

Emerson Conrad-Rooney, Ph.D.

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EDUCATION

Boston University, Boston, MA, Ph.D. in Biology, *August 2026*, Graduate Program in Urban Biogeoscience and Environmental Health (BU URBAN Trainee), Biogeoscience Certificate Program, GPA: 4.0.

Wellesley College, Wellesley, MA, B.A. 2020, *cum laude*, major in Biological Sciences with Departmental Honors, minor in Environmental Studies, GPA: 3.65

Harvard Forest Summer Research Program in Ecology (REU), Petersham, MA, Summer 2019

Marine Biological Laboratory, Ecosystems Center, Woods Hole, MA, Semester in Environmental Science Program, *Fall 2018*, GPA: 3.75

PROFESSIONAL APPOINTMENTS AND RESEARCH EXPERIENCE

Postdoctoral Associate, Cary Institute of Ecosystem Studies, Millbrook, NY, Aug. 2026-present

- Work with advisor Elizabeth Cook on urban forest ecology research projects
- Investigate impacts of urban tree planting practices in the New York City Million Trees Project long-term study
- Assess above- and belowground growth and survivorship of woody and herbaceous plants

Intern, U.S. Global Change Research Program and ICF, Washington, DC (remote internship), *November 2022 – April 2023*

- Completed internship as part of Boston University Graduate Program in Urban Biogeoscience and Environmental Health (BU URBAN)
- Reviewed nature-related content in Third Order Draft of Fifth U.S. National Climate Assessment (NCA5)
- Shared feedback via public comments and internal memos to NCA5 and U.S. National Nature Assessment (NNA1) leadership
- Invited to present feedback at NNA1 Federal Steering Committee meeting and NCA5 All Author Meeting
- Presented findings at the American Geophysical Union (AGU) and Ecological Society of America (ESA) annual meetings and wrote an invited publication in the journal *Climatic Change*, Special Issue: Advancements in U.S. Climate Assessments

Lab Manager/Senior Research Technician, Templer Lab, Boston University, Boston, MA, *June 2020 – August 2021*

- Managed research projects evaluating the effects of climate change and urbanization on forest biogeochemistry, including electrical system management and data communication across institutions for long-term Climate Change Across Seasons Experiment (CCASE)
- Supervised students processing leaf litter samples, managed lab budgets, ordered supplies, and conducted long-term data file management
- Wrote code to make R Shiny Dashboard website (<https://ccase.bu.edu/>) to show real time soil temperature and moisture data from CCASE

Undergraduate Research Assistant in Templer Lab, Boston University, Boston, MA, *Spring 2019 – Spring 2020*

Botanic Gardens Assistant, Wellesley College Botanic Gardens, Wellesley, MA, Fall 2019 – Spring 2020

Undergraduate Research Assistant in Matthes Ecolab, Wellesley College, Wellesley, MA
Fall 2016 – Spring 2020

Undergraduate Research Assistant, Hubbard Brook Experimental Forest, Woodstock, New Hampshire, Summer 2018

PUBLICATIONS IN PEER-REVIEWED JOURNALS

Conrad-Rooney E, AB Reinmann, PH Templer. 2025. Declining winter snowpack offsets carbon storage enhancement from growing season warming in northern temperate forest ecosystems. *Proceedings of the National Academy of Sciences*, 122:e2412873122. <https://doi.org/10.1073/pnas.2412873122>.

*Covered in over 250 media outlets, including the [Boston Globe](#) and the American Geophysical Union (AGU)'s [Eos Magazine](#)

Conrad-Rooney E, C Avery, G Bowser, A Crimmins, A Grade, P McElwee, and P Templer. 2025. Analysis of nature-related themes and terminology in U.S. climate assessments. *Climatic Change*, Special Issue: Advancements in U.S. Climate Assessments, 178:86. <https://doi.org/10.1007/s10584-025-03899-3>.

Templer P, KF Atherton, **E Conrad-Rooney**, H Ho, LR Hutya, CF Ianniello, DR Kashian, JI Levy, D Meshoulam, MC Urban. 2023. Strengthening graduate education and addressing environmental challenges through solutions-oriented partnerships and interdisciplinary training. *Sustainable Earth Reviews*, 7(3). <https://doi.org/10.1186/s42055-024-00074-x>.

Tatsumi C, KF Atherton, SM Garvey, **E Conrad-Rooney**, LL Morreale, LR Hutya, PH Templer, and JM Bhatnagar. 2023. Urbanization and edge effects interact to drive mutualism breakdown and the rise of unstable pathogenic communities in forest soil. *Proceedings of the National Academy of Sciences*, 120 (36): e2307519120. <https://doi.org/10.1073/pnas.2307519120>.

Conrad-Rooney E, J Gewirtzman, Y Pappas, VJ Pasquarella, LR Hutya, and PH Templer. 2023. Atmospheric wet deposition in urban and suburban sites across the United States. *Atmospheric Environment*, 305. <https://doi.org/10.1016/j.atmosenv.2023.119783>.

Conrad-Rooney E, A Barker-Plotkin, VJ Pasquarella, J Elkinton, JL Chandler, JH Matthes. 2020. Defoliation severity is positively related to soil solution nitrogen availability and negatively related to soil nitrogen concentrations following a multi-year invasive insect irruption. *AoB PLANTS*, 12:6. <https://doi.org/10.1093/aobpla/plaa059>.

OTHER PUBLICATIONS

Conrad-Rooney E. 2020. Defoliation severity is positively related to soil solution nitrogen availability and negatively related to soil nitrogen concentrations following a multi-year invasive insect irruption. *Wellesley College Repository*, Senior Honors Thesis in Biological Sciences.

Bloemendaal LH, J Wright, **E Conrad-Rooney**, A Tendler. 2021. POV: Takeaways, Hopes, and Disappointments from COP26: Four BU grad students who attended the Glasgow conference virtually reflect on what they learned. *BU Today*, Boston University, Boston, MA. <https://www.bu.edu/articles/2021/pov-takeaways-hopes-and-disappointments-from-cop26/>.

ACADEMIC HONORS AND AWARDS

- Long Term Ecological Research (LTER) Synthesis Skills for Early Career Researchers, selected as participant, *Fall 2026*
- Boston University Biogeoscience Symposium Presentation Award, Boston, MA, *Spring 2025*
- American Association for the Advancement of Science 2025 Graduate Student E-Poster Competition in the Environment and Ecology category winner, Boston, MA, *Spring 2025*
- Ecological Society of America (ESA) Biogeosciences Section New Phytologist Innovation Grant for a Graduate Student Presentation, Long Beach, CA, *Summer 2024*
- ESA Katherine S. McCarter Graduate Student Policy Award, *Spring 2024*
- Adelaide Niles Belyea Prize in Botany, Wellesley College, Wellesley, MA, *Spring 2020*
- Marine Biological Laboratory Associates Award “in recognition of excellence in independent research,” Woods Hole, MA, *Fall 2018*

FELLOWSHIPS / SCHOLARSHIPS / GRANTS

- National Science Foundation Graduate Research Fellowship (\$102,000), *Sept. 2023-Aug. 2026*
- BU Biology Department Travel Grants, Boston, MA (\$1049), *Spring 2023 and 2024, Fall 2025*
- Boston University Graduation Student Organization Conference Grant (\$1000), *Summer 2025*
- ESA Long-term Studies Section JT Callahan Memorial Student Travel Award (\$400), *Summer 2025*
- BU Biogeoscience Travel Grants, Boston, MA (\$515), *Spring 2022 and 2024*
- American Geophysical Union Student Travel Grant (\$1,000), *Fall 2023*
- BU URBAN NSF NRT Stipends (\$51,004) and Travel Awards (\$2,000), *Fall 2022-Summer 2023*
- Dean’s Fellowship (\$12,260), Biology Department, Boston University, Boston, MA, *Fall 2021*
- Youth Environmental Alliance in Higher Education (YEAH) Fellow (\$6,500), *Fall 2020-Spring 2021, Spring 2022*
- Thoreau Scholar for the Environment, Henry David Thoreau Foundation (\$20,000), Somerville, MA, *Fall 2016-Spring 2020*

INVITED PRESENTATIONS

Conrad-Rooney E. “Impacts of Climate Change on Forest Ecosystems in the Northeastern U.S.” Invited Spotlight on Science speaker at Hubbard Brook Research Foundation Meeting of the Board of Trustees, North Woodstock, NH (virtual), *April 23, 2026*.

Conrad-Rooney E, E Daily, Y Chua. “The Importance of Trees for Climate and Health.” Invited speaker for Coolidge Classroom Science on Screen event, Coolidge Corner Theater, Brookline, MA, *March 17 and 18, 2026*.

Conrad-Rooney E. “Atmospheric Wet Deposition in Urban and Suburban Sites Across the United States.” Invited speaker for Carbone and Richardson Lab Meeting, Northern Arizona University, Flagstaff, AZ (virtual), *February 25, 2026*.

Conrad-Rooney E. “Interacting Effects of Growing Season and Winter Climate Change on Forest Carbon Sequestration.” Invited speaker for Zoom talk series for Lincoln Land Conservation Trust, Lincoln, MA (virtual), *February 11, 2025*.

Conrad-Rooney E. “Nature in National Climate Assessments.” Climate, Biogeoscience, and Health: Transformative Science to Real-World Action Symposium, Boston University, Boston, MA, *December 6, 2024*.

Conrad-Rooney E. “Nature in National Climate Assessments.” Boston University Graduate Program in Urban Biogeoscience and Environmental Health, Boston University, Boston, MA, *May 22, 2024*.

Conrad-Rooney E. “Out in the Forest: Investigating Northeastern Forests and Climate Change.” Invited guest scientist lecture for Pride Month Series, Museum of Science, Boston, MA, *June 17, 2023*.

Conrad-Rooney E. “One Health, One Planet.” Boston University College of Arts and Sciences, New York City, NY (talk at fundraising dinner), *May 8, 2023*.

Conrad-Rooney E, A Bailey, P Templer. “Climate Change Across Seasons Experiment: Effects of Warmer Growing Seasons and Smaller Winter Snowpack on Northern Hardwood Forest Phenology.” Hubbard Brook Quarterly Meeting, North Woodstock, NH (virtual), *April 13, 2023*.

Conrad-Rooney E. “Review of Nature-Related Topics in the 5th National Climate Assessment.” 5th National Climate Assessment All Author Meeting, Washington, DC, *April 3, 2023*.

Conrad-Rooney E. “A Review of Nature in the 5th National Climate Assessment: Informing the National Nature Assessment.” National Nature Assessment Federal Steering Committee Meeting, Washington, DC (virtual), *March 27, 2023*.

Conrad-Rooney E, A Reinmann, P Templer. “Climate Change Across Seasons Experiment: Response of Tree Growth.” Annual Harvard Forest Ecology Symposium, Harvard Forest, Petersham, MA, *October 12, 2022*.

CONTRIBUTED CONFERENCE PRESENTATIONS

Conrad-Rooney, E, A Reinmann, P Templer. “Effects of Growing Season Warming and Winter Soil Freeze-Thaw Cycles on Root Growth and Damage in a Northern Hardwood Forest.” Ecological Society of America Annual Meeting, Baltimore, MD, *July 30, 2026*.

Conrad-Rooney, E, A Reinmann, P Templer “Impacts of Growing Season Warming and Winter Soil Freeze/Thaw Cycles on Soil Respiration and Fine Roots.” Hubbard Brook Annual Meeting, North Woodstock, NH, *July 8, 2026*.

Conrad-Rooney E. “Impacts of Growing Season Warming and Winter Soil Freeze/Thaw Cycles on Fine Root Growth in a Northern Hardwood Forest.” Boston University Biogeoscience Symposium, Boston, MA, *May 11, 2026*.

Conrad-Rooney E, E Daily, Y Chua. “Youth Climate Leaders: Lessons from COP 29 and COP30.” Boston University URBAN Annual Symposium, Boston, MA, *May 1, 2026*.

Conrad-Rooney, E, A Reinmann, P Templer. “Shifting Baselines at the Climate Change Across Seasons Experiment.” Ecological Society of America Annual Meeting, Baltimore, MD, *August 12, 2025*.

Conrad-Rooney, E, P Templer. “Shifting Baselines at the Climate Change Across Seasons Experiment.” Hubbard Brook Annual Meeting, North Woodstock, NH, *July 10, 2025*.

Conrad-Rooney, E, P Templer. “Impacts of Climate Change on Tree Growth in a Northern Hardwood Forest.” Boston University URBAN Annual Symposium, Boston, MA, *May 14, 2025*.

Conrad-Rooney, E, P Templer. “Shifting Baselines at the Climate Change Across Seasons Experiment.” Boston University Biogeoscience Symposium, Boston, MA, *May 12, 2025*.

Conrad-Rooney E, J Sanders, A Reinmann, J Battles, P Templer. “Effects of Growing Season Warming and Winter Freeze/Thaw Cycles on Tree Growth” (Poster). Annual Harvard Forest Ecology Symposium, Harvard Forest, Petersham, MA, *March 18, 2025*.

Conrad-Rooney E, J Sanders, A Reinmann, J Battles, P Templer. “Effects of Growing Season Warming and Winter Freeze/Thaw Cycles on Tree Growth” (Poster). American Association for the Advancement of Science Annual Meeting, Boston, MA, *February 14, 2025*.

Conrad-Rooney E, J Sanders, A Reinmann, J Battles, P Templer. “Effects of Growing Season Warming and Winter Freeze/Thaw Cycles on Red Maple and American Beech Growth.” Ecological Society of America Annual Meeting, Long Beach, CA, *August 8, 2024*.

Conrad-Rooney E, C Avery, A Crimmins, P Templer. “Nature Content Review of the Fifth National Climate Assessment (Third Order Draft)” (Poster). Ecological Society of America Annual Meeting, Long Beach, CA, *August 5, 2024*.

Conrad-Rooney E, J Sanders, A Reinmann, J Battles, P Templer. “Effects of Growing Season Warming and Winter Freeze/Thaw Cycles on Red Maple and American Beech Growth.” Hubbard Brook Annual Meeting, Plymouth, NH, *July 10, 2024*.

Conrad-Rooney E, J Sanders, A Reinmann, J Battles, P Templer. “Effects of a Decade of Growing Season Warming and Winter Freeze/Thaw Cycles on Radial Growth in a Northern Hardwood Forest.” Boston University Biogeoscience Symposium, Boston, MA, *May 13, 2024*.

Conrad-Rooney E, J Gewirtzman, Y Pappas, VJ Pasquarella, LR Huttyra, and PH Templer. “Atmospheric Wet Deposition in Urban and Suburban Sites Across the United States.” Annual Harvard Forest Ecology Symposium, Harvard Forest, Petersham, MA, *March 19, 2024*.

Conrad-Rooney E, C Avery, A Crimmins, P Templer. “Nature Content Review of the Fifth National Climate Assessment (Third Order Draft)” (Poster). American Geophysical Union Annual Meeting, San Francisco, CA, *December 12, 2023*.

Conrad-Rooney E, A Reinmann, P Templer. “Interacting Effects of Growing Season and Winter Climate Change on Forest Carbon Sequestration.” Ecological Society of America Annual Meeting, Portland, OR, *August 9, 2023*.

Conrad-Rooney E, A Reinmann, P Templer. “Interacting Effects of Growing Season and Winter Climate Change on Forest Carbon Sequestration.” Hubbard Brook Annual Meeting, Plymouth, NH, *July 13, 2023*.

Conrad-Rooney E, A Reinmann, M Berry, D Powell, P Templer. “Effects of Growing Season and Winter Climate Change on Forest Carbon Sequestration.” Boston University Biogeoscience Symposium, Boston, MA, *May 16, 2023*.

Conrad-Rooney E, A Reinmann, P Templer. “Climate Change Across Seasons Experiment: Interacting Effects of Growing Season and Winter Climate Change on Forest Carbon Sequestration” (Poster). Long Term Ecological Research Network All Scientist Meeting, Asilomar, CA, *September 20, 2022*.

Conrad-Rooney E, Y Pappas, P Templer. “Atmospheric Deposition is Elevated in Cities Relative to Background Rural Areas Across the United States and this Pattern is Strengthening Over Time.” Ecological Society of America Annual Meeting, Montreal, Canada, *August 18, 2022*.

Conrad-Rooney E and P Templer. “Trends in Urban and Rural Deposition from the National Atmospheric Deposition Program Network.” Hubbard Brook Annual Meeting, Plymouth, NH, *July 13, 2022*.

Conrad-Rooney E, Y Pappas, P Templer. “Atmospheric Deposition is Elevated in Cities Relative to Background Rural Areas Across the United States and this Pattern is Strengthening Over Time.” Boston University Biogeoscience Symposium, Boston, MA, *May 17, 2022*.

Conrad-Rooney E, M Morales, A Murphy Pauletto, S Whipple, M Allen, G Bowser. “YEAH! Youth Environmental Alliance in Higher Education: A Model for Integrating the Sustainable Development Goals (SDGs) Towards Climate Action.” Ecological Society of America Annual Meeting, Long Beach, CA (virtual conference), *August 4, 2021*.

Conrad-Rooney E, A Barker-Plotkin, VJ Pasquarella, JH Matthes. “Defoliation Severity is Positively Related to Soil Solution Nitrogen Availability and Negatively Related to Soil Nitrogen Concentrations Following a Multi-Year Invasive Insect Irruption” (Poster). Annual Harvard Forest Ecology Symposium, Harvard Forest, Petersham, MA (virtual conference), *March 16, 2021*.

Conrad-Rooney E, Z Ginn, C Hill, A Kurkierewicz, A Mikolitis, K Calizaya Torre, B Gardos Vargas, P Lopez Vargas, S Viscarra, Z Wu, C Zamora. “Effects of Deforestation on Marine Ecosystems and Biodiversity: Case Studies from the United States, Peru, and the United Kingdom.” 2nd International Conference of the Youth Environmental Alliance in Higher Education, Fort Collins, CO (virtual conference), *December 9, 2020*.

Conrad-Rooney E, A Barker-Plotkin, VJ Pasquarella, JH Matthes. “Defoliation severity is positively related to soil solution nitrogen availability and negatively related to soil nitrogen concentrations following a multi-year invasive insect irruption” (Poster). Ecological Society of America Annual Meeting, Salt Lake City, UT (virtual conference), *August 3-6, 2020*.

Conrad-Rooney E. “Outside in the Forest: Studying Insect Outbreaks Through Hands-On Field Research at Harvard Forest.” Tanner Conference, Wellesley College, Wellesley, MA, *October 29, 2019*.

Conrad-Rooney E, M Anderson, T Michaud, JM Melillo, JE Hobbie. “Effects of Chronic Nitrogen Addition on Soil Nutrient Cycling and Ectomycorrhizal Fungi at the Harvard Forest” (Poster). Ecological Society of America Annual Meeting, Louisville, KY, *August 11-16, 2019*.

Conrad-Rooney E. “Does Soil Nitrogen Increase [Spongy] Moth Defoliation or Aid Tree Recovery?” Harvard Forest Summer Research Program Student Symposium, Harvard Forest, Petersham, MA, *August 8, 2019*.

Conrad-Rooney E, JH Matthes. “Does Soil Nitrogen Increase [Spongy] Moth Defoliation or Aid Tree Recovery?” (Preliminary thesis results poster). Science Center Summer Research Poster Session, Wellesley College, Wellesley, MA, *August 1, 2019*.

Conrad-Rooney E, E Huang. “Tree Growth at Hubbard Brook: Interactions Among Tree Species Diversity, Plot Elevation, and Mycorrhizal Associations.” Ruhlman Conference, Wellesley College, Wellesley, MA, *May 1, 2019*.

Conrad-Rooney E. “Mycorrhizal Colonization Across an Urban to Rural Gradient: Interactions with Nitrogen and Calcium Cycles.” Independent Research Symposium: Semester in Environmental Science, Woods Hole, MA, *December 14, 2018*.

Conrad-Rooney E, A Lang, JH Matthes. “Investigating the Impact of Mycorrhizal Fungi and Tree Roots on Soil Microbial Activity.” Science Center Summer Research Poster Session, Wellesley College, Wellesley, MA, *August 2, 2018*.

Conrad-Rooney E, E Huang, L Jones. “Searching Below the Surface: Impacts of Soil Texture and Symbiotic Fungi on Forest Root Growth.” Ruhlman Conference, Wellesley College, Wellesley, MA, *May 2, 2018*.

Conrad-Rooney E, I Chen. “Trees as Storytellers: Analyzing Tree Rings to Understand Climate in the Past, Present, and Future.” Ruhlman Conference, Wellesley College, Wellesley, MA, *April 26, 2017*.

TEACHING AND RESEARCH MENTORSHIP EXPERIENCE

Instructor of record:

Boston University BI306: Biology of Global Change, 110 students, *Fall 2024*.

Teaching fellowship:

Boston University BI306: Biology of Global Change Laboratory, 44 students, *Spring 2022*.

Invited guest lectures:

“Impacts of Year-Round Climate Change on Tree Growth in a Northern Hardwood Forest” at Boston University for Dr. Karina Scavo Lord’s course BI 530 Forest Ecology, *April 9, 2026*.

“Impacts of Year-Round Climate Change on Tree Growth” at City University of New York for Dr. Andrew Reinmann’s course PGEOG 38306/70506 Ecology of Global Change, Virtual, *February 5, 2026*.

“Interacting Effects of Growing Season and Winter Climate Change on Forest Carbon Sequestration” at Harvard Institute for Learning in Retirement for Fredric Chanania’s course New England Ecology - from Mountaintops to Oceans, Virtual, *March 3, 2025*.

“Interacting Effects of Growing Season and Winter Climate Change on Forest Carbon Sequestration” at City University of New York for Dr. Andrew Reinmann’s course PGEOG 38306/70506 Ecology of Global Change, Virtual, *March 13, 2024*.

Research mentorship:

Mentor for undergraduate senior honors thesis, University of Massachusetts, Amherst, Amherst, MA, *Spring 2025-present*.

Mentor for Greater Boston Research Opportunities for Young People (GROW) program, Boston University, Boston, MA, *Summers 2024 and 2025*.

Mentor for DaRin Butz Foundation Research Internship Program, Arnold Arboretum of Harvard University, Boston, MA, *Summers 2021, 2024, and 2026*.

Mentor for Harvard Forest Summer Research Program in Ecology (REU), Harvard Forest, Petersham, MA, *Summers 2021 and 2022*.

Mentor for the Biology Department Prospective Scholar Program, Boston University, Boston, MA, *Fall 2021*.

Mentor for undergraduate students as Templer Lab Manager, some via Boston University’s Undergraduate Research Opportunities Program (UROP), Boston University, Boston, MA, *Spring 2020-Summer 2021*.

CONFERENCE AND SYMPOSIUM ORGANIZING ACTIVITIES**Workshop and Curriculum Development:**

Organizer and Presenter for the “Advocacy for a Just Future: An Action-Oriented Workshop for Engaging with Policymakers” event, co-hosted with BU oSTEM, BU SACNAS and BU URBAN, Boston University, Boston, MA, *April 17, 2025*.

Workshop Organizer, Moderator, and Opening Host for “Youth Dialogues on the National Climate Assessment,” Youth Environmental Alliance in Higher Education, Fort Collins, CO (virtual workshop), *January 15, 2023*.

Workshop Organizer and Presenter for the “5th National Climate Assessment Review Party,” Boston University Science Policy Network and BU URBAN, Boston University, Boston, MA, *December 9, 2022*.

Workshop Organizer and Presenter for “Demystifying Policymaker Engagement: Tips for Early Career Scientists by Early Career Scientists,” Annual National oSTEM Conference, Boston, MA, *November 12, 2022*.

Workshop Organizer and Presenter for “Research Proposal & Peer Review Workshop,” Harvard Forest Summer Research Program in Ecology (REU), Harvard Forest, Petersham, MA, *June 7, 2022*.

Workshop Organizer, Moderator, and Opening/Closing Host for “Youth Dialogues on the National Climate Assessment,” Youth Environmental Alliance in Higher Education, Fort Collins, CO (virtual workshop), *February 15, 2022*.

Youth Environmental Alliance in Higher Education (YEAH) Fellow, co-developed curricula guiding students to research applications of UN Sustainable Development Goals for Dr. Templer’s undergraduate course at Boston University, “Biology of Global Change,” *Fall 2020*.

Symposium Organizer:

Symposium Organizer for Biogeoscience Symposium, Boston University, Boston, MA, *May 11, 2025*.

Symposium Organizer and Moderator for URBAN Annual Symposium, Boston University, Boston, MA, *May 14, 2025*.

Symposium Organizer for Biogeoscience Symposium, Boston University, Boston, MA, *May 12, 2025*.

Symposium Organizer and Guest Panel Moderator for Biogeoscience Symposium, Boston University, Boston, MA, *May 13, 2024*.

Townhall Organizer and Moderator for Ecological Society of America Annual Meeting Townhall “The US National Climate and Nature Assessments: An Update for the ESA Community,” Montreal, Canada, *August 18, 2022*.

Moderator for the 5th International Youth Environmental Alliance in Higher Education on Environmental Conservation Virtual Conference on Global Action for Environment, Justice and Sustainability, Fort Collins, CO (virtual conference), *April 22, 2022*.

Conference Organizer for 3rd International Conference of the Youth Environmental Alliance in Higher Education on Environmental Conservation, Sustainability and Equity in 2021, Fort Collins, CO (virtual conference), *April 21, 2021*.

Conference Organizer and Closing Plenary Discussant for 2nd International Conference of the Youth Environmental Alliance in Higher Education, Fort Collins, CO (virtual conference), *Dec. 9, 2020*.

LEADERSHIP AND FOSTERING COMMUNITY

President of BU oSTEM (Out in STEM), Boston University, Boston, MA, 2022-2026, graduate student organization.

Early Career Liaison, Biogeosciences Section Leadership Officer, Ecological Society of America, *Spring 2026-ongoing*.

Member of Hubbard Brook Community Resources Committee, NH, 2023-present.

Communications Liaison for BU STEPUP (Science and Technology in Public Policy), Boston University, Boston, MA, *Fall 2022*.

Graduate Student Coordinator for the Minority Students Alliance in the Life Sciences, Boston University, Boston, MA, *Fall 2021*.

PRESS COVERAGE

Alene Bouranova, “Terriers Reflect on Attending This Year’s United Nations Climate Conference,” *The Brink*, Boston University, Boston, MA, December 1, 2025, <https://www.bu.edu/articles/2025/cop30-united-nations>.

Grace van Deelen, “Warming Winters Sabotage Trees’ Carbon Uptake”, *Eos*, American Geophysical Union, Washington, DC, July 31, 2025, <https://eos.org/articles/warming-winters-sabotage-trees-carbon-uptake>.

BU URBAN Graduate Program, “URBAN Trainees Lead Workshop to Demystify Policymaker Engagement for Fellow Early-Career Scientists”, *BU URBAN Graduate Program News*, Boston University, Boston, MA, December 11, 2022, <https://sites.bu.edu/urban/2022/12/11/urban-trainees-lead-workshop-to-demystify-policymaker-engagement-for-fellow-early-career-scientists/>.