

EVA OZETTE LEWIS LEGGE

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EDUCATION

Dartmouth College **2018-Present**
Ecology Major, Department of Biological Sciences
GPA: 3.75, Third Honor Group (2021-2022), three citations for academic excellence in a course

Biological Sciences Foreign Study Program **Winter 2022**
Dartmouth Biological Sciences tropical ecology research program, Costa Rica

Earth Sciences Foreign Study Program (the "Stretch") **Fall 2021**
Dartmouth Earth Sciences Field Study Program, Western US

Williams-Mystic Maritime Studies Program **Fall 2019**
A semester-long academic investigation of the sea, Mystic, CT. Dean's List.
Scientific Research Project Title: What constitutes a sustainable harvest for *Ascophyllum Nodosum*?

SCIENCE COMMUNICATION AWARDS

[Honorable Mention](#), Mecklin Prize for Creative Nonfiction, Dartmouth College (June 2021; \$600 cash prize).

[Best Science Narrative](#), Planet Forward StoryFest (April 2021; \$500 cash prize and 50 trees planted in my name).

First Place, [World Food Day Storytelling Contest](#), Planet Forward, United Nations FAO (Oct. 2021)

PROFESSIONAL RESEARCH EXPERIENCE

Leave Term Honors Thesis Research, Hicks Pries Soil Ecology Lab, Dartmouth Biological Sciences. *Working Thesis Title*: Mycorrhizal-Mediated Silviculture: The effects of arbuscular mycorrhizal networks on seedling success in canopy gaps and clear cuts. Funding received from the Kaminsky Family Fund Award (\$5,400), the Undergraduate Research Assistantship Award (\$1200) and the Senior Honor's Thesis Grant (\$2500), (June-December 2022).

Undergraduate Research Assistantship, Hicks Pries Soil Ecology Lab, Dartmouth Biological Sciences. Completed lab work in preparation for my summer thesis work. Funding received from the office of Undergraduate Advising and Research (March-June 2022; \$1000).

Full-Time Field and Lab Technician, Hicks Pries Soil Ecology Lab, Dartmouth College. Tasks included aiding the lab technician in soil chemistry and isotopic analyses, as well as collecting field data on sapling growth and survival for my thesis and for PhD candidate Amelia Fitch. Funding received from the Hicks Pries Lab. (May-June 2021).

Part-Time Remote Research Assistant, Hicks Pries Soil Ecology Lab, Dartmouth College Biological Sciences Department. Tasks included performing literature reviews of soil nutrient ratios and leaf litter cycling (October 2020-May 2021).

Sophomore Scholars Researcher, Hicks Pries Soil Ecology Lab, Dartmouth College Biological Sciences Department. Tasks included analyzing respiration of Greenland soil incubations. Funding received from Undergraduate Advising and Research (January-August 2020; \$2000).

Mellon Environmental Studies Research Grant for study in Iceland. Project title: *Ecotourism in Iceland's Outdoor Industry: An Oral History*. Funding received from the Dartmouth Environmental Studies Department (December 2019-January 2020; \$1000).

Full-Time Laboratory Assistant, ter Hofstede Sensory Ecology Lab, Dartmouth College Biological Sciences Department. Tasks included analyzing sound recordings using Avisoft and caring for live crickets. Funding received from the ter Hofstede Lab (June-August 2019).

Women in Science Project Intern, Dartmouth College Earth Sciences Department. Project Title: *Carbon Isotope Chemostratigraphy of the Neoproterozoic Veteranen Group in Svalbard, Norway*. Funding received from the Women in Science Project (Jan.-May 2019; \$2000).

TEACHING EXPERIENCE

Student Coordinator for the Young Voices of Science Program (Fall 2022), Hubbard Brook Research Foundation. This [free science communication program](#) equips undergraduate and graduate students in the environmental sciences with the resources to incorporate science communication into their scientific careers.

Undergraduate Teaching Assistant, Ecology (Spring 2022), Supervisor: Craig Layne. Professor: Matt Ayres. Tasks included giving a presentation on scientific paper construction, helping students craft scientific figures, and facilitating field data collection.

PEER-REVIEWED JOURNAL ARTICLES

Hicks Pries, C., Lankau, R., Ingham, A., Legge, E., Krol, O., Forrester J., Fitch, A., Wurzburger, N. "Differences in Soil Organic Matter between EcM- and AM-Dominated Forests Depend on Tree and Fungal Identity." *Ecology*. In production. <https://doi.org/10.1002/ecy.3929>.

PROFESSIONAL PRESENTATIONS

Legge, E. How does disturbance affect common mycorrhizal networks and seedling survival at the Clement Woodlot? (oral). **Corinth Conservation Commission Monthly Meeting**, December 05, 2022, Corinth, VT.

Fitch, A. Legge, E., Fitch, A., Goldsmith, S., Hicks Pries, C. Mycorrhizal-mediated silviculture: the benefits of mycelial networks for forest regeneration (poster). **Society of American Foresters Conference**, September 19-23, 2022, Baltimore, MD.

Legge, E., Fitch, A., Goldsmith, S., Hicks Pries, C. Mycorrhizal-mediated silviculture: the benefits of mycelial networks for forest regeneration (poster). **Ecological Society of America Annual Meeting**, August 14-19, 2022, Montreal, Quebec.

Legge, E., Gibson, T.M., and Strauss, J.V. Carbon Isotope Chemostratigraphy of the Neoproterozoic Veteranen Group in Svalbard, Norway (poster). **28th Annual Karen E. Wetterhahn Science Symposium**, May 22, 2019, Hanover, New Hampshire.

PROFESSIONAL DEVELOPMENT

Fitch, A., Legge, E. **Mycorrhizal Forest Survey** (*Survey for foresters about how their interest in incorporating mycorrhizal ecology into their research*). **Forest Ecosystem Monitoring Cooperative**, December 15, 2022, Burlington, VT.

Legge, E. **Data Science for Forestry Applications** (R Workshop). Society of American Foresters Conference, September 20, 2022, Baltimore, MD.

SCIENTIFIC COMMUNITY MEMBERSHIP

Mycorrhizal Ecology Reading Group (Dartmouth College)
Ecological Society of America
Society of American Foresters

PUBLICATIONS IN NON- PEER REVIEWED JOURNALS

Fitch, A., Legge, E., Chabica, A., Hicks Pries, C. "Exploring the Role of Mycorrhizal Connections in Supporting Forest Regeneration and Diversity." *New England Society of American Foresters News Quarterly*, vol. 83, no. 3, July 2022, pp. 8–11.

Legge, Eva. 10 January 2021. Autumn Leaves. *National Collegiate Journal of Science*.
<https://sites.dartmouth.edu/dujs/2021/01/10/autumn-leaves/>.

Legge, Eva. 16 November 2020. "Quercus Dominantur: How Botanists Uncovered the Story of the Oak Tree's Success." *Dartmouth Undergraduate Journal of Science, News*.

<https://sites.dartmouth.edu/dujs/2020/11/16/quercus-dominantur-how-botanists-uncovered-the-story-of-the-oak-trees-success/>.

Legge, Eva. 10 November 2020. History is Lost in the Melt of Italy's 'Queen'. *International Collegiate Journal of Science*. <https://icjs.us/history-is-lost-in-the-melt-of-italys-queen/>.

Legge, Eva. Summer 2020. The Botanical Mind: How Plant Intelligence 'Changes Everything.' *Dartmouth Undergraduate Journal of Science*, 20X Print Issue, p. 118-126. https://issuu.com/dartmouthjournalofscience/docs/20x_dujs_print_journal_vff.

Legge, E., Chen, J., Davenport, T., Bell, J., Giglio, L., Brinks, A. Capitalism and Conservation: A Critical Analysis of Eco-Capitalist Strategies. *Dartmouth Undergraduate Journal of Science*, 20X Print Issue, p. 222-241. https://issuu.com/dartmouthjournalofscience/docs/20x_dujs_print_journal_vff.

POPULAR SCIENCE ARTICLES

Legge, Eva, et al. "Eva O. Legge, Jude Nuru & Eric Soederberg: New Hampshire Needs a National Clean Energy Standard and More." *UnionLeader.com*, New Hampshire Union Leader, 23 Sept. 2021, https://www.unionleader.com/opinion/op-eds/eva-o-legge-jude-nuru-eric-soederberg-new-hampshire-needs-a-national-clean-energy-standard/article_c4ef98ab-7d8f-5d49-a780-97fe5f61eb66.html.

Legge, Eva. "Latria Graham Rewrites the Narrative on Being Black in the Outdoors." *The Open Notebook*, 25 May 2021, <https://www.theopennotebook.com/2021/05/25/latria-graham-rewrites-the-narrative-on-being-black-in-the-outdoors/>.

Legge, Eva. "The Long-Forgotten Predecessors of Her Deepness, Sylvia Earle." *Lady Science*, Lady Science, 20 May 2021, <https://www.ladyscience.com/features/the-long-forgotten-predecessors-of-her-deepness-sylvia-earle-2021>.

Legge, Eva. "The Salamanders at the End of the World." *Planet Forward*, George Washington University, 2 April 2021, <https://www.planetforward.org/idea/salamander-sanctuary-austin>.

Legge, Eva. "Green Corn's Grand Gardeners." *Planet Forward*, George Washington University, 31 Mar. 2021, <https://www.planetforward.org/idea/green-corns-grand-gardeners>.

Legge, Eva. "She's Filming 'the Soul of Austin' to Save It." *Fix, Grist*, 16 March 2021, <https://grist.org/fix/arts-culture/shes-filming-the-soul-of-austin-to-save-it/>.

Legge, Eva. "One Tiny House Finds a Giant Home." *The Dartmouth*, 10 Mar. 2021, <https://www.thedartmouth.com/article/2021/03/legge-one-tiny-house-finds-a-giant-home>.

Legge, Eva. "Student Spotlight: Mike McGovern '21 Pursues Passion for Wildlife Conservation, Photography." *The Dartmouth*, 8 Mar. 2021, <https://www.thedartmouth.com/article/2021/03/spotlight-mike-mcgovern>.

Legge, Eva. "Q&A: Italian Professor Damiano Benvegnù on Dartmouth's Environmental Humanities Initiative." *The Dartmouth*, 10 Feb. 2021, <https://www.thedartmouth.com/article/2021/02/q-a-italian-professor-damiano-benvegnù-on-dartmouths-environmental-humanities-initiative>.

Legge, Eva. "The Cracks of Thingvallavatn: The Lake of the Fields of Parliament." *Planet Forward*, 4 Dec. 2020, <https://www.planetforward.org/idea/cracks-thingvallavatn>.

Legge, Eva. "Home-Sown: Austin's First Urban Farms and the Birth of Its Locavore Movement." *Planet Forward*, George Washington University, 27 October 2020, <https://www.planetforward.org/idea/home-sown-austin%E2%80%99s-first-urban-farms-and-the-birth-of-its-locavore-movement>.

Legge, Eva. "An Antidote to Plant Blindness." *The Scope*, Yale Scientific, 19 October 2020, <https://medium.com/the-scope-yale-scientific-magazines-online-blog/an-antidote-to-plant-blindness-ab06fb559585>.

SCIENTIFIC OUTREACH

Freelance Writer (Fall 2020-present)

Publications include [Grist](#), [Lady Science](#), [The Open Notebook](#), and [the Scope](#) (the blog for Yale Scientific), the New England Society of American Foresters Quarterly Review

Volunteer for the Union of Concerned Scientists Virtual Legislative Day (June-July 2021)
Met with Maggie Hassan's office.

Member, Young Voices of Science Workshop, Hubbard Brook Research Foundation (March-June 2021)

Notetaker, [UN Food Systems Summit Independent Dialogue](#): Powering the Seaweed Revolution for Transformational Change in our Food System (April 2021)

Student Correspondent, [Planet Forward](#), George Washington University (Sept 2020-May 2021)

Staff Writer, [The Dartmouth](#) (January- April 2021)

Social Media Manager, The Association of Science Communicators (formerly [Science Talk](#) (Nov. 2020-March 2021)

Moderator, [Convergence Symposium](#), Dartmouth Hopkins Center for the Arts (February 2021)
Led a Zoom discussion on craft and science with artist Berdnaud Smilde

Staff Writer, Dartmouth Undergraduate Journal of Science (June 2020-January 2021)

Writer for print journal and online news platform. Articles also re-published in the National and International Collegiate Journals of Science

COLLEGE ACTIVITIES

Admissions Ambassador, Dartmouth College (Nov. 2022-present)

Pianist, Coast Jazz Orchestra, Dartmouth College (Sept 2018-present)

Hiking Leader, Cabin and Trail, Dartmouth Outing Club (May 2019-present)

Break Trip Leader, Viva Hardigg Outdoors Club, Catalina Island, CA (Dec. 2021)

Hiking Leader, Dartmouth First Year Trips (Sept. 2021)

SKILLS

Computer: Microsoft Excel, Microsoft Access, Microsoft Word, Microsoft PowerPoint, Adobe Illustrator, Avisoft Bioacoustics

Statistics Programs: JMP, R

Research: Mass spectrometer sample preparation, infrared gas analyzer, Theros 12 moisture sensor, lysimeter extraction, among others.

Other: Wilderness First Aid, CPR