



The University of Southern Mississippi

School of Polymer Science and Engineering

RESEARCH EXPERIENCE FOR TEACHERS Sustainable Polymer Engineering Research

summer 2023

Join us for cutting edge research in sustainable materials sponsored by The National Science Foundation! Teachers will work in pairs with faculty and student researchers in The Polymer Science Research Center in efforts focused on addressing 21st century grand challenges in engineering, including:

Water Quality

Waste Reduction

Alternative Energy

Requirements:

- Engage in six weeks of laboratory research (June 5 - July 14) - *dates flexible*
- Develop classroom activities/laboratory experiments/curriculum based on summer research
- Implement activities with a graduate student each semester
- Increase student awareness of current sustainability issues
- Publish developed activities in "Teach Engineering"
- Present at regional and national conferences

Benefits:

- \$7000 stipend
- \$1000 for travel to regional or national conferences
- \$1000 for classroom supplies

Application Process:

- Complete online application
<https://www.usm.edu/polymer-science-engineering/outreach.php>
- Letter of support from Department Chair or Principal
- Application Deadline April 11, 2023
- Decisions made in early May
- For questions contact Claire Clemons-claire.clemons@usm.edu

