

# Vikki L. Rodgers

(she/her/hers)

## Professor of Ecology & Director of Science

- Babson College, Math and Science Division, Kriebel Hall, Wellesley, MA 02481 ▪
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### Education

- Ph.D. in Forest Ecology & Biogeochemistry**, Boston University 2002 – 2007  
Advisor: Dr. Adrien Finzi; Dissertation title: *Impacts of *Alliaria petiolata* invasion on native plant diversity and soil nutrient cycling in northern hardwood-conifer forests*
- B.S. in Biology, Ecology & Evolution**, University of New Hampshire 1995 – 1999  
Minored in Environmental Conservation and Spanish - semester abroad in Granada, Spain  
Graduated with *University Honors in Major* (performed senior honor's thesis)

### Professional Appointments

- Professor of Ecology**, Babson College Aug 2019 – present  
**Director of Science**, Babson College July 2022 - present
- Chair of Math and Science Division**, Babson College Aug 2019 – June 2022  
**Associate Professor of Ecology**, Babson College (Tenure granted 2014) Aug 2014 – Aug 2019  
**Visiting Scientist in the Department of Biology**, Tufts University (sabbatical) Feb 2017 – June 2017  
**Assistant Professor of Ecology & Environmental Science**, Babson College Sept 2008 – Aug 2014  
**Teaching Postdoctoral Fellow**, Babson College Sept 2007 – July 2008  
**Graduate Student Teaching Fellow and NSF Research Fellow**, Boston University Sept 2002 – Nov 2007  
**Molecular Biology Research Assistant**, Harvard University July 2001 – Aug. 2002

### Awards and Honors

- Article published in AoB PLANTS honored as “Editor’s Choice” 2018  
Received Women Who Make a Difference Award (Babson) 2016  
Received Lewis Institute’s Changemaker Award for creating positive social change on Babson’s campus 2015  
Named one of Poets and Quants Most Outstanding B-School Professors under 40 in the World 2015  
Received the Shelley Kaplan Sustainability Award for Research/Academics (Babson) 2014  
Received the Faculty Scholarship/Research Award (Babson) 2014  
Received Dean’s Award for Excellence in Undergraduate Teaching (Babson) 2012  
Nominated for Undergraduate Faculty of the Year Award by students (Babson) 2008

## Courses Developed and Taught at Babson College

\* developed as a new course for the college

SES 2000 - Socio-Ecological Prairie Systems\* - co-taught with Literature Professor  
SES 2000 - Socio-Ecological Urban Systems\* - co-taught with Political Science or History Professor  
NST 2020 - Case Studies in Ecosystem Management (includes lab)\*  
SCN 3630 - Economic Botany\*  
ENV 4610 - Art and Ecology in the Anthropocene\* - co-taught with Art Professor  
SCN 3655 - Biomimicry: Design Innovation from Nature\*  
SCN 3697 - Climate Change, Business, and Society\*  
SCN 1340 - Biodiversity and the Environment (includes lab)\*  
SCN 2410 - Environmental Technology (includes lab)  
CXD 3662 - Ecotourism & Conservation in Costa Rica\* - co-taught with Law Professor (Study abroad course)

## Mentoring Students

**Harvard University Extension School Master's Degree:** Alex Davis (2017-2018)

**Babson Honors Thesis:** Elijah Suskind (2023), Eugenio Gonzalez (2015), Sanjay Zimmerman (2014-2015)

**Babson Independent Research Projects:** Johnny Floegel (2017), Guy Horgan (2014), Beverly Rogan & Lindsay Tarr & Baran Mutlu (2013), Nick Loukellis & Chandler Moisen & Alex Place & Michelle Chin (2012), Chris Freney (2010), Richard Flynne (2009), Carlton Kanner (2008)

**Field and Lab Research Assistants:** Sky Morgan (2017), Amaya Allen (2015), Cade Miller (2014), Shujing Xu (2014), Melina Kapotsis (2012), Tanya Lancaster (2011), Jeffrey Holoubek (2010)

## Outreach Activities

**Posse Foundation Faculty Mentor, Babson College** July 2017 - May 2021  
Served as faculty mentor to cohort of 10 students from NYC selected for diversity leadership scholarships

**Science Seminar Series, Babson College** Sept 2012 - Dec 2016  
Created and ran an evening seminar series to bring outside speakers to campus for students and faculty

**NSF Interactive Booth for Public Outreach at AAAS Meeting, Boston, MA** Feb 2013  
Designed and implement an interactive display on the research at the Boston Area Climate Experiment

**USA Science and Engineering Festival, Washington D.C.** Jan - May 2012  
Worked with faculty and students across 3 colleges to plan interactive science booth for high school students

**Girls Leadership Summit, Diversity & Outreach in Math & Engineering (DOME)** May 2008  
Designed activities to encourage young women from disadvantaged communities to pursue careers in science

**Christadora Summer Ecology Sessions, Great Mountain Forest, CT** July 2003 - 2006  
Participated in program that offers high-school students from low socio-economic backgrounds in NYC an opportunity for environmental education while living out in the woods

## Publications Under Review or In Prep

Erzurumlu S, D Nersessian, **VL Rodgers**, S Deets. *Revise & Resubmit*. A Systems Thinking Approach to Private Sector Engagement with the UN Sustainable Development Goals – Conceptual Frameworks and Case Studies. Submitted to *Social Responsibility Journal*

Anderson LJ, J Kilgore, A Aguilera, D Garneau, K Hopfensperger, K Juneau, M Kolosvary **VL Rodgers**, RA Urban. *In Prep*. Testing soil-based “safe sites” for invasive *Alliaria petiolata* in temperate forest habitats. Will be submitted to *Journal of the Torrey Botanical Society*

Anderson LJ, K Hopfensperger, **VL Rodgers**, A Aguilera, E Brzostek, D Garneau, K Juneau, J Kilgore, M Kolosvary, P Saunders, S Scanga, RA Urban. *In Prep*. Associations between *Alliaria petiolata* and soil nutrients: a distributed experiment across multiple sites in the Ecological Research as Education Network. Will be submitted to *AoB PLANTS*

**Rodgers, VL**, G Middendorf, S Scanga, L Byrne, J St. Juliana, J. Honea, E Tietjen, Z Leggett. *In Prep*. Four Dimensional Ecology Education for Everyone. Will be submitted to *Frontiers in Ecology and the Environment*

## Peer-Reviewed Publications (Journal Articles and Book Chapters)

[24] **Rodgers, VL**, S Scanga, M Kolosvary, D Garneau, LJ Anderson, K Hopfensperger, J Kilgore, RA Urban, A Aguilera, K Juneau. 2022. Where is garlic mustard: Understanding the context for dense invasions of *Alliaria petiolata*. *BioScience* 72(6): 521-537.

[23] Griffith AB, **VL Rodgers**, JS Dukes. 2021. Demographic analysis of invasible habitat fraction identifies context-dependent roles of resource availability and biotic resistance in determining invasion success. *Journal of Ecology* 109(2): 714-726.

[22] Anderson LJ, J Dosch, E Linqvist, T McCay, J-L Machado, K Kuers, T Gartner, K Shea, **VL Rodgers**, P Saunders, R Urban, D Johnson, J Kilgore, M Petersen, A Powell, B Ramage, M Steinweg, J Straub, S Bunnell, M Witkovsky. 2020. Undergraduate collaborative science: An Assessment of student learning in the Ecological Research as Education Network (EREN). *Scholarship and Practice of Undergraduate Research (SPUR)* 4(1): 15-29.

[21] Deets S, **V Rodgers**, S Erzurumlu, D Nersessian. 2020. Systems thinking as a tool for teaching undergraduate business students humanistic management. *Humanistic Management Journal* 5(2), 177-197.

[20] Greenberg D, L Beitelspacher, **VL Rodgers**. 2020. A systems approach to transformational responsible management learning and education. *In: The SAGE Handbook of Responsible Management Learning and Education*, SJ Armstrong and CV Fukami (eds), SAGE Publications.

[19] Wynstra B, K Hill, **V Rodgers**, J Stillwagon, J Tosti-Kharas. 2020. Teaching *Beyond the Horizon: Transdisciplinary Approaches*. *Eugene O'Neill Review* 41(1)

[18] **Rodgers VL**, NG Smith, SS Hoepfner, JS Dukes. 2018. Warming increases the sensitivity of seedling growth capacity to rainfall in six temperate deciduous tree species. *AoB PLANTS* 10(1): doi: 10.1093/aobpla/ply003

[17] Beitelspacher L, **VL Rodgers**. 2018. Integrating corporate social responsibility awareness into a retail management course. *Journal of Marketing Education* 40(1): 66-75.

[16] **Rodgers VL**, D Krcmar. 2017. Bridging the boundaries of science and art for business students: Integrating botany and artistic perspectives to teach environmental literacy. *Journal of Sustainability Education* 16: ISSN: 2151-7452.

[15] Greenberg D, S Deets, S Erzurumlu, J Hunt, M Manwarring, **V Rodgers**, E Swanson. 2017. Signing to Living PRME: Learning from a Journey Towards Responsible Management Education. *The International Journal of Management Education* 15: 205-218.

- [14] **Rodgers VL**. 2015. A SEERS approach to analyzing impact: Using a science research project to evaluate product life cycle sustainability. *In: Evolving Entrepreneurial Education: Innovation in the Babson Classroom* V Crittenden, N Karst, R Slegers, K Esper (eds). Emerald Publishing
- [13] Winrich C, **VL Rodgers**, MG MacLean, D Blodgett, J Schaefer. 2015. Science education as entrepreneurial thought and action methodology. *In: Evolving Entrepreneurial Education: Innovation in the Babson Classroom* V Crittenden, N Karst, R Slegers, K Esper (eds). Emerald Publishing
- [12] Smith NG, **VL Rodgers**, E Brzostek, A Kulmatiski, ML Avolio, SE Koerner, D Hoover, K Grant, A Jentshe, S Fatichi, D Niyogi. 2014. Towards a better integration of biological data from precipitation manipulation experiments into Earth system models. *Reviews of Geophysics* 52(3): 412–434.
- [11] **Rodgers VL**. 2014. Pitching environmental science to business majors: Engaging students in renewable energy choices. *Journal of College Science Teaching* 43(5): 28-32.
- [10] **Rodgers VL**, SS Hoepfner, MJ Daley, and JS Dukes. 2012. Leaf level gas exchange and foliar chemistry of common old field species, responding to warming and precipitation treatments. *International Journal of Plant Sciences* 173(9): 957-970.
- [9] Lester T and **VL Rodgers**. 2012. Teaching a cross disciplinary environmental science, policy and culture course on Costa Rica's ecotourism to business students. *Journal of Environmental Studies and Sciences* 2(3): 234-238.
- [8] Lester T and **VL Rodgers**. 2011. Beyond Green: Encouraging students to create a simultaneity of positive SEERS outcomes *In: The New Entrepreneurial Leader: Developing Leaders Who Shape Social and Economic Opportunity* D Greenberg, K McKone-Sweet, HJ Wilson (eds). San Francisco, CA: Berrett-Koehler Publishers, Inc., pp. 94-112.
- [7] Laprise S, J Philips, **V Rodgers**, and C Winrich. 2011. Practice-oriented science education for business students. *The International Journal of Science in Society* 2(3): 235-242.
- [6] Finzi AC and **VL Rodgers**. 2009. Bottom-up rather than top-down processes regulate the abundance and activity of nitrogen fixing plants. *Biogeochemistry* 95(2-3): 309-321.
- [5] Gallet-Budynek A, E Brzostek, **VL Rodgers**, JM Talbot, S Hyzy, and AC Finzi. 2009. Contribution of organic and inorganic N sources to root uptake in two intact temperate forest soils. *Oecologia* 160(1): 129-138.
- [4] Dukes JS, J Pontius, D Orwig, JR Garnas, **VL Rodgers**, N Brazee, B Cooke, KA Theoharides, EE Stange, R Harrington, J Ehrenfeld, J Gurevitch, M Lerdau, K Stinson, R Wick, and M Ayers. 2009. The responses of pests, pathogens and invasive species to climate change in the forests of Northeastern North America: What can we predict? *Canadian Journal of Forest Research* 39: 231-248.
- [3] **Rodgers VL**, BE Wolfe, LK Werden and AC Finzi. 2008. The invasive species *Alliaria petiolata* (garlic mustard) increases soil nutrient availability in northern hardwood-conifer forests. *Oecologia* 157: 455-471.
- [2] Wolfe BE, **VL Rodgers**, KA Stinson, and A Pringle. 2008. The invasive plant *Alliaria petiolata* (garlic mustard) inhibits ectomycorrhizal fungi in its introduced range. *Journal of Ecology* 96: 777-783.
- [1] **Rodgers VL**, KA Stinson, and AC Finzi. 2008. Ready or not, garlic mustard is moving in: *Alliaria petiolata* as a member of eastern deciduous forests. *BioScience* 58(5): 426-436.

## Research Projects Currently in Pipeline

- **Co-invasion dynamics of two woody, invasive plants under rainfall manipulation conditions**  
Collaboration with Anna Aguilera (Simmons University). Field experiment completed. Currently doing data analysis
- **Effects of soil moisture and nutrient availability on the growth and survival of garlic mustard**  
Collaboration with Anna Aguilera (Simmons University). Field experiment completed. Currently doing data analysis

## Grants Received while at Babson

<b>Babson Research Scholar (BRS) course release</b> – Three year course release	Fall 2022 - Spring 2025
<b>Babson Faculty Research Fund (BFRF) interdisciplinary summer stipend</b> – Stipend - \$10,000	Summer 2019
<b>BFRF summer stipend</b> – Stipend & field supplies - \$12,252	Summer 2018
<b>Teaching Innovation Fund (TIF) grant</b> – Eco-analytics co-teaching project - \$2,500	2017-2018
<b>BFRF mini-grant</b> - Field supplies & lab analyses - \$1,400	Summer 2016
<b>BFRF Sustainability summer stipend</b> - Collaboration in art & botany research - \$5,000	Summer 2015
<b>BFRF mini-grant</b> - Student lab assistant - \$2,200	Summer 2015
<b>BFRF summer stipend</b> – Stipend, student assistant \$ expenses - \$13,616	Summer 2014
<b>Mellon Presidential Innovation Project - Three College Collaboration</b> - “Big Ideas” event - \$2,500	Feb 2014
<b>Mellon Presidential Innovation Project</b> - Teaching & Learning Faculty Group - \$4,000	Nov 2012
<b>BFRF summer stipend</b> – Stipend, student field assistant & expenses - \$13,328	Summer 2012
<b>Mellon Presidential Innovation Project</b> - USA Science & Engineering Festival expenses - \$10,000	April 2012
<b>BFRF mini-grant</b> - Support for student field assistant - \$1,960	Summer 2011
<b>BFRF course release</b> - Field research project	Fall 2010

## Other Publications: Teaching Cases, Technical Publications & Media Reports

**Teaching Note:** Vikki L. Rodgers. 2021. Supply Chain Innovation to Reduce Ecological Impact. In: Teaching Entrepreneurship: A Practice-Based Approach. Heidi M. Neck, Patricia G. Greene, Candida G. Brush (eds), Edward Elgar Publication

**EcoAnalytics Teaching Case:** Nathan Karst and Vikki L. Rodgers. 2019. Babson College: The Case Centre, Harvard Business School Publishing, and Ivey Publishing. Catalog # BAB450.

**NPR’s Academic Minute:** New England Forests and Climate Change. Vikki Rodgers, Babson College - Aug 2018  
<https://academicminute.org/2018/08/vikki-rodgers-babson-college-new-england-forests-and-climate-change/>

**Contributor to US Forest Service General Technical Publication GTR-NRS-99:** *Changing climate, changing forests: The impacts of climate change on forests of the northeastern United States and eastern Canada* Published by US Forest Service, July 2012

## Invited Seminars or Panels

<b>Chairs &amp; Directors Panel on Values-Based Leadership in a Time of Crisis</b>	Aug 12 & Nov 11, 2020
<b>Stonehill College Research Seminar, Easton, MA</b>	Oct 4, 2019
<b>Boston University Graduate Women in Science and Engineering, Boston, MA</b>	Dec 6, 2016
<b>Tufts University Environmental Studies Program, Medford, MA</b>	Mar 3, 2016
<b>Rhode Island College Biology Department, Providence, RI</b>	Oct 18, 2012
<b>Wellesley College Science Faculty Seminar Series, Wellesley, MA</b>	Mar 13, 2012
<b>Dartmouth College - Northern Forest Alliance Conference, Hanover, NH</b>	Nov 1, 2008
<b>Holy Cross College Seminar, Worcester, MA</b>	Mar 21, 2007

## Selected Conference Presentations

**Rodgers VL**, S Scanga. 2022. Understanding the Ecological Context for Garlic Mustard Invasion. 107<sup>th</sup> Meeting of the Ecological Society of America (ESA) in Montreal, Canada. Aug 14-19, 2022.

Middendorf G, K Klemow, **VL Rodgers**. Fostering interdisciplinary thinking through lessons that follow the 4DEE approach. 6<sup>th</sup> Life Discovery – Doing Science Biology Education conference. Virtual on Oct 22, 2020.

Griffith A, **Rodgers VL**, JS Dukes. Incorporating spatial heterogeneity into plant population models to quantify the fraction of invadable habitat across the landscape. 105<sup>th</sup> Meeting of the Ecological Society of America (ESA). Virtual during Aug 3-6, 2020.

**Rodgers VL**, KN Hopfensperger, JS Kilgore, A Aguilera, SE Scanga, MB Kolozsvary, L Anderson. A New EREN project identifying patterns for garlic mustard (*Alliaria petiolata*) invasion success. 103<sup>rd</sup> Meeting of the Ecological Society of America (ESA) in New Orleans, LA. Aug 5-10, 2018.

**Rodgers VL**, D Krcmar. Art and ecology in the anthropocene: Integrating artistic perspectives with ecological systems thinking in a course for non-majors. 102<sup>nd</sup> Meeting of the Ecological Society of America (ESA) in Portland, OR. Aug 6-11, 2017.

**Rodgers VL**, A Griffith, JS Dukes. Experimental test of the theory of fluctuating resource availability as a driver for invasion establishment. Botany Conference (BSA) in Savannah, GA. July 31-Aug 3, 2016

Griffith A, **Rodgers VL**, JS Dukes. Fluctuating resources and invasion establishment: linking demography with environmental drivers. 100<sup>th</sup> Meeting of the Ecological Society of America (ESA) in Baltimore, MD. Aug 10-14, 2015

**Rodgers VL**, D Krcmar. Bridging the boundaries of art, science, and business: Integrating botanical art perspectives into a science class for business students. 7<sup>th</sup> Meeting of the Association of Environmental Studies and Science (AESS) in San Diego, CA. June 24-27, 2015

**Rodgers VL**. Pitching environmental science to business majors: Engaging students in environmental technology tradeoffs. 6<sup>th</sup> Meeting of AESS in New York City, NY. June 11-14, 2014

**Rodgers VL**, SS Hoepfner, JS Dukes. The responses of six common tree species exposed to experimentally altered climate at the Boston Area Climate Experiment (BACE). 5<sup>th</sup> Meeting of the Association of Environmental Studies and Science (AESS) in Pittsburgh, PA. June 19, 2013

**Rodgers VL**, T Lancaster, M Kapotsis, SS Hoepfner, JS Dukes. Responses of leaf characteristics to experimentally altered climate conditions: Differences among 6 species of tree seedlings. 97<sup>th</sup> Meeting of the Ecological Society of America (ESA) in Portland, OR. Aug 5-10, 2012

**Rodgers VL**. Connecting environmental science with hands-on business applications in the classroom. 3<sup>rd</sup> Meeting of the Association of Environmental Studies and Science (AESS) in Burlington, VT. June 23-26, 2011

Hoepfner SS, JS Dukes, **VL Rodgers**, and NG Smith. The effects of warming and precipitation change on photosynthesis and plant primary production in a New England old-field community. 95<sup>th</sup> Meeting of the Ecological Society of America (ESA) in Pittsburgh, PA. Aug 1-6, 2010

## Selected Professional Development Workshops and Specialized Training

- **Inclusive Teaching Training Program** at Babson College, 2 week online program in Aug 2021
- **Online Teaching Training Program** at Babson College, 2 week online program in May 2020
- **Curriculum Mapping for Assessment** organized by Lilly conference, San Diego, CA, Feb 27-29, 2020
- **Sustainable Infrastructure and Resilience conference** by National Council for Science and the Environment – Jan 7-10, 2019 in Washington DC
- **Biomimicry Faculty Workshop** run by Biomimicry New England & Olin College – Nov 3, 2018
- **Values-Based Academic Leadership Institute** Program run by Success 4 Higher Education – Oct 5-7, 2018
- **Resources for Ecology Education: Fair & Share** organized by ESA Education section –2009, 2011, 2015, 2017-2022
- **Writing Better Multiple-Choice Questions** organized by E Rauschert, Portland, OR, Aug 2017 at ESA
- **Posse Mentor Training** organized by Posse Foundation, NYC, June 2017 and June 2018
- **The Art of Engagement: Invigorating Course Assignments with the Arts Workshop** organized by K Owens, Washington, DC June 2016 at AESS
- **R (statistics) for Ecologists Workshop** organized by N Zimmerman, Baltimore, MD, Aug 2015 at ESA

- **Engage Students through Interactive Case Teaching** workshop by M Kupp and organized by Center for Engaged Learning and Teaching, Babson College, MA, Apr 2014
- **The Flipped Classroom and an Introduction of Assessment, the Silent Killer of Learning** by E Mazur at the Three College Collaboration Teaching Workshop, Olin College, MA, Jan 2014
- **Introduction to Biomimicry online course** by Biomimicry 3.8 and D Baumeister, March 2013
- **Engaging Students in Complex Science Learning via Games and Simulations** organized by Susannah Gordon-Messer, Boston, MA, Feb 17, 2013 at the AAAS Annual Meeting
- **Advancing Ecological Literacy in Non-Majors** organized by J Powers, Portland, OR, Aug 2012 at ESA
- **Ecological Research as Education Network (EREN) All Members Workshops** organized by EREN and funded by NSF, Raleigh, NC, June 27-29, 2012 and Rock Island, IL, June 25-27, 2014
- **Renewable Energy Technologies and Climate Change Mitigation** taught by William Moomaw and organized as part of the Building Energy 12 Conference in Boston, MA, March 2012
- **In Full Bloom (aligning course assignments and objectives using Bloom's Taxonomy)** organized by A. Sutton-Grier, Pittsburgh, PA, Aug 2010 at ESA
- **Stable Isotope Ecology** 6-credit course taught by J Ehleringer at University of Utah, June 2003. Two-week immersive lab and lecture course for graduate students, post-docs, and young faculty

## Professional & Academic Service

<b>Member of 4DEE Subcommittee of ESA's Committee on Diversity and Education</b>	Oct 2019 - present
<b>Chair of 4DEE Working Group on Teaching Ecology to Non-Majors</b>	Oct 2021 - present
<b>Chair of ESA's Odum Education Award Subcommittee</b> for Excellence in Ecology Education	Aug 2018 – Aug 2021
<b>Member of Board of Directors</b> (voted on) Ecological Research as Education Network (EREN)	Sept 2017 – Aug 2020
<b>Research Coordinator</b> at Boston Area Climate Experiment (BACE) field site in Waltham, MA Co-director with Colin Orians (Tufts University), Alden Griffith (Wellesley College), and Anna Aguilera (Simmons University)	Apr 2017 – 2020

### Organizer for Conference Panel Sessions:

- Non-majors, 4DEE, and Teaching Ecology for All. Invited and organized 6 speakers for session at ESA Meeting in Montreal, Canada Aug 16, 2022
- Ecological Research as Education Network: Multi-site Collaborative Research in the Undergraduate Classroom. Invited and organized 8 speakers for session at ESA Meeting in New Orleans, LA Aug 9, 2018
- Building Empathy and Using Collaboration to Engage Non-Majors in Learning Environmental Science. Invited and organized speakers with panel at 8<sup>th</sup> AESS Conference in Washington DC June 11, 2016
- Designing Multi-Perspective Activities to Engage Non-Majors in Environmental Science. Invited and organized 4 speakers with panel discussion at 6<sup>th</sup> AESS Annual Meeting in New York City, NY June 12, 2014
- Droughts and Downpours: The Effect of Experimentally Altered Precipitation Patterns on Plant Function and Community Structure. Invited and organized 10 speakers at ESA Annual Meeting in Austin, TX Aug 7-12, 2011

### Current Professional Organization Memberships

Ecological Society of America (ESA)	Ecological Research as Education Network (EREN)
Association for Environ. Studies and Sciences (AESS)	Botanical Society of America (BSA)

### Journal Manuscript Reviewer

*Journal of Ecology, Biogeochemistry, Biological Invasions, AoB PLANTS, Soil Biology & Biochemistry, Microbial Ecology, Ecosphere, PeerJ, Journal of Invasive Plant Science and Management, Journal of Conservation Biology, Journal of Environmental Studies and Sciences, The International Journal of Environmental Cultural Economic and Social Sustainability, American Midland Naturalist, Journal of Mountain Science, Interdisciplinary Journal of Environmental and Science Education, The Natural Areas Journal, Photosynthetica, Perspectives in Plant Ecology, Acta Physiologiae Plantarum, Evolution & Systematics, Journal of Plant Ecology, Northeastern Naturalist, American Biology Teacher Journal, Urban Ecosystems, Agriculture Ecosystems & Environment*

**Editorial Review Board**

Frontiers in Plant Science  
Plants

2015 – present  
2021 – present

**Journal Guest Editor**

Northeastern Naturalist

May 2019

**Grant Proposal Reviewer**

NSF grant reviewer for Career proposal in Division of Environmental Biology  
NSF grant review panel for Dynamics of Coupled Natural and Human (CNH) Systems  
Sigma Delta Epsilon/Graduate Women in Science (SDE/GWIS) National Fellowships Program  
NSF Collaborative Research Grants

Nov 2021  
Mar 2015  
May 2015  
2009, 2010, 2011

**Textbook Reviewer**

*Environment* 7<sup>th</sup> edition by Raven, Berg, Hassenzahl

2009

**College Curriculum Reviewer**

Lesley College Earth Sciences Program

2020

**Promotion and Tenure Reviews Completed for Other Schools**

Indiana University, South Bend, Bloomington, IN  
Washington & Jefferson College, Washington, PA  
University of Rochester, Rochester, NY  
Antioch College, Yellow Springs, OH  
University of St Thomas, Saint Paul, MN  
University of Massachusetts, Amherst, MA

2022  
2021  
2021  
2019  
2018  
2016

**Major Committee Work at Babson College**

Director of Natural Sciences  
Member of College's Tenure and Promotion committee  
Chair of Math and Science Division  
Faculty Mentor for Babson Posse 14 (Posse Foundation)  
Co-Chair of Revising the Undergraduate Curriculum Committee  
Creator of and Coordinator for Environmental Sustainability concentration  
Member College-wide Sustainability Curriculum steering committee  
Undergraduate Academic Policy Committee (voted on)  
Faculty Representative on College Sustainability Leadership Team  
Honor's Council Member  
Co-Chair of Academic Master Plan Task Force  
Babson-Olin-Wellesley Tri-College Faculty Steering Committee  
Teaching Innovation Fund (TIF) Committee (voted on)  
Member or Chair of 12 Hiring Committees for Faculty Positions within Math/Science

July 2022 – present  
Aug 2022 - present  
Aug 2019 – June 2022  
July 2017 – May 2021  
June 2019 – May 2020  
Oct 2010 – May 2019  
Aug 2017 – Oct 2018  
Sept 2014 - Dec 2016  
May 2011 - Sept 2016  
Aug 2013 - May 2016  
Oct 2015 - Jan 2016  
Oct 2013 - Dec 2014  
Sept 2012 - May 2014  
July 2011 – June 2022