Models. *Frontiers in Marine Science: Global Change and the Future Ocean*, 7:698. https://doi.org/10.3389/fmars.2020.00698

Covey, K., Soper, F., Pangala, S., Bernardino, A., Pagliaro, Z., Basso, L., Cassol, H., Fearnside, P., Navarrete, D., Novoa, S., Sawakuchi, H., Lovejoy, T., Marengo, J., Peres, C.A., Baillie, J., Bernasconi, P., Camargo, J., Freitas, C., Hoffman, B., Nardoto, G.B., Nobre, I., Mayorga, J., Mesquita, R., Pavan, S., Pinto, F., Rocha, F., de Assis Mello, R., Thuault, A., **Bahl A.A.** and Elmore, A. (2021).Carbon and Beyond: The Biogeochemistry of Climate in a Rapidly Changing Amazon. *Frontiers in Forests and Global Change: Tropical Forests.* 4:618401. https://doi.org/10.3389/ffgc.2021.618401

Immerzeel, W.W., Lutz, A.F., Andrade, M., **Bahl, A.**, Biemans, H., Bolch, T., Hyde, S., Brumby, S., Davies, B.J., Elmore, A.C., Emmer, A., Feng, M., Fernández, A., Haritashya, U., Kargel, J.S., Koppes, M., Kraaijenbrink, P.D.A., Kulkarni, A.V., Mayewski, P.A., Nepal, S., Pacheco, P., Painter, T.H., Pellicciotti, F., Rajaram, H., Rupper, S., Sinisalo, A., Shrestha, A.B., Viviroli, D., Wada, Y., Xiao, C., Yao, T., Baillie, J.E.M., (2020). Importance and vulnerability of the world's water towers. *Nature* 577. https://doi.org/10.1038/s41586-019-1822-y

Bahl, A., Gnanadesikan, A., Pradal, M.A. (2019). Variations in Ocean Deoxygenation Across Earth System Models: Isolating the Role of Parameterized Lateral Mixing. *Global Biogeochem. Cycles* 33, 703–724. https://doi.org/10.1029/2018GB006121

REPORTS

Grigoratou, M., et al. (2023). Workshop report: Towards a global marine plankton observing network. G7 Future of the Seas and Oceans Initiative (FSOI) and the GOOS Biology and Ecosystem Panel. Online participant. 25-27 September 2023.

Klaas, C. (2023): The Expedition PS133/1 of the Research Vessel Polarstern to the Atlantic Ocean in 2022 / H. Bornemann and S. Amir Sawadkuhi (editors), Berichte zur Polar- und Meeresforschung = Reports on polar and marine research, Bremerhaven, Alfred-Wegener-Institut Helmholtz-Zentrum für Polar- und Meeresforschung, 774, 144 p. doi: 10.57738/BzPM 0774 2023

Z. Sylvester, D. Veytia, **A. Bahl**, D. Bahlburg, E. Murphy, N. Johnston, S. Corney, C. Brooks, B. Meyer, E. Hofmann and S. Thorpe. Using models to improve our understanding of Antarctic krill and their ecological role: Report of the Integrating Climate and Ecosystem Dynamics of the Southern Ocean (ICED) workshop, 2021. WG-EMM-2021/23. CCAMLR. https://meetings.ccamlr.org/en/wg-emm-2021/23

Veytia, D., **Bahl, A.**, Sylvester, Z., Bahlburg, D., Murphy, E., Corney, S., Hofmann, E., Johnston, N., Meyer, B., and Brooks, C. (2021). Workshop report: Using models to improve our understanding of Antarctic krill and their ecological role in the Southern Ocean. Integrating Climate and Ecosystem Dynamics of the Southern Ocean (ICED). Online Organizer. May, 2021. DOI: 10.5281/zenodo.6780069

CONFERENCE PRESENTATIONS

Brown, L., **Bahl, A. A.**, Douglas, C., Keppler, L., Joy-Warren, H. Polar Oceans Early Career Community Hour. Observing the Dynamics of the Southern Ocean. Oral Presentation. Scripps Institution of Oceanography, La Jolla, California, United States, April 2024.

Stewart, J. J., Ashok, A., **Bahl, A. A.**, Egorova, Y., Ives, J., Kelly, T., Mahtani, T., McNeil, S. W., Saville, E., Stang, J. Identifying opportunities for enhancing equity in first-year chemistry: a national approach. Poster presentation. Canadian Chemistry Conference, Winnipeg, Canada, June 2024.

Bahl, A. A., Bahlburg, D., Sylvester, Z., Veytia, D. et al. Cataloging past efforts to inform future priorities for modeling Antarctic Krill growth and development: a synthesis and conceptualization. Oral presentation. ICES-PICES 7th International Zooplankton Production Symposium, Hobart, Tasmania, March 2024.

Bahl, A. A., Hill, S. L., Kwong, L. E., Décima, M., Henschke, N., and Pakhomov, E. A. Estimating the influence of Salpa thompsoni migratory behavior on carbon export in the Southern Ocean: a stage- and size-specific approach. Oral presentation. ICES-PICES 7th International Zooplankton Production Symposium, Hobart, Tasmania, March 2024.

Décima, M., Stukel, M., Gutierrez-Rodriguez, A., Nodder, S., Safi, K., Meyers, M., Fender, C., Kelly, T., Lüskow, F., **Bahl, A. A.**, Pakhomov, E. A., and Pinkerton. M. Salps vs. crustaceans: comparing their contribution to carbon export pathways in the Southern Ocean Subtropical Convergence Zone. Oral presentation. ICES-PICES 7th International Zooplankton Production Symposium, Hobart, Tasmania, March 2024.

Bahl, A. A., Lüskow, F., Décima, M., Steinberg, D. K., and Pakhomov, E. A. Southern Ocean salp migratory patterns vary by life cycle stage and size. Poster presentation. ICES-PICES 7th International Zooplankton Production Symposium, Hobart, Tasmania, March 2024.

Pakhomov, E. A., **Bahl, A. A.**, Lüskow, F., Mole, R., and von Appen, W.-J. Early spring Salpa thompsoni population dynamics in the Atlantic sector of the Southern Ocean. Oral presentation. ICES-PICES 7th International Zooplankton Production Symposium, Hobart, Tasmania, March 2024.

Bahl, A. A., Lüskow, F., Décima, M., Steinberg, D. K., and Pakhomov, E. A. Southern Ocean salp migratory patterns vary by life cycle stage and size. Oral presentation. Biodiversity, Ecology, and the Biological Carbon Pump in the Ocean Twilight Zone Symposium, Woods Hole, MA, September 2023.

Stewart, J., Ives J., Smith, K., Egorova, Y., **Bahl, A. A.**, and Saville, L. Exploring outputs from a CCSES Instructor Report – Learning and Possibilities. Poster presentation. Annual Science Education Open House, Vancouver, BC, April 2023.

Stewart, J., Ives J., Smith, K., Egorova, Y., **Bahl, A. A.**, Rathod, B., and Saville, L. Enhancing Equity in Post-Secondary Science. Poster presentation. Annual Science Education Open House, Vancouver, BC, April 2023.

Bahl, A. A., Lüskow, F., Décima, M., Steinberg, D. K., and Pakhomov, E. A. Investigating life cycle stage and size on salp migration patterns in the Southern Ocean. Poster presentation. Gordon Research Conference: Polar Marine Science, Ventura, CA, March 2023.

Bahl, A. A., Lüskow, F., Décima, M., Steinberg, D. K., and Pakhomov, E. A. Salp diel vertical migration patterns across the globe: investigating size- and stage-specificity against environmental cues. Poster presentation. Ocean Sciences Meeting, Online, March 2022.

Ibáñez, M. M., Gremion, G., Casado, M., Rabanal, V., Bergstedt, H., Therese Vance, G., Rosenbaum, P., **Bahl, A.** Participation of Early Career Researchers in Group Reviews of the IPCC Reports: Outcomes and Lessons Learned. Oral presentation. AGU Fall Meeting, New Orleans, LA, December 2021.

Bahl, A., and Hill, S. Approaches for Ecosystem Modelling: Ecopath. Oral presentation. ICED Krill Modelling Workshop, Online, May 2021.

Kristofer R. Covey, Soper, F.M, Bernardino, A.F., Pangala, S., Pagliaro, **Bahl, A.**, et al. Carbon and beyond: Interactive global change impacts on Amazon biogeochemical cycles. Poster presentation. AGU Fall Meeting, San Francisco, CA, December 2020.

Bahl, A., Gnanadesikan, A., and Pradal, M.-A. Scenario and model uncertainty in ocean biogeochemical response: Isolating the role of ocean lateral mixing. Poster presentation. Ocean Sciences Meeting, San Diego, CA, February 2020.

Bahl, A., Gnanadesikan, A., and Pradal, M.-A. Scenario and model uncertainty in ocean biogeochemical response: Isolating the role of ocean lateral mixing. Poster presentation. AGU Fall Meeting, San Francisco, CA, December 2019.

Bahl, A., Gnanadesikan, A., and Pradal, M.-A. Understanding the Impacts of Eddy Mixing on Biogeochemical Cycles in Earth System Models. Poster presentation. AGU Fall Meeting, Washington, DC, December 2018.

Pradal, M.-A., Gnanadesikan, A., and **Bahl, A.** Impacts of lateral mixing parameterization on physical and biogeochemical climate sensitivity. Oral presentation. AGU Fall Meeting, Washington, DC, December 2018.

Bahl, A., Gnanadesikan, A., and Pradal, M.-A. Impact of Parametrized Eddy Mixing on the Sensitivity of Ocean Biogeochemical Cycling to Doubled CO₂ Within an Earth System Model. Oral presentation. PICES 2018 International Symposium: The Climate Change Effects on the World Oceans, Washington, DC, June 2018.

Gnanadesikan, A., **Bahl, A.**, and Pradal, M.-A. Lateral mixing and ocean biogeochemical cycling. Poster presentation. Ocean Mixing, Gordon Research Conference: Towards a Global Representation of the Impact of Ocean Mixing Processes on Large Scale Circulation, Andover, NH, June 2018.

Bahl, A. A., Lüskow, F., Décima, M., Steinberg, D. K., and Pakhomov, E. A.. Impact of Parametrized Eddy Mixing on the Sensitivity of Ocean Biogeochemical Cycling to Doubled CO₂ Within an Earth System Model. Poster presentation. AGU Ocean Sciences Meeting, Portland, OR, February 2018.

FIELD EXPERIENCE

PS133/1 Alfred Wegener Institute, South Atlantic sector of the Southern Ocean. 1 Oct - 17 Nov

PROFESSIONAL LEARNING AND WORKSHOP PARTICIPATION

Sept 25 - 27, '23	Towards a global marine plankton observing network: development of a strategy and implementation plan Workshop <i>G7 FSOI – GOOS, Mercator Ocean International</i> Online
May 2 - 6, '22	Marine Species Distribution Modelling Workshop The Institute of Oceans and Fisheries, University of British Columbia Vancouver, BC
March 7 - 11, '22	Annual online workshop of the SCAR Krill Action Group <i>Scientific Committee on Antarctic Research (SCAR)</i> Online
March 9 - 10, '22	Arctic Ocean Convening <i>The National Geographic Society</i> Online
Aug 9 - 13, '21	ClimEco7 Summer School - Interdisciplinary ocean science for sustainable development Integrated Marine Biosphere Research (IMBeR) Online

May 17 - 20, '21	ICED Krill Workshop 2021 Integrating Climate and Ecosystem Dynamics in the Southern Ocean (ICED) Online
Apr 13 - Jun 4, '20	Certification: Writing in the Sciences <i>Stanford University</i> Online
Oct 23 - 25, '19	Certification: Strategies for Developing Effective Presentation Skills <i>American Management Association</i> Arlington, VA
Jun 18 - 19, '19	Monitoring Forests, Mobilizing Action <i>The Global Forest Watch Summit</i> Washington, DC
Apr 4, '19	<i>Report Launch</i> Ecology Meets Geopolitics: Water Security in Himalayan Asia <i>Atlantic Council</i> Washington, DC

PROFESSIONAL ASSOCIATIONS

Sept '23 - Present	Joint Exploration of the Twilight Zone Ocean Network (JETZON)
March '23 - Present	Marine Biodiversity Observation Network (MBON)
Sept '22 - Present	Southern Ocean Carbon and Climate Observations and Modeling (SOCCOM)
Jan '21 - Present	Integrating Climate and Ocean Ecosystem Dynamics (ICED) Scientific Committee on Antarctic Research Krill Expert Group (SKEG)
Oct '20 - Present	Interdisciplinary Marine Early Career Network (IMECaN) Integrated Marine Biosphere Research (IMBeR)
Feb '20 - Present	Association of Polar Early Career Scientists (APECS)
May '19 - Present	Deep-Sea Biology Society
Sep '17 - Present	American Geophysical Union
Sep '17 - Present	The Oceanography Society
Sep '17 - Present	Young Earth System Scientists Community

EXTRACURRICULAR ACTIVITIES

Jan '23 - Present	Zooplankton Reading Group
Sept '22 - Present	SOCCOM Community Hour
Oct '21 - Apr '22	Undergraduate Research Opportunities (REX) Mentor

Sept '21- Present	Southern Ocean Decade Working Group #2 Member
Feb '21 - Present	 Integrating Climate and Ecosystem Dynamics in the Southern Ocean (ICED) Working Group Member ICED Krill Workshop 2021 organizer, presenter, and moderator
Sept '20 - Sept '21	 Association of Polar Early Career Scientists (APECS) Council Member IASC Fellowship Review Working Group member IPCC AR6 WGII Chair (chapter 16) and reviewer (chapter 16 and chapter 3)
Dec '20 - June '21	Climate Emergency Council
Sept '20 - March '21	 Graduate Council Sustainability council member Buddy program - new graduate student
May '19 - Dec '20	Deep-Sea Biology Society -Mentoring network
Jan – May '19	National Geographic Society -Events volunteer
Oct – Dec '18	American Geophysical Union -Maryland Congressional Visit lead -Mentoring365
Oct '17 – May '18	TriBeta Biological Honors Society -Graduate mentorship
Sep – Dec '17	Johns Hopkins University -Capitol Hill volunteer
Jan – Feb '16	Tataa Kids Orphanage and Education Center -Community development and English teaching
Oct – Nov '15	WWOOF, Sweden -Farm hand
Nov '14 – Jun '15	Paws Animal Shelter -Dog walking and general office assistance