

Lizbeth G. Amador

University of Maine
Department of Wildlife, Fisheries, and Conservation Biology

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Profile

Interested in the use of long-term monitoring methods towards coastal ecosystems. Experienced with various statistical softwares and experience with independent and collaborative research. Looking to further apply ecological data analysis and remote sensing skills in scientific outreach projects.

Interests

- Management and conservation of ecosystems via remote sensing and data analytical methods
- Community and population dynamics
- Marine and Terrestrial macroecology
- Scientific outreach and communication

Education

<i>Expected Graduation</i> <i>December 2025</i>	M.S. Ecology and Environmental Science University of Maine, Orono Advisor: Dr. Sydne Record Thesis: <i>Scales of influence: Predicting plant phenological responses through multiple open-sourced data across the U.S.</i>
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<i>Graduated May 2022</i>	B.S. Marine Science, Minor in Statistics California State University of Monterey Bay <i>magna cum laude</i>
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Publications

Published:

Amador L.G., Ramirez-Parada T, Park IW, Mazer SJ, Ellison AM, O'Brien M, Sokol ER, Smith CA, Davis C, Record S. 2025. Bridging data silos to holistically model plant macrophenology. *The New Phytologist*. doi:10.1111/nph.70249.

Amador, L.G., T.H. Ramirez-Parada, I.W. Park, S.J. Mazer, A.M. Ellison, M. O'Brien, E.R. Sokol, C.A. Smith, C.C. Davis, and S. Record. 2025. Bridging data silos to holistically model plant macrophenology data, Contiguous United States, 2013-2021 ver 1. *Environmental Data Initiative*. <https://doi.org/10.6073/pasta/569c592db3a875f084e7761ff66844d9>

Teaching

<i>Fall 2024</i>	Teaching Assistantship, EES 423 Wetland Ecology, University of Maine, Orono
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<i>Spring 2023</i>	Teaching Assistantship, EES 220 Intro to Ecological Statistics, University of Maine, Orono
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Grants & Funding

Graduate Student Government Travel to Present Grant. University of Maine, Orono (Spring 2025)

Awarded: \$850

Maine Association of Wetland Scientists (MAWS) education stipend, MAWS (Fall 2023)

Awarded: \$2,000 USD

Service & Outreach

Meet a Scientist Event, Ecology and Data Science table - Hirundo Wildlife Refuge. Maine. Tabling and Guided activity (Spring 2025)

Leadership Committee, Diversity, Equity, and Inclusion Committee, Department of Wildlife, Fisheries, and Conservation Biology, University of Maine (Spring 2024 - Spring 2025)

Committee Member, Diversity, Equity, and Inclusion Committee, Department of Wildlife, Fisheries, and Conservation Biology, University of Maine (Fall 2023 - Present)

Surprise field trip speaker - Orono Bog Boardwalk. Bangor City Forest, Orono, Maine (Fall 2023)

Invited Seminar speaker at the Collegiate Research Webinar for the Sigma Xi Explorer Club (High School Science Research Club). - Online, virtual (Summer 2023)

Special Workshop on Kelp Deforestation - California State University of Monterey Bay Makerspace. Seaside, California. Oral Presentation and Guided activity (Spring 2022)

Skills & certificates

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| ➤ Fluent in speaking, reading, writing in Spanish | ➤ Advanced in R interfaces |
| ➤ Data management experience with FAIR & CARE practices | ➤ Advanced in Google & Microsoft applications |
| ➤ Project development and management | ➤ Intermediate in ARCGIS/ESRI products |
| ➤ Field planning and supervision | ➤ Wilderness First Aid, CPR, and AED (Spring 2025) |
| ➤ Spatial and Statistical data analyses | ➤ Advanced and Rescue SCUBA certified (Spring 2019) |
| ➤ Team Science and team building skills | |

Conferences & Published Abstracts

Amador L.G., Jha, R., Liu, Y., Jones, K., Sokol, E., von Holle, B., Li, D., Ellison, A., Davis, C., Mazer, S., Park, I., Zhu, K., Record S. 2025. Species Origin Trade-offs between Phenology and Range. Ecological Society of America Annual Meeting. Baltimore, Maryland. Poster Abstract.

Amador, L.G. 2024. Nitrogen Deposition and Metacommunity predictions from Hyperspectral Data of Pitcher Plants in Bogs. The Maine Association of Wetland Scientists (MAWS) Annual Meeting. University of Southern Maine, Portland, Maine. Oral Presentation.

Amador, L.G., Ramirez-Parada, T., Park, I., Mazer, S., Peng, S., Davis, C., Ellison, A., Record, S. 2024. Advancing understanding of plant macrophenology through data integration. The National Science Foundation Macrosystems Biology. Virtual, online. Poster.

Amador, L.G. 2023. Grazed and Unfazed: Intertidal Urchin Herbivory. Collegiate Research Seminar. Sigma Xi Explorer Club (Science Research Club). North Broward School, South Florida. Online, virtual.

Amador, L.G., Rooney, K., Haberman, I., Alison J. Haupt. 2023. Rocky intertidal ecosystems are more resilient to large increases in herbivory. Benthics Ecology Meeting. Miami Florida. Oral Presentation

Amador, L.G., Rooney, K., Haberman, I., Alison J. Haupt. 2022. Purple Reign: Spatial variation of intertidal *Strongylocentrotus purpuratus* across the Monterey Bay Peninsula. Western Society of Naturalist (WSN) Annual Meeting. Oxnard, California. Poster.

Amador, L.G., Haupt, A.J. 2022. Purple Reign: Spatial variation of intertidal purple sea urchins across the Monterey Bay Peninsula. Undergraduate Research Opportunities Center (UROC) Summer Research Symposium, California State University of Monterey Bay, Seaside. Oral Presentation.

Workshop & Professional Development

ESIIL Macrophenology Working Group Meeting - University of Colorado. Sustainability, Energy and Environment Community (SEEC), Boulder (Summer 2024)

Intro to Occupancy modeling & Advanced Occupancy modeling - Center for Wildlife Studies course. University of Maine, Orono (2024)

National Science Foundation Spectral Ecology School - Mountain Lake Biological Station, Virginia. (Spring 2023-Summer 2023)

NCAR-NEON-Community Workshop - NCAR Mesa Lab, Boulder, Colorado (Summer 2023)

Environmental Science Innovation and Inclusion Lab (ESIIL) Innovation Summit - University of Colorado. Sustainability, Energy and Environment Community (SEEC), Boulder (Summer 2023)

Professional Societies

Ecological Society of America (2025-Present)

Environmental Science Innovation and Inclusion Lab (2023-Present)

Benthic Ecology Meeting Organization (2023-Present)

Western Society of Naturalists (2022-Present)

Society of Advancing Chicano/Hispanics & Native Americans in Science (2022-Present)