

**KAYLA CARTER**  
DEPARTMENT OF BIOLOGY  
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**EDUCATION**

PhD, Texas A&M University, Biology	Present
BS, Mississippi State University, Microbiology	May 2023
Minor: Chemistry	
AA, Holmes Community College, Biological Sciences	Summer 2021

**RESEARCH EXPERIENCE**

Texas A&M University, College Station, TX	2023-Present
Graduate Student Researcher PhD	

- Investigating the role of cancer associated fibroblasts in tumor progression and drug response in breast cancer

Mississippi State University, Starkville, MS	2020-2023
Direct Individual Study, Undergraduate Research Projects	

- Green iron oxide-modified biochar for methylene blue removal from aqueous solutions
- Lead immobilization in simulated polluted soil by Douglas fir biochar-supported phosphate

University of Tennessee Knoxville, Knoxville, TN	2022
Microbiology REU program funded by National Science Foundation	

- Bacteria and Nematode Interaction Under Different Growth

**PEER REVIEWED PUBLICATIONS**

**PUBLISHED**

Samaraweera, S., Andrena, A., **Carter, K.**, Felder, T., Nawalage S., Perez F., Chui I., and Mlsna, T., 2023 Green iron oxide-modified biochar for methylene blue removal from aqueous solutions. *Groundwater for Sustainable Development*. DOI:10.1016/j.gsd.2023.100945.

## PRESENTATIONS

- Poster Presentation, “Bacteria and Nematode Interaction Under Different Growth Conditions,” Microbiology REU, August 6, 2022.
- Poster Presentation, “Lead immobilization in simulated polluted soil by Douglas fir biochar-supported phosphate,” Pittfest, October 29, 2021.

## ACADEMIC POSITIONS

Graduate Teaching Assistant, Texas A&M University, Biology Department	2023-Present
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- Introductory Biology I
- Introductory Biology II

## HONORS AND AWARDS

2023 Spirit of State award recipient	2023
Student Conduct Board member (Dean of Students' Office)	2022-2023
Nominated for Mississippi State University's chapter of The National Society of Leadership and Success	2020
Mississippi State University Dean's List Scholar	2019-2020