

# ERIKA R. MOORE

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University of Memphis  
Department of Biological Sciences  
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## EDUCATION

- 2018 – current      **Ph.D.** THE UNIVERSITY OF MEMPHIS, TN  
Evolution of the genus *Packera* (Asteraceae)
- 2014 –2018      **B.S.** THE UNIVERSITY OF TENNESSEE, KNOXVILLE  
Ecology and Evolutionary Sciences

## RESEARCH INTERESTS

phylogenomics; biogeography; plants genetics; climate change; evolution; bioinformatics;  
character trait evolution; niche differentiation; population genetics; conservation

## FUNDING

- Center for Biodiversity Research Seed Grant - \$3,000      2019
- ASPT 2019 Travel Grant - \$335      2019
- UofM College of Arts and Sciences Travel Enrichment Fund - \$300      2019

## PRESENTATIONS

- Botany Conference – Online – Poster      2021
- Evolution Conference – Online - Talk      2021
- ASB Conference – Online – Talk      2021
- TICA Talks – via Zoom – Talk      2021
- Georgia Gwinnet College, invited speaker – via Zoom – Talk      2020
- Botany Conference – Tucson, Arizona – Poster      2019
- UofM Student Research Forum – University of Memphis – Poster      2019
- UofM Biological Sciences 3MT – Talk      2019

## PUBLICATIONS

### 2021

- Erika R. Moore.** What in the whorled: The rediscovery of *Helianthus verticillatus* Small (Heliantheae) over 100 years later. *Capitulum* 1(1): 61-64. doi: 10.53875/capitulum.01.1.07.

Carolina M. Siniscalchi, Robert D. Edwards, Jorge Gomez, **Erika R. Moore**, Jennifer R. Mandel. Photosynthesis metabolism in Asteraceae: current knowledge and future directions. *Taxon* 70(2), 339-350. doi: 10.1002/tax.12426.

*In-Review:*

**Erika R. Moore**, Carolina M. Siniscalchi, Jennifer R. Mandel. Reevaluating genetic diversity and structure of *Helianthus verticillatus* (Asteraceae) after the discovery of population in Mississippi. Target journal: *Castanea*.

## RESEARCH EXPERIENCE/ACADEMIC POSITIONS & COURSES TAUGHT

*Graduate Teaching Assistant* *Fall 2018-Current*

Jennifer Mandel Lab, University of Memphis

BIOL 4090: CURE (Course-based Undergraduate Research Experiences) *Fall 2021*

BIOL1021: Biology of Organisms Lab *Fall 2018-Spring 2021*

*Lab Manager and Research Assistant*

*Summer 2018*

Susan Kalisz Lab, University of Tennessee, Knoxville

*Independent Research Project*

*Spring 2017-Summer 2018*

Joe Bailey Lab, University of Tennessee, Knoxville

*Undergraduate Research Assistant*

*Spring 2017-Spring 2018*

Susan Kalisz Lab, University of Tennessee, Knoxville

*Undergraduate Research Assistant*

*Fall 2016-Spring 2018*

Jennifer Schweitzer and Joe Bailey Lab, University of Tennessee, Knoxville

*Lab Research Assistant*

*Spring 2014-Spring 2016*

Elena Shpak Lab, University of Tennessee, Knoxville

## SOFTWARES

R; Matlab; JMP; Microsoft Office; GenAlEx; Barrier; GenBank; Structure; MicroChecker; Geneious; Python

## ORGANIZATION INVOLVEMENT

CAPITULUM editorial committee member

*Fall 2021-Current*

TICA Newsletter committee

*Fall 2021-Current*

Center for Biodiversity Research (CBio),

*Fall 2021-Current*

Research Facilitation Committee member

University of Memphis Book Club, member

*Fall 2020-Spring 2021*

University of Memphis BioGSA, Vice President

*Fall 2020-Spring 2021*

The International Compositae Alliance (TICA), member	<i>Spring 2020-Current</i>
Center for Biodiversity Research (CBio), member	<i>Fall 2018-Current</i>
University of Memphis Botany Club, Secretary	<i>Fall 2018-Fall 2020</i>
University of Memphis BioGSA, Secretary	<i>Fall 2019-Spring 2020</i>
University of Memphis Committee for Diversity in Science, member	<i>Spring 2018-Fall 2019</i>
University of Memphis Journal Club, member	<i>Spring 2018-Spring 2019</i>
University of Memphis Writing Club, member	<i>Spring 2018-Spring 2019</i>

## UNDERGRADUATE MENTEES

1. Jorge Gomez, University of Memphis, TN	<i>2019-current</i>
2. Paige Murin, University of Memphis, TN	<i>2018-2019</i>
3. Byanca Moreno, University of Tennessee, Knoxville	<i>2016-2018</i>

## PROFESSIONAL MEMBERSHIP

Association of Southeastern Biologists (ASB)  
American Society of Plant Taxonomists (ASPT)  
Botanical Society of America (BSA)  
International Association of Plant Taxonomy (IAPT)  
Southern Appalachian Botanical Society (SABS)  
Torrey Botanical Society (TBS)  
Systematics Association

## COMMUNITY INVOLVEMENT AND OUTREACH

Presentation on Graduate School and Research at Georgia Gwinnet College	<i>Fall 2020</i>
TWRA Chronic Wasting Disease (CWD) check sites	<i>Fall 2018 &amp; Fall 2019</i>
National Lab Day at University of Memphis	<i>Summer 2019</i>
International Women in Science Day events with local public schools	<i>Spring 2019</i>
NSF Funded project for elementary students	<i>2018-Current</i>
University of Memphis Botany Club-various organizations	<i>2018-Current</i>
“Talk to a Botanist” at Elementary Schools	<i>Fall 2018</i>
<u>Park community service events</u>	
“Waste Tire Cleanup Day” at T.O. Fuller State Park	<i>Spring 2019</i>
“Flick or Treat” at Memphis Botanic Garden	<i>October 2018</i>

## REFERENCES

Jennifer Mandel  
Associate Professor  
Biological Sciences

Randall Bayer  
Professor  
Biological Sciences

Melissa Koontz  
Lab Coordinator  
Biological Sciences

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