

CURRICULUM VITAE

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Education

2016 – University of Miami, Ph.D., Biology, “*Plant Interactions Across Common Mycorrhizal Networks*”

2012 – Fungi and Fungal-like Organisms field course, Organization for Tropical Studies, Costa Rica

2009 – Loyola University of Chicago, B.Sc., Biology with Ecology Emphasis

Professional Experience

2023-Current – Associate Professor, Department of Biology, Environmental Studies Program, North Central College, Naperville, IL

2017-2023 – Assistant Professor, Department of Biology, Environmental Studies Program, North Central College, Naperville, IL

2016 – Postdoctoral Associate, Howard Hughes Medical Institute Undergraduate Science Education Program, University of Miami

2016 – Research Assistant, Howard Hughes Medical Institute Undergraduate Science Education Program, University of Miami

2015 – Teaching Assistant, Howard Hughes Medical Institute Integrated Laboratory, Department of Biology, University of Miami

2014-2015 – Program Assistant, Fairchild Challenge, Fairchild Tropical Botanic Garden

2014 – Teaching Assistant, Evolution and Biodiversity Laboratory, Department of Biology, University of Miami

2013-2014 – Research Assistant, Janos Lab, University of Miami

2013 – Teaching Assistant, General Biology Laboratory, Department of Biology, University of Miami

2012-2013 – Resident Scientist, National Science Foundation GK-12 Science Made Sensible Fellowship, Carol City Middle

2011-2012 – Fellowship Resident Scientist, National Science Foundation GK-12 Science Made Sensible, Richmond Heights Middle

2010-2011 – Teaching Assistant, Ecology Laboratory, Department of Biology, University of Miami

Research Interests

1. Community consequences of common arbuscular mycorrhizal networks on plant interactions for mineral nutrients.

2. The role of course-based research experiences in underrepresented minority student retention within STEM fields, achievement in the classroom, and interest in extracurricular research experiences.

Grants and Funding

- 2023-2028 – *Leadership Experience and Advancement Program in STEM (LEAPS): Promoting transfer student success with leadership development*, #2221160, Scholarships in STEM (S-STEM) Program, Track 1, Division of Undergraduate Education, National Science Foundation (\$750,000; awarded)
- 2023-2024 – Career Life Balance Supplement, Division of Environmental Biology, National Science Foundation (\$47,840 awarded)
- 2022-2027 – CAREER: *The role of common mycorrhizal networks in the establishment, environmental change, and persistence of an invasive plant species in the tallgrass prairie*, #2145142, Faculty Early Career Development Program (CAREER), Division of Environmental Biology, National Science Foundation (\$714,004; awarded)
- 2021 – *Leadership Experience and Advancement Program in STEM (LEAPS): Promoting community college transfer success with leadership development*, Scholarships in STEM (S-STEM) Program, Track 2, National Science Foundation (\$1,500,000; denied)
- 2021 – Faculty Development and Recognition Committee Summer Funding, North Central College, (\$6,450; awarded)
- 2019 – Faculty Development and Recognition Committee Summer Funding, North Central College (\$7,220; awarded)
- 2018 – Faculty Development and Recognition Committee Summer Funding, North Central College (\$9,490; awarded)
- 2017 – *How do common mycorrhizal networks influence plant interactions among native and invasive host plants and consequent fungal community diversity?* Postdoctoral Fellowship in Biology, National Science Foundation (\$168,000; awarded but declined)
- 2014-2016 – *Plant interactions across common mycorrhizal networks*, Doctoral Dissertation Improvement Grant, National Science Foundation (\$19,181; awarded)
- 2015, 2013, 2011 – J. Gerry Curtis Plant Sciences Award, University of Miami (\$1,250; \$1,200; \$1,700; awarded)
- 2013 – Dean's Summer Research Fellowship, University of Miami (\$5,000; awarded)
- 2012 – International Symbiosis Society Travel Scholarship (\$1,000; awarded)

Honors and Awards

- 2024 – Faculty Annual Recognition in Teaching, North Central College
- 2021 – Distinguished Scholarship/Creative Work Award, North Central College
- 2015 – International Mycorrhiza Society Prize Talk Award, 8th International Conference on Mycorrhizas, Northern Arizona University
- 2015 – Second Place Talk Award, 6th Annual Graduate Symposium, Department of Biology, University of Miami
- 2014 – Outstanding Teaching Assistant Award, Department of Biology, University of Miami

- 2014 – First Place Poster Award, 5th Annual Graduate Symposium, Department of Biology, University of Miami
- 2013 – Outstanding Graduate Student Paper Award, Department of Biology, University of Miami
- 2009, 2011, 2012 – Honorable Mention, Graduate Research Fellowship, National Science Foundation

Publications and Presentations

Journal Publications

- 2025^o – Russell, M., Řezáčová, V., Miller K.S., Nardi, W.H., Brown, M., **Weremijewicz, J.** Common Mycorrhizal Networks Improve Survival and Mediate Facilitative Plant Interactions of *Andropogon gerardii* Seedlings Under Drought Stress. *Mycorrhiza*. 35(1) 1-8 <https://doi.org/10.1007/s00572-025-01181-z>
- 2024 – Řezáčová, V., **Weremijewicz, J.**, Michalová, T. A non-native weed, *E. sphaerocephalus*, alters carbon and phosphorus dynamics between native plants and a common mycorrhizal network. *Functional Ecology*. 39(2), 418-431 <https://doi.org/10.1111/1365-2435.14723>
- 2019 – Indorf, J.L.*, **Weremijewicz, J.***, Janos, D.P., Gaines, M.S. Adding authenticity to inquiry in a first-year, research-based, biology laboratory course. *CBE Life Sciences*. 18(3) <https://doi.org/10.1187/cbe.18-07-0126>
- 2019 – **Weremijewicz, J.** & Janos, D.P. Investigation of plant interactions across common mycorrhizal networks using rotated cores. *Journal of Visualized Experiments*. (145), e59338, <https://doi.org/10.3791/59338> [Link to video](#)
- 2018 – **Weremijewicz, J.**, Sternberg L da SL, Janos, D.P. Arbuscular common mycorrhizal networks mediate intra- and interspecific interactions of two prairie grasses. *Mycorrhiza*. 28(1), 71-83 <http://doi.org/10.1007/s00572-017-0801-0>
- 2016 – **Weremijewicz, J.**, Sternberg L da SL, Janos, D.P. Common mycorrhizal networks amplify competition by preferential mineral nutrient allocation to large host plants. *New Phytologist*. 212(2): 461-471 <http://doi.org/10.1111/nph.14041>
- 2016^o– **Weremijewicz, J.**, and Seto, K. Mycorrhizas influence functional traits of two tallgrass prairie species. *Ecology and Evolution*. 6(12), 3977-3990 <https://doi.org/10.1002/ece3.2129>
- 2016^o – **Weremijewicz, J.**, Almonte, J.I., Hilaire, V.S., Lopez, F.D., Lu, S.H., Marrero, S.M., Martinez, C.M., Zarate, E.A., Lam A.K., Ferguson, S.A.N., Petrakis, N.Z., Peeples, K.A., Taylor, E.D., Leon, N.M., Valdes, C., Reeve, A.B., Hass, M.A., Palow, D.T., Downing, J.L., Microsatellite primers for two threatened orchids in Florida; *Encyclia tampensis* and *Cyrtopodium punctatum* (Orchidaceae). *Applications in Plant Sciences*. 4(4): 1500095 <https://doi.org/10.3732/apps.1500095>
- 2013 – **Weremijewicz, J.**, and Janos, D.P. Common mycorrhizal networks amplify size inequality in *Andropogon gerardii* populations. *New Phytologist*. 198(1) 203-213 <https://doi.org/10.1111/nph.12125>
- 2012 – Galloway, M.M., DiGangi, J.P., Hottle, J.R., Huisman, A.J., Mielke, L.H., Alaghmand, M., Shepson, P.B., **Weremijewicz, J.**, Klavon, H., McNeal, F.M., Carroll, M.A., Griffith, S., Hansen, R.F., Stevens, P.S., Bertman, S.B., and F.N. Keutsch. Observations and

modeling of formaldehyde at the prophet mixed hardwood forest site in 2008.
Atmospheric Environment 49:403-410 <https://doi.org/10.1016/j.atmosenv.2011.09.053>

* The authors contributed equally to the manuscript

¶ Publication with high school students or undergraduates

Invited Symposium Presentations

- 2024 - **Weremijewicz, J.** “Water movement within arbuscular common mycorrhizal networks may not abide by the “reciprocal rewards” hypothesis” 12th International Conference on Mycorrhizas, Manchester, United Kingdom.
- 2017 – **Weremijewicz, J.**, Sternberg L da SL, Janos, D.P “Arbuscular common mycorrhizal networks mediate plant intra- and interspecific interactions” 9th International Conference on Mycorrhizas, Prague, Czech Republic

Invited Research Seminars

- 2025 – **Weremijewicz, J.** “Unveiling the Hidden World Beneath Our Feet: Exploring Common Mycorrhizal Networks,” Loyola University of Chicago, Chicago, IL
- 2025 – **Weremijewicz, J.** “Unveiling the Hidden World Beneath Our Feet: Exploring Common Mycorrhizal Networks,” Science Lecture Series, Triton College, River Grove, IL
- 2023 – **Weremijewicz, J.** “The hidden influence of mycorrhizal networks in plant interactions,” Loyola University of Chicago, Chicago, IL
- 2020 – **Weremijewicz, J.** “Belowground networks- The remarkable influence of common mycorrhizal networks on plant interactions” DePaul University, Chicago, IL
- 2016 – **Weremijewicz, J.** “Belowground networks- The hidden influence of symbiotic fungi on plant interactions” North Central College, Naperville, IL
- 2016 – **Weremijewicz, J.** “Belowground networks- the hidden influence of symbiotic fungi on plant interactions and nutrition” Science @ South Seminar Series, Broward College, Pembroke Pines, FL
- 2016 – **Weremijewicz, J.** “Plant interactions across common mycorrhizal networks” Plant Sciences Seminar Series, Florida International University, Miami, FL
- 2012 – **Weremijewicz, J.** “Common mycorrhizal networks amplify size inequality in *Andropogon gerardii* populations” Winter Seminar Series, Broward College, Davie, FL

Contributed Oral Presentations

- 2024 – **Weremijewicz, J.**, Henriksson, N. Workshop: Common Mycorrhizal Networks- Who’s the Boss? 12th International Conference on Mycorrhizas, Manchester, United Kingdom.
- 2022 – Sallee, J., Ruthig, G., Mitra, C., Visick, J., Johnston, S.D., **Weremijewicz, J.** Researching mosquito-borne viruses as a vector to improve introductory biology, Scholarship of Pedagogy Symposium, Associated Colleges of the Chicago Area, Judson University, Elgin, IL
- 2021 – **Weremijewicz, J.** Moving beyond solidarity and towards anti-racism in STEM, Martin Luther King Jr. Vision Day, North Central College, Naperville, IL
- 2019 – **Weremijewicz, J.**, Indorf, J.L., Janos, D.P., Gaines, M.S. Adding Authenticity to Inquiry in a First-Year, Research-Based, Biology Laboratory Course. SoTL Showcase.

Scholarship of Pedagogy Symposium, Associated Colleges of the Chicago Area, North Central College, Naperville, IL

- 2017 – **Weremijewicz, J.**, Integrating Biology and Chemistry in Research-Based Introductory Laboratory Courses. Scholarship of Pedagogy Symposium, Associated Colleges of the Chicago Area, University of St. Francis, Joliet, IL
- 2017 – Indorf J.L., **Weremijewicz, J.**, Gaines, M.S., Impact of authentic research based introductory lab courses on students at a research university and a community college. Understanding Interventions that Broaden Participation in Science Careers: Advancing Local Interventions towards Systematic Change, San Antonio, Texas
- 2015 – **Weremijewicz, J.**, Sternberg L da SL, Janos, D.P. Common mycorrhizal networks sustain competition and preferentially allocated ¹⁵N to large plants. 8th International Conference on Mycorrhizas, Northern Arizona University, Flagstaff, Arizona, USA
- 2015 – **Weremijewicz, J.** Is belowground competition always symmetric? University of Miami Symposium, Coral Gables, FL
- 2012 – **Weremijewicz, J.** Common mycorrhizal networks induce inequality in size distribution of *Andropogon gerardii* populations. University of Miami Symposium, Coral Gables, FL
- 2011 – **Weremijewicz, J.** The effect of the common mycorrhizal network on intraspecific plant interactions. University of Pretoria Symposium, Pretoria, South Africa

Poster Presentations

- 2024 – Perkins, R.M., **Weremijewicz, J.**, Gill, M.J., Stefanik, M.T. Lessons Learned from Implementing an S-STEM Track 1 Project at a Primarily Undergraduate Institution. Scholarships in STEM Meeting, Chicago, IL, USA
- 2024 – Řezáčová, V., **Weremijewicz, J.**, Némethová, E., Michalová, T. A non-native weed alters carbon and phosphorus dynamics between native plants within an arbuscular common mycorrhizal network. International Microbiological Societies Congress. Florence, Italy
- 2024^φ – Baker, N.F., Rosales, I.J., Jarchow, A., Vera, L., **Weremijewicz, J.** Assessing the Degraded and Enhanced Mutualism Hypotheses by Quantifying a Native and Invasive Hosts' Dependence upon and Responsiveness to Arbuscular Mycorrhizal Fungi. 12th International Conference on Mycorrhizas, Manchester, United Kingdom
- 2023^φ – Baker, N.F., Rosales, I.J., Vera, L., Jarchow, A., **Weremijewicz, J.** “Quantifying the Relationship Between Arbuscular Mycorrhizal Fungi and a Native and Invasive Thistle” Midwest Ecology and Evolution Conference, University of Louisville, Kentucky.
- 2019 – **Weremijewicz, J.** & Janos, D.P. Investigation of plant interactions across common mycorrhizal networks using rotated cores. 10th International Conference on Mycorrhizas, Merida, Mexico
- 2017 – **Weremijewicz, J.**, Indorf, J.L., Gaines, M.S. Benefits of Authentic Research-based Courses. Undergraduate Biology Education Research Gordon Conference, Stonehill College, MA, USA
- 2017 – **Weremijewicz, J.**, Indorf, J.L., Belmont, H.J., Gaines, M.S. Authentic research-based introductory laboratory courses at a community college. National Institute of General

- Medical Sciences (NIGMS) of the National Institutes of Health Training, Workforce Development, and Diversity Program Directors' Meeting. Baltimore, MD, USA
- 2017 – Moore, D., and **Weremijewicz, J.** Student experiences, attitudes, and learning outcomes of an authentic research laboratory course using the sea urchin, *Lytechinus variegatus*, as a model organism.” National Marine Educators Association Meeting, Charleston, SC, USA
- 2016 – **Weremijewicz, J.**, Janos, D.P.: “Common mycorrhizal networks foster overyielding by *Andropogon gerardii* and enhance survival of *Elymus canadensis*” Ecological Society of America Meeting, Fort Lauderdale, FL, USA
- 2014 – **Weremijewicz, J.**, Janos, D.P.: “Phosphorus response of mycorrhizal versus non-colonized *Andropogon gerardii*” 5th Annual Graduate Symposium, Department of Biology, University of Miami, Coral Gables, FL, USA
- 2013 – **Weremijewicz, J.**, Janos, D.P.: “Common mycorrhizal networks amplify size inequality in *Andropogon gerardii* populations” 7th International Conference on Mycorrhizas, New Delhi, India
- 2012 – **Weremijewicz, J.**, Janos, D.P.: “Common mycorrhizal networks amplify size inequality in *Andropogon gerardii* populations” 7th Congress of the International Symbiosis Society, Krakow, Poland
- 2012 – **Weremijewicz, J.**, Arienzo, M, Monroe, T, Delgadillo, R, Gaines, M. “The University of Miami Science Made Sensible Program: Making Connections Through Innovation.” Graduate STEM Fellows in K-12 Education Annual Conference, Washington, DC, USA
- 2011 – **Weremijewicz, J.**, Janos, D.P.: “Does a common arbuscular mycorrhizal network affect plant intraspecific competition among *Psidium guajava* L. seedlings?” Research, Creativity and Innovation Forum, Coral Gables, FL, USA
- 2011 – **Weremijewicz, J.**, and D. P. Janos: “Does a common arbuscular mycorrhizal network affect plant intraspecific competition?” 2nd Annual Graduate Symposium, Department of Biology, University of Miami, Coral Gables, FL, USA

Conference Participation (since 2010)

- 2024 – Scholarship in STEM Scholars and PI Meeting, Chicago, IL, USA
- 2024 – 12th International Conference on Mycorrhizas, Manchester, England
- 2024 – Chicago Plant Symposium, Chicago Botanic Garden, Glencoe, IL, USA
- 2021 – Scholarship of Pedagogy Symposium, Associated Colleges of the Chicago Area, North Central College, Naperville, IL, USA
- 2020 – Scholarship of Pedagogy Symposium, Associated Colleges of the Chicago Area, North Central College, Virtual
- 2020 – Ecological Society of America, Salt Lake City, Utah, Virtual
- 2019 – Scholarship of Pedagogy Symposium, Associated Colleges of the Chicago Area, North Central College, Naperville, IL, USA
- 2019 – 10th International Conference on Mycorrhizas, Merida, Mexico
- 2017 – Scholarship of Pedagogy Symposium, Associated Colleges of the Chicago Area, Joliet, IL, USA
- 2017 – Gordon Research Conference on Undergraduate Biology Education, Easton, MA, USA
- 2017 – 9th International Conference on Mycorrhizas, Prague, Czech Republic
- 2016 – Ecological Society of America Meeting, Fort Lauderdale, FL, USA

2015 – 8th International Conference on Mycorrhizas, Flagstaff, AZ, USA
2013 – 7th International Conference on Mycorrhizas, New Delhi, India
2012 – 7th Congress of the International Symbiosis Society, Krakow, Poland
2012 – Graduate STEM Fellows in K-12 Education Annual Conference, Washington, DC, USA
2011 – Research, Creativity and Innovation Forum, Coral Gables, FL, USA

Popular Press and Public Outreach Presentations and Publications

2015 – “Symbiotic Super Powers” <https://vimeo.com/128943934>
2015 – “Graduate Student Spotlight”, Department of Biology webpage, University of Miami,
<http://www.as.miami.edu/biology/>
2014 – “UM Biology Ph.D. Student Receives Dissertation Support Grant from National Science Foundation,” Arts and Sciences Magazine, University of Miami
2014 – “UM Biology Ph.D. Student Receives Dissertation Support Grant from National Science Foundation,” College of Arts and Sciences News and Events, June 30, 2014

Teaching

Undergraduate Courses at North Central College

BIOL106/ENVI106 Introduction to Environmental Science
BIOL195 Investigating Biology
BIOL205 Exploring Biology
BIOL320 Plant Growth and Function
BIOL320 Plant Growth and Function Lab
BIOL325 Plant Interactions in a Changing World
BIOL325 Plant Interactions in a Changing World Lab
BIOL451 Organisms and Their Environment Capstone
BIOL451L Organisms and Their Environment Capstone Lab
BIOL450 Environmental Ecology Capstone
BIOL450 Environmental Ecology Capstone Lab
BIOL290/490 Biology Seminar
BIOL399 Independent Study
ENVI399 Independent Study
BIO106L/ENV106L Introduction to Environmental Science Lab
BIO151 Biological Investigations
BIO152L Biological Investigations Lab II
BIO253 Ecology and the Environment
BIO253 Ecology and the Environment Lab
BIO151L Biological Investigations Lab
BIO301 Plant Physiology
BIO301L Plant Physiology Lab

Undergraduate Courses at the University of Miami

BIL152 Howard Hughes Medical Institute Integrated Biology-Chemistry Laboratory
BIL161 General Biology Laboratory: Ecology and Evolution
BIL151 General Biology Laboratory
BIL236 Ecology Laboratory (Writing Intensive)

Mentorship – North Central College

Biology Undergraduate Research

- 2024 – “The role of common mycorrhizal networks in mediating plant interactions for invasive Canada Thistle (*Cirsium arvense*)” (8 undergraduate students, 1 high school student)
- 2023 – “How do common mycorrhizal networks affect the growth of *Cirsium arvense* and *C. discolor* in competition?” and “The effect of container size on the morphology of *Cirsium arvense* and *C. discolor*” (2 undergraduate students)
- 2022 – “Quantifying the Relationship between Mycorrhizal Fungi and a Native and Invasive Thistle” (3 undergraduate students, 1 high school student)
- 2021 – Summer Research, “The role of roots and common mycorrhizal networks in plant interactions” (5 students)
- 2020 – Richter Grant Proposal, “Arbuscular Mycorrhizal Fungi: How to Fight the Fertilizer Frenzy” (1 student; Awarded)
- 2020 – “Common mycorrhizal networks positively impact plant growth in Big Bluestem (*Andropogon gerardii*) under drought conditions (1 student)
- 2019-2020 – “Quantification of Root and Soil Mycorrhizal Fungi Through Neutral Lipid and Phospholipid Fatty Acid Extraction in a Greenhouse Experiment” (2 students)
- 2018-2019 – Richter Grant, “Sharing is caring for your siblings: Kin recognition in Big Bluestem populations across common mycorrhizal networks” (1 student; Awarded)
- 2018 – “The mutualism-parasitism continuum of arbuscular mycorrhizal fungi with Big Bluestem (*Andropogon gerardii*)” (2 students)
- 2017-2018 – “Big Bluestem Growth Responses to Mycorrhizal Fungi Under a Gradient of Manganese Soil Fertility” (1 student)

Environmental Studies Experiential Component

- 2023 – “The Construction of a Hydroponic System in the Wentz Science Center & Observations of Nutrient Recycling Potential”
- 2022 – “A History of Glomalin”
- 2022 – “Increasing Awareness about Ocean Conservation through Collaboration with the Inland Ocean Coalition”
- 2021 – “Understanding Mycorrhizae for a Healthy Environment”
- 2020 – “Examining the Importance of Local Food for the Wellbeing of our Environment and Society”
- 2020 – “Investigating sustainable light intensity for the best growth of coral species *Pachyclavularia violacea*, *Zoanthus pulchellus*, and *Capnella imbricate*”
- 2020 – “Restoration of Illinois Prairies and Wetlands”
- 2020 – “Restoring Prairies in the Forest Preserves of Winnebago County, Illinois”
- 2020 – “The Importance of Trees, Green Spaces, and Tree Inventories”
- 2019 – “What Makes an Ideal Prairie Grass for Restoration?”

Letters of Recommendation

- 2022 – 7 students; 1 acceptance into a National Science Foundation Research Experience for Undergraduates program
- 2021 – 2 students; 1 acceptance into a professional position and 1 acceptance into graduate school
- 2020 – 8 students; 1 acceptance into medical school
- 2019 – 9 students; 1 acceptance into a PhD Program, 1 acceptance into a Psy.D. program and 1 acceptance into Honor's Program at North Central College
- 2018 - 7 students; 1 successful PhD program acceptance, 2 acceptances into the NSF-REU program, 1 Megan Sweeny Award at North Central College, and 1 acceptance into Honor's Program at North Central College

Honors Theses

- 2020 – Second Reader, “Differential Rearing affects drug use and relapse in adult male Sprague-Dawley rats”

High School Student Research Mentor

- 2020 – “The effect of electromagnetic fields on plant growth in Mars-like soil” Mentor Matching Engine, Illinois Science and Technology Institute (3 students)
- 2019 – “Does Blacklight Affect the Growth of Plants?” Mentor Matching Engine, Illinois Science and Technology Institute (4 students)
- 2019 – “Effects of Restoration on Fungi in Forest Park Nature Center” Mentor Matching Engine, Illinois Science and Technology Institute (4 students)
- 2015 – Microsatellite primers for two threatened orchids in Florida; *Encyclia tampensis* and *Cyrtopodium punctatum* (Orchidaceae) (14 students)

Mentorship- University of Miami

- 2010-2016 – 9 students mentored in research experiences
- 2015 – 2 students mentored in the Science Made Sensible Program at the University of Miami

Service – North Central College

Departmental

- 2023 – Environmental Science B.S. Major Committee, Environmental Studies Program, North Central College
- 2020-present – Faculty Leader, First-gen Cardinals Biology, a discipline-specific CardinalFirst group
- 2020, 2019 – Biology and Environmental Studies Department Representative, Freshman Visit Days
- 2019 – Member, Professional Development Committee, Environmental Studies Program
- 2017-present – Manager, Greenhouse Facility
- 2017-present – Member, Environmental Studies Interdisciplinary Program

Collegial Activity

- 2024 – Committee Member, Financial and Operational Sustainability, NCForward Strategic Planning Council

- 2024 – Co-leader, Peer Mentor Training, Leadership Experience and Advancement Program in STEM
- 2024 – Co-leader, Inclusive Mentoring in STEM, Faculty Colloquium, Center for the Advancement of Faculty Excellence (CAFÉ)
- 2023 – Presenter, Spotlight Peer Research Session, Intellectual Community Series
- 2021-2023 – Representative, Promotion and Tenure Committee
- 2022 – Panelist, CAFÉ New Faculty Orientation: Faculty Panel
- 2022 – Research Mentor, *Veronika Řezáčová, Ph.D., Crop Research Institute, Prague, Czech Republic* - Trained a colleague in methods used to investigate common mycorrhizal networks and provided support on an international grant proposal
- 2022 – Presenter, Adding Authenticity to Inquiry in a First-Year, Research-Based, Biology Laboratory Course, The Robert Noyce Teacher Scholarship Program Luncheon
- 2020- 2022 – Representative, Richter Grant Committee
- 2019-present – Representative, Undergraduate Research Council
- 2018-present – Member, Tree Committee
- 2020 – Panelist and organizer, TEDx Countdown
- 2020 – Contributor, Howard Hughes Medical Institute Inclusive Excellence Grant Proposal
- 2020 – Representative, Computer Science Instructor Position Search Committee
- 2020 – Panelist, CAFÉ Teacher Scholars: Reflecting on our Teaching Practice
- 2019 – Member, ACCA Shedd Aquarium Internship Committee
- 2019 – Featured Scholar, CAFÉ Afternoon Tea Hosted by the Dean of CAS
- 2018 – Secretary, General Education Committee
- 2018 – Presenter, CV and Resume Workshop, Summer Undergraduate Research Colloquium
- 2017 – Panelist, *Hurricane Roundtable Discussion*, Environmental Studies Program
- 2017 – Student Awards Committee Co-Chair, *9th International Conference on Mycorrhizas*, Prague, Czech Republic

Outreach with students

- 2019 – Lead Organizer, Science Immersion Cardinal Camp
- 2019, 2018, 2017 – Faculty Speaker, Cardinal First Friday Lunch Workshop
- 2020, 2019, 2018, 2017 – Guest Faculty Member, Cardinal First Sophomore Supper
- 2018 – Faculty Leader, D-term trip to Guatemala with ENACTUS
- 2018 – Faculty Mentor, Science Immersion Cardinal Camp

Public Outreach

- 2024 – “Unveiling the Hidden World Beneath Our Feet: Exploring Common Mycorrhizal Networks,” Public Nature Programs, Forest Preserve District of Kane County, St. Charles, IL
- 2020 – Junior and Senior Scholars High School Program, North Central College

2020- Consultant, “One Strange Rock 2” by National Geographic, “Swarm” episode, Nutopia Production Company

2020 – Scientist, Obama Legacy Initiative, Naperville, IL

2019-2020 – Mentor, Illinois Science & Technology Institute, Chicago, IL

Service – University of Miami

Departmental

2014-2015 – Member, Microbial Symbiosis and Ecosystem Ecologist job search committee

2013-2014 – President, Biology Graduate Student Organization

2013 – Alumni Weekend volunteer, taught about mycorrhizal research

2013 – Judge, Research Creativity and Innovation Forum for Undergraduates

2012-2013 – Member, Kushlan Chair search committee

2012-2013 – Member, Biology Curriculum Committee

2011-2012 – Member, Graduate Admissions and Advisory Committee

2011 – Panelist, Graduate Student Association Information Session for Undergraduate Applying to Graduate School

Collegial Activity

2015 – Panelist, *Graduate School Panel for Leadership Alliance, IMSD and HHMI fellows*, University of Miami, Coral Gables, FL

2015 – Organizer and research mentor - Fairchild Challenge High School Internship Program, *Development and testing of microsatellite primers for Encyclia tampensis and Cyrtopodium plantatum*, Fairchild Tropical Botanic Garden, Coral Gables, FL

2014 – Organizer and Panelist - *Applying for the National Science Foundation Doctoral Dissertation Improvement Grant Panel Discussion*- University of Miami

2014 – Research Mentor - *Nandor Garamszegi, PhD* - Trained a colleague in the identification of mycorrhizal and saprotrophic fungi in root organ cultures, Janos Laboratory, Department of Biology, University of Miami

2013 – Summer institute co-leader – *Problem based learning and Building an Inquiry Based Lab* – National Science Foundation GK-12 Science Made Sensible Summer Institute, University of Miami

2012 – Workshop co-leader and volunteer – *Problem based learning and Web 2.0 in the classroom* – South African Agency for Science and Technology Advancement (SAASTA) in collaboration with Miami Museum of Science and University of Miami

2012 – Summer institute co-leader – *Problem based learning and Building an Inquiry Based Lab* – National Science Foundation GK-12 Science Made Sensible Summer Institute, University of Miami

2012 – Workshop co-leader – Problem based learning in a middle school classroom – Miami-Dade County Public Schools Workshop, University of Miami

2010 – Panelist- Information Session for Undergraduates Applying to Graduate School – Department of Biology, University of Miami

Public outreach

- 2016 – HHMI High School Scholars Summer Program Coordinator, University of Miami, Coral Gables, FL
- 2015 – High school internship program coordinator, Fairchild Tropical Botanic Garden, , Coral Gables, FL
- 2014-2015 – Classroom Scientist, Richmond Heights Middle School AgriScience Program, Miami, FL
- 2014 – Presenter, *Starting a School Garden*, George Washington Carver Middle School, Miami, FL, Miami, FL
- 2014 – Presenter, *Starting a School Garden*, North Miami Middle School, Miami, FL
- 2013 – Member of Fairchild Palms, 501 (c) nonprofit organization, Organizer of the Fairchild Fine Wines|Upscale Ales charity event for The Fairchild Challenge, Coral Gables, FL
- 2013 – Environmental Action panel judge, The Fairchild Challenge, Fairchild Tropical Botanic Garden, Coral Gables, FL
- 2013 – Science Experiments: Environmental Science judge, The Fairchild Challenge, Fairchild Tropical Botanic Garden, Coral Gables, FL
- 2012 – Science Stars guest presenter, Miami Museum of Science, “Symbioses make the world go round,” and created an activity for an assembly to Shadowlawn Elementary students in little Haiti, Miami, FL
- 2012 – Inquiry based learning in the classroom, laboratory, and field, consultant for Richmond Heights Middle School laboratory, Miami, FL
- 2012 – “Project Rise” Professional Development for Miami-Dade Public School teachers Web 2.0 facilitator, Coral Gables, FL
- 2010 – Fairchild Tropical Garden Ramble Gifford Arboretum volunteer, Coral Gables, FL

Professional Training

- 2024 – STEM Programs Gateway Workshop, Partnership for Undergraduate Life Sciences Education (PULSE) Ambassadors Program
- 2021-2022 – Scholarships in STEM Workshop, Rochester Institute of Technology
- 2021 – Multivariate Analysis in Community Ecology with PC-ORD Webinar Training and Short Course, JeriLynn Peck, The Pennsylvania State University
- 2020 – Addressing Inequities in Higher Education Post-COVID, Howard Hughes Medical Institute, Department of Science Education, Virtual
- 2020 – Empower Students for Academic Success: Teaching Students Study Skills Informed by the Science of Learning, University of New Hampshire, Virtual
- 2018, 2019 – Assessment Design Workshop Series, North Central College, Naperville, IL
- 2018, 2019 – Sustaining the Globe Summer Seminar
- 2017 – New Faculty Institute, Center for the Advancement of Faculty Excellence, North Central College, Naperville, IL

- 2017 – Effective Mentoring Workshop, Dr. Evelyn Frazier, National Research Mentoring Network, University of Miami, Coral Gables, FL
- 2016 – “PORTAAL (Practical Observation Rubric to Assess Active Learning) Workshop” Dr. Mary Pat Wenderoth, University of Miami, Coral Gables, FL
- 2012 – “Implicit Bias” Search Committee Workshop, University of Miami, Coral Gables, FL

Professional Society Membership (*currently active)

- *American Society of Plant Biologists
- *International Mycorrhiza Society
- *Ecological Society of America
- *Mycological Society of America
- Soil Ecology Society
- 500 Women Scientists Chicago
- Sigma Xi
- International Symbiosis Society

Peer Reviewer

Scientific Journals

- 2025, 2023, 2021, 2020, 2019, 2018, 2017, 2016 – *Mycorrhiza*
- 2023, 2020, 2019, 2017 – *Plant and Soil*
- 2022, 2018, 2015 – *Journal of Ecology*
- 2022, 2017 – *Fungal Ecology*
- 2021, 2020, 2017, 2016 – *New Phytologist*
- 2020 – *Ecology Letters*
- 2020 – *Biology Letters*
- 2020 – *Plant Ecology*
- 2020 – *Plants People Planet*
- 2020 – *Forests*
- 2020 – *Symbiosis*
- 2020 – *Journal of Plant Ecology*
- 2019 – *Archives of Agriculture and Soil Science*
- 2019 – *PLOS One*
- 2018 – *Ecology and Evolution*
- 2017 – *American Journal of Undergraduate Research*
- 2014 – *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences*

Number of manuscripts reviewed since 2016: 47

Grant Proposals

- 2024 – Panelist, Research and Mentoring for Postbaccalaureates in Biology (RaMP) Program, Division of Environmental Biology, Directorate of Biological Sciences, National Science Foundation
- 2024 – Ad hoc Reviewer, Faculty Early Career Development (CAREER) Program, Division of Environmental Biology, Directorate of Biological Sciences, National Science Foundation
- 2023 – Ad hoc Reviewer, Core Programs, Division of Environmental Biology, National Science Foundation
- 2017 – AgreeSkills Programme, National Institute for Agricultural Research, France