

Wokil Bam

Curriculum Vitae

Geochemist/Radiochemist

Department of Marine Chemistry and Geochemistry

Woods Hole Oceanographic Institution

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RESEARCHINTERESTS

Biological pump, carbon dynamics and particle dynamics, utilization of artificial and natural radioisotopes to study environmental process, sediment geochemistry and chemical processes at sediment-water interface, climate, environmental change, and carbon dioxide removal.

EDUCATION

- Ph.D. Geochemistry - Chemical Oceanography,*** May 2021
Department of Oceanography and Coastal Sciences
Louisiana State University (LSU), Baton Rouge, LA
- GIS Graduate Certificate,*** Dec 2018
Department of Geography and Anthropology,
Louisiana State University (LSU) Baton Rouge, LA
- Master of Science, Oceanography and Coastal Science,*** Aug 2015
Department of Oceanography and Coastal Science
Louisiana State University, Baton Rouge, LA
- Bachelor of Science,*** Dec 2012
Environmental Science (Major), Chemistry (Major), Biology (Minor)
Southwest Minnesota State University (SMSU), Marshall, MN

WORK AND RESEARCH EXPERIENCE

- Postdoctoral Scholar – Center for Marine & Environment Radioactivity** June 2021 - Present
Department of Marine Chemistry and Geochemistry, WHOI
- Guest Investigator** April 2021 – May 2021
Department of Marine Chemistry and Geochemistry, WHOI
- Research Assistant** 2015-21
Marine Chemistry Lab, Department of Oceanography, LSU
- Instructor** Fall 2020
Department of Oceanography and Coastal Science, LSU
- Research Intern- Marine Carbon Cycle** 2019-20
Radioecology Lab, International Atomic Energy Agency (IAEA), Monaco
- Research Assistant** 2013- 15
AgCenter, Department of Entomology, LSU
- GIS Intern** 2012
Lyon County Environmental Office, Marshall, MN

TEACHING EXPERIENCE

OCS 3103 – Instructor: Global Environmental Cycle (Biogeochemical Cycles)	Fall 2020
OCS 2020 - Teaching Assistant (Field and Lab Methods), LSU	2017-2018
OCS 4550 - Teaching Assistant (Biological Oceanography), LSU	Spring 2016
OCS 4126 - Teaching Assistant (Chemical Oceanography), LSU	Fall 2015
PHYS 181 - Physics Tutor, SMSU	Fall 2012
ENVS 115 - Volunteer Teaching and Mentoring of K12 students	2011-2012

AWARDS AND HONORS

<i>Center for Marine and Environmental Radioactivity Postdoctoral Scholar</i> Woods Hole Oceanographic Institution, Woods Hole, MA	2021
<i>CCE Outstanding Dissertation Award</i> , College of Coast and Environment, LSU, Baton Rouge, LA	2021
<i>LSU Open Access Author Fund</i> , Library, Louisiana State University,	2021
<i>NSF Dissertations Symposium in Chemical Oceanography (DISCO XXVII)</i> University of Hawaii, National Science Foundation	2020
<i>LSU Leadership Fall 2020 Cohort</i> , Campus Life, Louisiana State University	2020
<i>Dr. Theodore B. “Ted” Ford, III Memorial Fellowship</i> College of Coast and Environment, LSU Baton Rouge, LA	2020
<i>Ocean Science Meeting Registration Grant</i> , Association for the Science of Limnology and Oceanography (ASLO) Waco, TX	2020
<i>Dean’s Outstanding Student Service Award</i> , College of Coast and Environment, LSU, Baton Rouge, LA	2019
<i>Scientific Teaching (ST) Fellow 2018-2019</i> , Summer Institutes on ST. Yale Center for Teaching and Learning. New Haven, CT	2018
<i>1st Position Award Poster Presentation</i> , Gulf of Mexico GSS, March 2-4, Dauphin Island Sea Lab, AL	2018
<i>Outstanding Student Paper Award</i> , American Geophysical Union (AGU), Fall Meeting 2017, New Orleans, LA	2017
<i>Best Paper Award – General Conservation (Olin et al., 2017)</i> , Louisiana Association of Professional Biologists, Lafayette, LA	2016
<i>Gulf of Mexico Research Initiative (GoMRI) Scholar</i> , Gulf of Mexico University Research Collaborative Board, Petersburg, FL	2014

Travel Award

<i>Graduate School Dean’s Travel Award</i> , (ASLO Meetings \$500) Graduate School, LSU, Baton Rouge, LA	2019
<i>Graduate School Dean’s Travel Award</i> , (ASLO Meetings \$1500) Graduate School, LSU, Baton Rouge, LA	2017
<i>Graduate Student Travel Award</i> (ASLO Meetings \$300) Graduate Student Association, LSU Baton Rouge, LA	2017
<i>Graduate Student Travel Award</i> (Oil Spill Conference \$250) Graduate Student Association, LSU Baton Rouge, LA	2015
<i>CEGO Travel Grant</i> (ASLO Meetings and Oil Spill Conference, \$200 each)	2015, 2017

Coast & Environment Graduate Organization, LSU, Baton Rouge, LA
Student Presenter Award (Oil Spill and Ecosystem Science Conferences, \$350 each) 2015, 2016
Gulf of Mexico University Research Collaborative, Petersburg, FL

Undergraduate Scholarships and Honors

Arthur J. and Elaine I. Kronke Scholarship. SMSU, Marshall, MN 2012
Dean's List, SMSU, Marshall MN 2011-2012
Ambassador Scholarship Admissions Office. SMSU, Marshall, MN 2011-2012

PUBLICATIONS

1. **Bam W.**, Swarzenski, P.W., Maiti, K., Vasileva-Veleva, E., Maria-Orani, A., Blinova, O., McGinnity, P., Adhikari, P.L., Haughton, M., Webber, M., 2022. Scavenging of select radionuclides and trace elements by pelagic Sargassum in the Caribbean Sea. *Marine Pollution Bulletin*, 179, 113658
2. Baskaran, M., Krupp, K., **Bam, W.**, Maiti, K., 2022. Climate change impacts to the Arctic Ocean revealed from high resolution GEOTRACES ^{210}Po - ^{210}Pb - ^{226}Ra disequilibria studies. *Journal of Geophysical Research Oceans*. e2021JC018359
3. Adhikari, P.L., **Bam, W.**, Campbell, P.L., Oberhaensli, F., Besson, Metian, M., M., Jacob, H., Swarzenski, P.W., 2022. Evaluating Microplastic Experimental Design and Exposure Studies in Aquatic Organisms. In: Bank M.S. (eds) *Microplastic in the Environment: Pattern and Process*. Environmental Contamination Remediation and Management. Springer, Cham.
4. **Bam, W.**, Teyssie, J.L., Metian, M., Oberhaensli, F., Maiti, K., Warnau, M., Swarzenski, P.W., 2021. An experimental approach to assess the post-depositional mobility of ^{134}Cs . *Journal of Environmental Radioactivity*, 240. 106753
5. **Bam, W.**, Maiti, K., Baskaran, M., 2021. ^{210}Po and ^{210}Pb as Tracers of Particle Export and Cycling in the Western Arctic Ocean, *Frontier in Marine Science*, 8:697444.
6. Prasad, A., Sahu, S.P., Stofela, S.K.F., Chaichi, A., Hasan, S.M.A., **Bam, W.**, Maiti, K., McPeak, K.M., Liu, G.L., and Gartia, M.R., 2021. Printed Electrode for Measuring Phosphate in Environmental Water. *ACS Omega*, 6: 11297-11306
7. **Bam, W.**, and Maiti, K., 2021. ^{210}Po - ^{210}Pb distribution and carbon export in the northern Gulf of Mexico continental slope. *Deep Sea Research I*, 172, 103535
8. Cresswell, T., Metian, M., Fisher, N., Charmasson, S., Hansman, R., **Bam, W.**, Bock, C., Swarzenski, P.W., 2020. Exploring new frontiers in marine radioisotope tracing – adapting to new opportunities and challenges. *Frontiers in Marine Science* 7:406
9. **Bam, W.**, Maiti, K., Baskaran, M., Krupp, K., Lam, P.J., Xiang, Y., 2020. Variability in ^{210}Pb and ^{210}Po partition coefficients (Kd) along US GEOTRACES Arctic transect. *Marine Chemistry* 219: 103749

10. Adhikari, P.L., Maiti, K., **Bam, W.**, 2019. Fate of particle-bound polycyclic aromatic hydrocarbons in the river-influenced continental margin of the northern Gulf of Mexico. *Marine Pollution Bulletin* 141: 350-362
11. **Bam, W.**, Hooper-Bui, L., Strecker R., Adhikari, P.L., and Overton, E.B., 2018. Coupled effects of Oil Spill and Hurricane on Saltmarsh terrestrial arthropods in coastal Louisiana. *PLOS ONE* 13(4): e0194941.
12. Adhikari, P.L., Shrestha, S., **Bam, W.**, Xie, L. and Perschbacher, P. 2017. Evaluation of spatial temporal variations of water quality and plankton assemblages and its relationship to water use in Kulekhani Multipurpose Reservoir, Nepal. *Journal of Environ. Protection* 8(11): 1270-1295.
13. Olin, J.A., Bergeon-Burns C.M., Woltmann, S., Taylor, S.S., Stouffer, P.C., **Bam, W.**, Hooper-Bui, L.M., and Turner, ER., 2017. Seaside Sparrows reveal contrasting food web responses to large-scale stressors in coastal Louisiana saltmarshes. *Ecosphere* 8(7): e01878.

Manuscript in Review (All manuscripts available upon request)

Bam, W., Gasser, B., Maiti, K., et al., Particulate Organic Carbon Export in the Oxygen Minimum Zone off the Peruvian Coast. (Under Review: Marine Chemistry)

Bam, W., Maiti, K., Bentley, S., Lehrter, J., Hurricane driven sediment deposition and remobilization in the northern Gulf of Mexico. (In Prep: Scientific Report)

Maiti, K., Ebner, B., Krause, J., **Bam, W.**, Lehrter, J., Cai, W., Variability in benthic silica fluxes in the river influenced continental shelf of NGOM. (Journal of Geophysical Research)

Clevenger, S., Buesseler, K., Benitez-Nelson, C., Roca-Marti, M., Wyatt, A., Pike, S., Kenyon, J., **Bam, W.**, Resplandy, L., Estapa, M., High-resolution spatial and temporal measurements of particulate organic carbon flux using thorium 234 in the North Atlantic Ocean during the EXport Processes in the Ocean from RemoTe Sensing field campaign. (In Prep: Marine Chemistry).

INVITED TALKS

1. **Bam, W.**, 2021. ^{210}Po - ^{210}Pb Dynamics and Particle Export in the Western Arctic Ocean. Marine Chemistry and Geochemistry Department Virtual Seminar, WHOI. Aug 24th.
2. **Bam, W.**, Maiti, K., and Adhikari, P.L., 2018. PAHs accumulation rate in the northern Gulf of Mexico: before and after 2010 Deepwater Horizon Oil Spill. NOAA Webinar. June 7th.
3. **Bam, W.**, 2017. Active Learning- making the most of a college experience through research. 12th Annual Undergraduate Research Conference, November 29, SMSU, Marshall, MN (**Keynote Speaker for the conference**).

CONFERENCE ABSTRACTS/PRESENTATIONS (*Presenting Author)

1. **Bam, W***, Gasser, B., Masque, P., Buesseler, K., Kiko, R., 2023. Particulate Carbon Export using ^{234}Th - ^{238}U disequilibrium along the Atlantic Equatorial line. ALSO Aquatic Sciences Meeting, Palma De Mallorca, Spain, June 4-9, 2023 (Accepted).
2. Karthausser, C*, **Bam, W.**, Ceballo-Romero, E., Clevenger, S.J., Fucile, P., Martocello, D., Pike, S., Wankel, S., Sievert, S., Buesseler, K., 2023. Linking individual particle properties and remineralization rates with large-scale carbon fluxes. ALSO Aquatic Sciences Meeting, Palma De Mallorca, Spain, June 4-9, 2023 (Accepted).
3. Clevenger, S*, **Bam, W.**, Benitez-Nelson, C., Buesseler, K., Roca-Marti, M., 2023. Quantifying carbon export and remineralization during a North Atlantic spring bloom on multiple timescales using ^{234}Th - ^{238}U and ^{210}Po - ^{210}Pb disequilibria. ALSO Aquatic Sciences Meeting, Palma De Mallorca, Spain, June 4-9, 2023 (Accepted).
4. Clevenger, S*, Buesseler, K., **Bam, W.**, Benitez-Nelson, C., Kenyon, J., Pike, S., Roca-Marti, M., 2022. Quantifying carbon export and remineralization during a spring bloom using ^{238}U - ^{234}Th disequilibrium in the EXPORTS Program. AGU Fall Meeting, Chicago, IL, December 12-16, 2022.
5. Ceballos-Romero, E*, Buesseler, K., Kiko, R., Drago, K., **Bam, W.**, Clevenger, S., Karthausser, C., Tradd, K., Picheral, M., 2022. IMOS – Imaging Ocean Sinkers for evaluating carbon export fluxes: a glimpse at first results. Gordon Research Conference on Ocean Biogeochemistry, Castelldefels, Spain May 1-6, 2022
6. **Bam, W***, Maiti, K., Baskaran, M., 2021. ^{210}Po and ^{210}Pb as Tracers of Particle Export and Cycling in the Western Arctic Ocean. ASLO 2021 Aquatic Sciences Virtual Meeting, June 22 -27, 2021
7. **Bam, W***, Hansman, R., Gasser, B., Swarzenski, P., 2020. Seasonal carbon remineralization in the Mediterranean Sea: Results from a paired-radioisotopic approach. Ocean Science Meeting, Feb 16- 21, San Diego, CA.
8. **Bam, W***, Maiti, K., Bentley, S., Lehrter, J., 2019. Hurricane driven sediment deposition and remobilization in the northern Gulf of Mexico. CERF conference, Nov 3-7, Mobile, AL.
9. Price, A*, Turner, E.R., Rabalais, N., **Bam, W.**, and Maiti, K., 2019. Dinoflagellate cysts distinguish between nutrients pollution and climatic variability in the Gulf of Mexico ‘dead zone’. European Geosciences Union General Assembly, 2019. April 7-12. Vienna Austria.
10. **Bam, W***, Maiti, K., Baskaran, M., Krupp, K., 2019. Influence of particle concentration and composition on the distribution of ^{210}Po and ^{210}Pb along US GEOTRACES Arctic transect. ASLO Aquatic Sciences Meeting, February 23—March 2, San Juan, PR.
11. Maiti, K*, **Bam, W.**, Lehrter, J.C., et al., 2018. Impact of named tropical storms on sediment transport and coastal biogeochemistry along the Louisiana-Texas shelf in the northern Gulf of Mexico. 2018 American Geophysical Union Fall Meeting, December 10 – 14.

Washington, D.C.

12. **Bam, W***, Maiti, K., and Adhikari, P.L., 2018. PAHs accumulation rate in the northern Gulf of Mexico: before and after 2010 Deepwater Horizon Oil Spill. Gulf of Mexico Graduate Student Symposium 2018. March 2nd – 4th. Dauphin Island Sea Lab, AL.
13. Lehrter, L*, Cai, W. J., Chen, B., Zongpei, J., Maiti, K., **Bam, W.**, et al., 2018. Hurricane impacts on coastal carbon and oxygen cycling. 2018 Ocean Science Meeting, February 11-16. Portland, OR.
14. Maiti, K*, Adhikari, P., and **Bam, W.**, 2017. Quantifying Polycyclic Aromatic Hydrocarbons (PAHs) distribution and accumulation in coastal Louisiana using natural radioisotope tracers. 253rd American Chemical Society, National Meeting and Exposition, April 2-6, San Francisco, CA.
15. **Bam W***, Maiti, K., 2017. Measurement of ²²³Ra, ²²⁴Ra and ²²⁸Th in coastal Louisiana water column and sediments: Implications for solute transfer across the sediment-water interface. Gulf of Mexico Graduate Student Symposium, CEGO LSU, March 17-19, Cocodrie, LA.
16. **Bam, W***, Krupp, K., Maiti, K., and Baskaran, M., 2017. Lead-210 and Polonium-210 Disequilibria along the US Arctic GEOTRACES Section. ASLO Aquatic Sciences Meeting, February 26 -March 3, Honolulu, HI.
17. **Bam, W***, Hooper-Bui, L., Strecker R., Adhikari, P., and Overton, E.B., 2017. Coupled effects of Oil Spill and Hurricane on Saltmarsh Terrestrial Arthropods. Gulf of Mexico Oil Spill & Ecosystem Science Conference, February 6-9, New Orleans, LA
18. **Bam, W***, Maiti, K., and Ghaisas, N.A., 2016. ²²⁴Ra: ²²⁸Th disequilibrium in sediments as a tracer for solute across sediment-water interface in Coastal Louisiana. Ocean Science Meeting. February 21-26, New Orleans, LA.
19. **Bam, W***, Hooper-Bui, L., and Strecker R., 2015. Impacts of oil pollution on the terrestrial arthropods in Louisiana Saltmarshes: 2013 & 2014. Gulf of Mexico Oil Spill & Ecosystem Science Conference, February 16-19, Houston, TX.
20. Olin, J.A*, Bergeon-Burns, C.M., **Bam, W.**, Stouffer P.C., and Taylor, S.S., 2015. Intra-specific differences in the food resources used by Seaside Sparrow (*Ammodramus maritimus*): a consequence of prey availability? Gulf of Mexico Oil Spill & Ecosystem Science Conference, February 16-19, Houston, TX.
21. Olin, J.A*, Bergeon-Burns C.M., **Bam, W.**, Hooper-Bui, L., Stouffer P.C., and Taylor, S.S., 2014. Stable isotopes reveal intra-specific differences in the food webs utilized by Seaside Sparrows (*Ammodramus maritimus*). ASLO, May 18-23 Portland, OR.
22. **Bam, W***, Hooper-Bui, L., Stouffer, P.C., Taylor, S.S., Bergeon-Burns, C.M., 2014. Determining the sources and the availability of food for the Seaside Sparrow in oiled and

reference Louisiana Saltmarshes. Gulf of Mexico Oil Spill & Ecosystem Science Conference, Jan 26-29, Mobile, AL.

23. **Bam, W*.**, 2012. Sodium Analysis in Redwood River Water in Southwest Minnesota. 7th Annual Undergraduate Research Conference (URC), December 5, SMSU, Marshall, MN.
24. **Bam, W*.**, 2012. Study of Seasonal Variations in Water Quality and Vegetation in a Shallow Wetland at Independence Park, Marshall, MN. Minnesota State Colleges and Universities Undergraduate Research Conference of Scholarly and Creative Activity. April 22-23, Mankato, MN
25. **Bam, W*.**, 2010. Study of Seasonal Variations in Water Quality and Vegetation in a Shallow Wetland at Independence Park, Marshall, MN. 5th Annual URC, December 1, SMSU, Marshall, MN

INSTRUMENTATION AND COMPUTER SOFTWARES

- Alpha Spectroscopy PIPS Detector (Canberra, ORTEC), Gamma Germanium Array Detector, Radium Delayed Coincidence Counter (RaDeCC), Atomic Absorption Spectrometer, IR Spectroscopy, Mass Spectrometer, Various Oceanographic field instruments and data loggers, RISO Beta Detector
- ArcGIS, GIS/GPS field survey data extraction and mapping, Remote Sensing, Minitab, SAS, Ocean Data View, SeaDAS, Matlab, ERDAS IMAGINE
- CTD, Large Volume McLane Pump and Filters, Sediment Traps, Benthic Chamber/Profiler

FIELD EXPERIENCES

Research Cruises

- *R/V Roger Revelle* (Dec 1st, 2022 – Jan 25th, 2023) – US GEOTRACES OCE- GP17
- *R/V Endeavor* (Aug 5th – Aug 19th, 2022) – WHOI Ocean Twilight Zone Program
- *R/V Meteor* (April 17th- May 28th, 2022) - The Transatlantic Equatorial Cruise II
- *R/V Armstrong* (June 7th – June 13th, 2021) – Ocean Twilight Zone
- *RSS Discovery* (May 1- June 2, 2021) – EXPORTS -NASA/NSF
- *R/V Pelican* (July 6-21, Sept 28- Oct 11, 2017, Jan 17-26, Aug 13 – 22, 2018) – Ocean Acidification (NSF)
- *R/V Pelican* (Aug 27 – Sept 5, 2016, May 4 - 13, 2017) – Si cycle in nGOM Cruise (NSF)
- *R/V Pelican* (Aug 20-23, 2015) Hypoxia Sampling (NOAA).
- *R/V Pelican* (July 7-10, 2014), CARTHE, Pelagic Sampling (GoMRI).
- *R/V Acadian* (August 19- 23, 2013) GoMRI

Field Work

- Sediment core collection, Sediment profiling, Sediment-Water Interface Profiling, Sediment Pore water extraction.
- Surface Tethered Trap (STT), McLane Sediment Trap (time series).
- Research cruise planning and leading.
- Oceanographic field instrument deployment and recover.

TRAINING AND WORKSHOPS

Ocean Carbon Biogeochemistry Summer Science Workshop

Ocean Carbon & Biogeochemistry Project Office, WHOI June 20-23, 2022.

Coordinated Research Project Meeting/Workshop: Applied Radioecological Tracers to Assess Coastal and Marine Ecosystem Health Workshop.

International Atomic Energy Agency (IAEA), Environment Laboratories, Monaco, November 25- 27 2019

Marine Radiochemistry Training Workshop.

University of Puerto Rico, San Juan, PR February 20-22, 2019

Scientific Teaching, Summer Institutes on Scientific Teaching,

Yale Center for Teaching and Learning, Organized at LSU July 16-20, 2018

Grant/Proposal Writing Workshop, Coast and Environment Graduate Organization,

LSU, Baton Rouge, LA, March 23, 2017

Connection Story-Maker Workshop, Department of Oceanography and Coastal Science, LSU,

Baton Rouge, LA, February 7-8, 2014

LEADERSHIP AND VOLUNTEERING

Leadership

<i>President, Coast and Environment Graduate Organization (CEGO), LSU</i>	2017 - 2018
<i>Senator, Graduate School, Student Government, Louisiana State University</i>	2017 - 2018
<i>Secretary, Nepalese Student Association, LSU</i>	2014 - 2015
<i>Secretary, Coast and Environment Graduate Organization (CEGO), LSU</i>	2016 - 2017
<i>Education and Outreach Committee Chair, CEGO, LSU</i>	2013 - 2014
<i>University Ambassador, SMSU Admissions Office</i>	2009 - 2012
<i>President, Lions Club, Southwest Minnesota State University (SMSU)</i>	2010 - 2011
<i>Member, Homecoming Planning and Organizing Committee, SMSU</i>	2010 - 2012
<i>Event Coordinator, International Student Organization, SMSU</i>	2010 - 2011
<i>Vice President, BACCHUS Club, SMSU</i>	2009 - 2010
<i>Lifetime Member, National Society of Leadership and Success</i>	Inducted 2009

Volunteering

<i>Judge, LSU Discover Day. LSU Undergraduate Research Program April 9th</i>	2019
<i>Judge, LSU Undergraduate Research Conference, October 26th</i>	2018
<i>Organizer, Gulf of Mexico, Graduate Student Symposium</i>	2017
<i>Judge, Science Fair, MSA-East Academy, St. Gabriel, LA, Nov 4th</i>	2016
<i>Volunteer for Ocean Science Meeting, ASLO, AGU, New Orleans, February</i>	2016
<i>Judge, Louisiana Science and Engineering Fair (Junior and Senior Division)</i>	2014

MENTORSHIP

<i>Samantha Schwippert – MS Student LSU – Mentoring – Committee Member</i>	2022 - Present
<i>Jocelyn Forsman -Undergraduate Mentoring, Marine Geochemistry Lab, LSU</i>	2017 - 2018
<i>Sediment characterization, Particulate Organic Matter, grain size analysis</i>	

Jack Green, Undergraduate Mentoring, Marine Geochemistry Lab, LSU 2017 - 2018
Gamma Germanium Array Detector, Sediment characterization,
Janay Thomas, High School Student- Mentored through LSU Chapter of 2014 - 2015
Environ-Mentors, NCSE, *Washington, DC*, High School Student Mentoring
Program Conducted a science project, and assisted with scientific presentation
Mentor Redwood River Monitoring, SMSU, 2010 - 2012
Middle and High School students for river monitoring and water quality analysis

PROFESSIONAL SERVICE

Manuscript Reviews

- Deep Sea Research Part II (2019, 2022)
- Journal of Environmental Radioactivity (2020)
- Estuarine, Coastal and Shelf Science (2020, 2021)
- Marine Chemistry (2020, 2023)
- Frontier in Marine Science (2021)
- Limnology and Oceanography (2021)
- National Science Foundation (NSF) – Scientific Proposal Review (2021)
- Earth and Planetary Science Letters (2022)
- Earth System Science Data (2022)
- Chemical Geology (2023)

PROFESSIONAL MEMBERSHIPS

- Association for the Sciences of Limnology and Oceanography (ASLO)
- The Oceanography Society (TOS)
- American Geophysical Union (AGU)
- Society of Wetland Scientists (SWS)
- Geochemical Society (GS)
- Coastal and Estuarine Research Federation (CERF)