

# — congratulations —



## TO OUR SUMMER 2021 UNDERGRADUATE RESEARCH SYMPOSIUM WINNERS!

### Arts and Humanities

**Joseph Newell:** Shakespeare's Expansion of Heteropatriarchy through Dreams: A Mockery of Women's Triumph in A *Midsummer Night's Dream* (Mentor: Dr. Dhanashree Thorat, English)

### Biological Sciences and Engineering

**1st Place - Cara Stewart:** Assessing Climatic Extremes to Priority Bird Species in the Southeastern Coastal Plain (Mentor: Dr. Kristine Evans, Wildlife, Fisheries, and Aquaculture)

**2nd Place - Madalyn Jennings:** Evaluation of antibiotic resistance pattern of Avian Pathogenic Escherichia coli isolated from broiler breeders with colibacillosis from Mississippi (Mentor: Dr. Reshma Ramachandran, Poultry Science)

**3rd Place - Samuel Cothron:** Metabolites in Sucrose/starch synthesis pathway affect QQS transcript in Arabidopsis (Mentor: Dr. Ling Li, Biological Sciences)

**3rd Place - Ibraheem Abbood:** Using Mutagenesis to Understand How a Protein Binds to a Polystyrene Surface (Mentor: Dr. Nick Fitzkee, Chemistry)

### Physical Sciences and Engineering

**1st Place - Ian Johnson:** Electrospinning Optically Active Polymer Fibers Containing Perovskite for use in Fibrous LED Devices (Mentor: Dr. Santanu Kundu, Chemical Engineering)

**2nd Place - Rudane Griffiths:** Efficient propane dehydroaromatization over ultralow loading Pt/HZSM-5 promoted with Cu (Mentor: Dr. Yizhi Xiang, Chemical Engineering)

**3rd Place - Bailey Bullard:** Testing of Engineered Biochar for the Removal of Phosphorus in Stormwater Runoff (Mentors: Dr. Todd Mlsna, Chemistry; Dr. Timothy Schauwecker, Landscape Architecture)

**3rd Place - Katelyn Woodard:** A Radical Library: Cataloging Radiation Yield of Acrylates Undergoing Electron-beam Polymerization (Mentor: Dr. Julie Jessop, Chemical Engineering)

### Social Sciences

**1st Place - Sarah Dulaney:** Thematic Analysis of Vaccine Misinformation In Social Media (Mentor: Dr. Holli Seitz, Communication)

**2nd Place - Lauren Adams:** Eye Tracking Studies on Organic Molecule Representational Competence (Mentor: Dr. Deb Mlsna, Chemistry)



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