

**Curriculum Vitae**  
**Marisa B. Szubryt**

University of Oklahoma (OU)  
Ecology and Evolutionary Biology track  
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**Education**

Ph.D. Candidate, Ecology and Evolutionary Biology  
Dissertation: Systematics of *Heterotheca* (Asteraceae: Astereae)  
University of Oklahoma, School of Biological Sciences  
May 2022 – present

M.S., Biological Sciences  
Thesis: Systematics of North American Astereae (Asteraceae)  
Southern Illinois University Carbondale, Biological Sciences Department  
January 2018 – July 2020

B.S., Plant Biology  
Thesis: Phylogenetics of *Euthamia* (Asteraceae: Astereae) and *Asteromyia euthamiae*  
(Cecidomyiidae: Alycaulini)  
Southern Illinois University Carbondale, Plant Biology Department (Systematics Specialization  
with Chemistry Minor)  
August 2014 – December 2017

**Work and Research Experience**

Herbarium Research Assistant (OU), January 2025 – August 2025  
Herbarium Research Assistant (OU), May 2024 – August 2024  
Graduate Research Assistant (OU) May 2023 – December 2023  
Graduate Research Assistant (OU), May 2022 – December 2022  
Biomanufacturing Operator I (Aldevron), January 2022 – May 2022  
Laboratory Analyst (RMB Environmental Labs), April 2021 – December 2021  
Administrative Assistant (Survivor Empowerment Center, Inc.), August 2020 – April 2021  
Graduate Research Assistant (Southern Illinois University / SIU), August 2019 – July 2020  
Summer Undergrad Laboratory Intern (Argonne National Laboratory), May 2017 – August 2017  
Gene Discovery and Annotation Assistant (SIU), May 2016 – August 2016  
Laboratory Assistant (SIU), February 2016 – December 2017  
Undergraduate Research Assistant (SIU), September 2015 – August 2016  
Wetland Ecology Field Assistant (SIU), March 2015 – August 2015  
Greenhouse Assistant (SIU), August 2014 – December 2016

## Teaching Experience

### Graduate Teaching Assistant (OU)

Plant Systematics (PBIO 4534): Spring 2026 (Dr. Abby Moore)

Introduction to Microbiology (BIOL 3812): Fall 2025 (Dr. Kristen Savage-Ashlock)

Herbaria: Concepts and Application (BIOL 4970-052): Summer 2025 (Dr. Abby Moore)

Ecology, Evolution, and Diversity (BIOL 1134): Autumn 2024 (Dr. Paul Klawinski)

Plant Systematics (PBIO 4534): Spring 2024 (Dr. Abby Moore)

Introduction to Microbiology (MBIO 2815): Spring 2023 (Dr. Kristen Savage-Ashlock)

### Graduate Teaching Assistant (SIU)

Ethnobotany (PLB117): Fall 2018 (Dr. Sedonia Sipes)

Elements of Plant Systematics (PLB408): Spring 2018, Spring 2019 (Dr. Kurt Neubig)

Quantitative Biogeography (ZOOL535): Fall 2019 (Dr. Jason Brown)

### Undergraduate Volunteer Teaching Assistant (SIU)

Elements of Plant Systematics (PLB304): Spring 2017 (Dr. Kurt Neubig)

## Publications

**Szubryt, MB.** 2023. *Haplopappus* Cass. (Astereae) *sensu* Hall: A polyphyletic conundrum revealed by plastid data. *Capitulum* 2(2): 33-50.

**Szubryt, MB.**, Skinner, K., O'Loughlin, E., Koval, J. Kemner, K., and Weisenhorn, PB. 2020. Wetland plant evolutionary history influences soil and endophyte microbial community composition. *BioRxiv*. doi: <https://doi.org/10.1101/2020.06.22.165738>

**Szubryt, MB.**, Urbatsch, LE., and Neubig, KM. 2020. Morphological, molecular, and biogeographic evidence for specific recognition of *Euthamia hirtipes* and *E. scabra* (Asteraceae, Astereae). *Systematic Botany* 45(3): 658-667.

**Szubryt, MB.** 2018. Wetland plant evolutionary history influences soil and endophyte microbial community composition. *Wetland Science & Practice* 35(4): 328-334.

Geisler-Lee J., Liu X., Rang W., Raveendiran J., **Szubryt MB.**, Gibson DJ., Geisler M., and Cheng Q. 2017. Image-based analysis to dissect vertical distribution and horizontal asymmetry of conspecific root system interactions in response to planting densities, nutrients and root exudates in *Arabidopsis thaliana*. *Plants* 6(4): 46. doi:10.3390/plants6040046

## Presentations

**Szubryt, MB.** and Moore, AJ. 2025. Target-capture sequence data reveal extensive incomplete lineage sorting within *Heterotheca* (Asteraceae: Astereae). University of Kansas Genomics Symposium, Lawrence, Kansas. May 9, 2025. Poster Presentation.

**Szubryt, MB.** and A.J. Moore. 2024. Towards a phylogenetically informed treatment of *Heterotheca* Cass. (Asteraceae: Astereae). University of Kansas Genomics Symposium, Lawrence, Kansas. May 17, 2024. Poster Presentation.

**Szubryt, MB.** and AJ. Moore Towards a phylogenetically-informed treatment of *Heterotheca* Cass. (Asteraceae: Astereae). Oklahoma Academy of Sciences, Chickasha, Oklahoma. November 10, 2023. Poster Presentation.

Dugger, M., **Szubryt, MB.**, and AJ. Moore. Morphological variability of *Monarda fistulosa* in Oklahoma. TORCH XII, Fort Worth Botanic Garden, Fort Worth, Texas. Poster Presentation.

Payne, G., **Szubryt, MB.**, Moore, AJ., and J. Messick. Phenological classification scheme comparison for *Cercis canadensis*. TORCH XII, Fort Worth Botanic Garden, Fort Worth, Texas. Poster Presentation.

**Szubryt, MB.** Systematics of the North American Astereae. Southern Illinois University, Carbondale, Illinois. June 23, 2020.

**Szubryt, MB.**, Urbatsch, LE., Neubig, KM., and Y. Vargas-Rodriguez. Morphological, molecular, and biogeographic evidence for the recognition of *Euthamia hirtipes* and *E. scabra* (Asteraceae, Astereae). Botany Conference, Tucson, Arizona. July 31, 2019. PowerPoint Presentation.

**Szubryt, MB.**, Urbatsch, LE., Neubig, KM., and Y. Vargas-Rodriguez. Morphological, molecular, and biogeographic evidence for the recognition of *Euthamia hirtipes* and *E. scabra* (Asteraceae, Astereae). The Evolution Conference, Providence, Rhode Island. June 19, 2019. PowerPoint Presentation.

**Szubryt, MB.** Molecular evolution research: What is it, why is it important, and why do scientific names change because of it? Sierra Club, Carbondale, Illinois. May 24, 2019. PowerPoint presentation.

**Szubryt, MB.** and J. Sellar. Utilizing Species Distribution Modeling via SDMToolBox to locate endangered species: *Styrax grandifolius* Aiton. Illinois Native Plant Society southern chapter annual symposium. John A Logan College. Carterville, Illinois. April 6, 2019. Poster presentation.

**Szubryt, MB.** and J. Sellar. Conservation through distribution modeling: *Styrax grandifolius* Aiton. Illinois Native Plant Society southern chapter. Carbondale, Illinois. March 19, 2019. PowerPoint presentation.

**Szubryt, MB.**, Neubig, KM., and LE. Urbatsch. Phylogenetics of Astereae (Asteraceae) in western North America. SIU Natural Sciences Student Research Symposium. Carbondale, Illinois. November 9, 2018. Poster presentation.

**Szubryt, MB.**, Neubig, KM., and LE. Urbatsch. Phylogenetics of Astereae (Asteraceae) in western North America. SUPERB Summer Institute, Touch of Nature. Makanda, Illinois. August 8, 2018. Poster presentation.

**Szubryt, MB.**, Neubig, KM., and LE. Urbatsch. Phylogenetics of Astereae (Asteraceae) in western North America. Botanical Society of America. Rochester, Minnesota. June 23-25, 2018. Poster presentation.

Szubryt, AN., Wasiak, AK., Toigo, KE., Kullgren, T., Etters, N., **Szubryt, MB.**, and FE. Anderson. Terrestrial gastropod diversity and abundance in nature preserves in Carbondale, Illinois. SIU Undergraduate Creative Activities and Research Forum. April 9, 2018. Poster presentation.

**Szubryt, MB.** What Happened to Liliaceae? Illinois Native Plant Society southern chapter. Carbondale, Illinois. January 16, 2018. PowerPoint presentation.

**Szubryt, MB.**, Urbatsch, LE., and KM. Neubig. Missouri Botanical Garden 64<sup>th</sup> Annual Symposium. Phylogenetics of *Euthamia* and its placement in the subtribe Solidagininae (Asteraceae). October 14, 2017. Saint Louis, Missouri. Poster presentation.

Weisenhorn, PB., **Szubryt, MB.**, Cherry, J., and L. Battaglia. The sea comes marching in: Assisted plant migration through the microbial community landscape. Society for Ecological Restoration. Iguassu, Brazil. August 27-September 1, 2017.

**Szubryt, MB.**, Urbatsch, LE., and KM. Neubig. Phylogenetics of *Euthamia* and its placement in the subtribe Solidagininae (Asteraceae). Undergraduate Creative Activities and Research Forum, SIU. April 3, 2017. Poster Presentation.

**Szubryt, MB.**, Urbatsch, LE., and KM. Neubig. Phylogenetics of *Euthamia* and its placement in the subtribe Solidagininae (Asteraceae). Saint Louis Area Undergraduate Research Symposium. Carbondale, Illinois. April 1, 2017. Poster Presentation.

**Szubryt, MB.**, Urbatsch, LE., and KM. Neubig. Phylogenetics of *Euthamia* and fly-fungus symbionts. SIU Natural Sciences Student Research Symposium. Carbondale, Illinois. November 7, 2016. PowerPoint presentation.

**Szubryt, MB.**, Geisler, M., and J. Geisler-Lee. *Arabidopsis thaliana* conspecific root competition. Botanical Society of America Annual Conference. Savannah, Georgia. August 1, 2016. Poster presentation.

**Szubryt, MB.**, Geisler, M., and J. Geisler-Lee. *Arabidopsis thaliana* Conspecific root competition. SIU Undergraduate Creative Activities and Research Forum. Carbondale, Illinois. April 4, 2016. Poster Presentation.

## **Grants and Awards**

OU Harwell Scholarship (\$1200). August 2025.  
OU Summer Hill Fellowship (\$650). May 2025.  
OU Excellence in Graduate Student Teaching Award (\$500). May 2024.  
OU Kenneth & Joye Harwell Scholarship (\$2300). April 2024.  
OU Dodge Family College Arts of Sciences (\$5000 / year for 5 years). March 2022.  
SIU Master's Fellowship (\$1400 / month for 13 months). March 2019.  
SIU Undergraduate Student Government Sponsorship (\$1225). October 2017.  
SIU, Upper Mississippi Delta Biodiversity Scholarship, Graduate. April 2017.  
SIU Delyte W. Morris Scholarship. April 2017.  
Society of Wetland Scientists Undergraduate Research Grant (\$948). April 2017.  
Botanical Society of America Undergraduate Student Research Award Grant (\$200). April 2016.  
SIU Research-Enriched Academic Challenge Award Grant (\$1500). April 2016.  
SIU Undergraduate Creative Activities and Research Forum, animal & plant biology runner-up poster presentation. April 2016.  
SIU College of Science Dean's List. Fall semester 2014 – fall semester 2017.  
SIU College of Science Scholarship, Plant biology department (\$750). August 2014.  
SIU University Excellence Scholarship. August 2014.

## **Professional Societies**

Botanical Society of America, January 2017 – December 2022 & December 2024 – present.  
American Society of Plant Taxonomists: Student travel grant committee, August 2022 – present.  
Society for the Study of Evolution, April 2019 – December 2019 & January 2025 – present.  
Society of Herbarium Curators member, January 2018 – January 2020.  
Illinois Native Plant Society board member, January 2018 – December 2019.  
Green Earth board member, August 2017 – April 2021.  
Society for the Study of Evolution member, March 2017 – March 2019.  
Society of Wetland Scientists member, February 2017 – February 2018.  
Keep Carbondale Beautiful, September 2014 – August 2017.  
Southern Illinois University: Saluki science ambassadors, August 2014 – October 2017.