

ANDREA BRUCE

andi.mycology@gmail.com

University of Wisconsin-La Crosse • Department of Biology • 1725 State St, La Crosse, WI 54601

EDUCATION

- In Progress **Master of Science in Biology**
Concentration: Mycology
University of Wisconsin-La Crosse
- 2010 **Bachelor of Arts in Environmental Studies**
Concentration: Environmental Sustainability and Social Justice
San Francisco State University

RESEARCH & TEACHING EXPERIENCE

- 2014 – Present **Graduate Research Biologist**, UW-La Crosse. Dr. Todd Osmundson & Dr. Tom Volk's laboratories. Department of Biology. La Crosse, WI.
- 2017 **Teaching Assistant**, UW-La Crosse. Medical Mycology: Biology 513.
- 2016 **Teaching Assistant**, UW-La Crosse. Mycology: Biology 512.
- 2014 – 2015 **Graduate Lab Instructor**, UW-La Crosse. General Biology: Biology 105.
- 2015 **Teaching Assistant**, UW-La Crosse. Organismal Biology: Biology 203.
- 2015 **Teaching Assistant**, UW-La Crosse. Girls in Science and Boys' Science Exploration Camps.
- 2013 – 2014 **Staff Research Associate**, UC-Irvine. Dr. Kathleen Treseder's laboratory. Department of Ecology and Evolutionary Biology. Irvine, CA.
- 2013 – 2014 **Research Intern**, UC-Irvine. Center for Environmental Biology. Irvine, CA.

AWARDS

- 2018 **Graduate Student Professional Travel Award**. Office of University Graduate Studies, UW-La Crosse.
- 2017 **Translational Mycology Award**. Mycological Society of America.
- 2017 **Mentor Student Travel Award**. Mycological Society of America.
- 2016 **Fungi Challenge Grant**. Experiment, New York City.
- 2016 **Research, Service, and Educational Leadership Grant**. Office of University Graduate Studies, UW-La Crosse.
- 2016 **Graduate Student Professional Travel Award**. Office of University Graduate Studies, UW-La Crosse.

PROFESSIONAL SERVICE

- 2016 – 2018 **Secretary**, Mycological Society of America Student Section Executive Board

ACADEMIC PRESENTATIONS

- 2018 Beyond the Lab Bench: How to Engage in Effective Online Science Communication. Workshop. International Mycological Congress. San Juan, Puerto Rico.
- 2017 STEM Educational Module Development Teacher's Workshop on Fungal Biology and Biodiversity. Mycological Society of America. Athens, GA.
- 2017 **Bruce, A.L.**, T.W. Osmundson. Tracing the naturalization of golden oysters in the United States. Poster. Mycological Society of America. Athens, GA.
- 2016 **Bruce, A.L.**, K.R. Rolhus, T.W. Osmundson. Can co-inoculation of brown and white rot fungi increase degradation of crude oil in soils? Poster. Mycological Society of America. Berkeley, CA.
- 2015 **Bruce, A.L.**, T.W. Osmundson, M.R. Maltz. Plant functional group diversity and restoration methods influence fungi in restored coastal sage scrub ecosystems. Poster. Mycological Society of America. Edmonton, Alberta, Canada.
- 2014 **Bruce, A.L.**, M.R. Maltz, K.K. Treseder. Ecological restoration methods influence soil fungal activity. Poster. Ecological Society of America. Sacramento, CA.

SPEAKING ENGAGEMENTS & VOLUNTEER HISTORY

- 2018 **Invited Speaker**, Minnesota Mycological Society. St. Paul, MN. Talk: Invisible Invaders: Understanding the spread of non-native golden oyster mushrooms.
- 2018 **Speaker**, Radical Mycology Convergence. Mulino, OR. Presented talks on invasive saprotrophic fungi and fungal life cycles.
- 2017 **Invited Speaker**, Mycelium Mysteries: A Women's Mushroom Retreat. Almond, WI. Led workshops on fungal life cycles, decay, culturing techniques.
- 2017 **Invited Speaker**, Midwest Women's Herbal Conference. Almond, WI. Medicinal mushroom presentation co-taught with Ariel Barkeim, ND.
- 2017 **Guest Speaker**, WisCorps, Inc. La Crosse, WI. Basic mushroom identification presentation & mushroom foray.
- 2017 **Guest Speaker**, Lamar Middle School. Irving, TX. (Virtual talk via Nepris.com) Introduced Chytrids and their role in global decline of frog species.
- 2016 – 2017 **President**, Mycology Club. UW-La Crosse.
- 2015 – 2016 **Farm Operations Assistant**, Herbal Turtle Farms. Winona, MN. Assisted with outdoor mushroom cultivation operations and market sales, provided troubleshooting consultation.
- '14-'16, '17-'18 **Vice-President**, Mycology Club. UW-La Crosse.
- 2013 **Program Coordinator**, Global Service Corps. San Francisco, CA. Served as liaison between volunteer program directors, in-country staff, partner organizations, universities, and volunteers.
- 2011 **Garden Director**, Suvia Children's Home. Mbooni District, Kenya. Directed installation of organic gardens and composting systems.
- 2011 **Sustainable Agriculture Intern**, Global Service Corps. Arusha, Tanzania. Led free public programs teaching sustainable agriculture concepts.