


Erika R. Moore (she/her)

University of Memphis
Department of Biological Sciences
3700 Walker Avenue, Room 322
Memphis, TN 38152
ermoore3@memphis.edu
erika-moore.com
 @erikarmore11

EDUCATION

University of Memphis	Biological Sciences graduate Program	2018 - Present
	Ph.D. Evolution of the genus <i>Packera</i> (Asteraceae)	
	Advisor: Dr. Jennifer Mandel	
University of Tennessee, Knoxville		2014 - 2018
	B.S. Ecology and Evolutionary Biology	

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

- Erika R. Moore**, Carolina M. Siniscalchi, Jennifer R. Mandel. Reevaluating genetic diversity and structure of *Helianthus verticillatus* (Asteraceae) after the discovery of new populations. CASTANEA 86(2), 196-213.
- J. Mauricio Bonifacino, Jennifer R. Mandel, Abigail Moore, **Erika R. Moore**, Benoit Loeuille, and Lizzie Roebble. Capitulum: The Compositae Newsletter reloaded. TAXON 70(5): 1156-1156. DOI: 10.1002/tax.12571

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.

RESEARCH EXPERIENCE/ACADEMIC POSITIONS & COURSES TAUGHT

CAPITULUM editorial board member	2021 - Current
Center for Biodiversity member	2019 - Current
<i>Research Facilitation Committee board member</i>	
Graduate Teaching Assistant	2018 - Current
<i>University of Memphis</i>	
<i>BIOL 4090: CURE (Course-based Undergraduate Research Experiences)</i>	2021
<i>BIOL1021: Biology of Organisms Lab</i>	2018 - Current
Lab Manager and Research Assistant	2018
<i>Susan Kalisz Lab, University of Tennessee, Knoxville</i>	
Independent Research Project	2017 - 2018
<i>Joe Bailey Lab, University of Tennessee, Knoxville</i>	
Undergraduate Research Assistant	2017- 2018
<i>Susan Kalisz Lab, University of Tennessee, Knoxville</i>	
Undergraduate Research Assistant	2016 - 2018
<i>Jen Schweitzer and Joe Bailey Lab, University of Tennessee, Knoxville</i>	
Lab Research Assistant	2014 - 2016
<i>Elena Shpak Lab, University of Tennessee, Knoxville</i>	

SOFTWARES

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

ORGANIZATION INVOLVEMENT

Compositae Journal Club (TICA), member	2020-Current
University of Memphis Book Club, organizer and member	2020 - Current
The International Compositae Alliance (TICA), member	2020 - Current
Center for Biodiversity Research (CBio), member	2019 - Current
University of Memphis Biology Graduate Student Association (BioGSA), Vice President	2020 - 2021
University of Memphis Botany Club, Secretary	2018 - 2020
University of Memphis BioGSA, Secretary	2019 & 2020
University of Memphis Committee for Diversity in Science, member	2018 - 2019
University of Memphis Journal Club, member	2018 - 2019
University of Memphis Writing Club, member	2018 - 2019

UNDERGRADUATE MENTEES

Jorge Gomez, University of Memphis	2019 - 2021
Paige Murin, University of Memphis	2018 - 2019
Byanca Moreno, University of Tennessee, Knoxville	2016 - 2018

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

NSF Funded project for elementary students ("Compositae in a Crate")	2018 - Current
University of Memphis Garden cleanup, CBio associated	2021
Museum of Science and History (MoSH) STEAMFest – herbarium focused	2021
Presentation on Graduate School and Research at Georgia Gwinnet College	2020
University of Memphis Botany Club – various outreach opportunities	2018 - 2020
National Lab Day at University of Memphis	2019
International Women in Science Day events with local public schools	2019
TWRA Chronic Wasting Disease (CWD) check sites	2018 & 2019
"Talk to a Botanist" at Elementary Schools	2018
"Waste Tire Cleanup Day" at T.O. Fuller State Park	2019
"Flick or Treat" at Memphis Botanic Garden	2018

REFERENCES

Jennifer Mandel
Assistant Professor
Biological Sciences
University of Memphis
jmandel@memphis.edu

Randall Bayer
Professor
Biological Sciences
University of Memphis
rbayer@memphis.edu

Melissa Koontz
Lab Coordinator
Biological Sciences
University of Memphis
mlee1@memphis.edu