



Mississippi State University
Three Minute Thesis Competition
Fowlkes Auditorium, MSU
Final Competition
November 16th, 2023

1:00 p.m. to 2:30 p.m.

Join us in-person or virtually via this WebEx Link:

<https://msstate.webex.com/msstate/j.php?MTID=mcb7ba6b47f6c2bbec5e3fd82abd03ab2>

WELCOME

Dr. W. Brien Henry, Associate Dean
The Graduate School

Humayun Ahmad, PhD

Chemical Engineering, College of
Engineering

*Highly Stretchable and Reversible Core-Shell
Conductive Electrospun Fiber*

Patricia Marie Cordero-Irizarry, PhD

School of Human Sciences, College of
Agriculture and Life Sciences

*Grounded Values: An Exploration of Soil
Ethics in Coffee Farming*

Durant Fullington, PhD

Industrial and Systems Engineering, College
of Engineering

*Secure and Effective Data Sharing for Metal-
based Additive Manufacturing*

Kara Hall, Master's

Wildlife, Fisheries, and Aquaculture, College
of Forest Resources

*Assessing the Impacts of Wetland Reserve
Easements on Bird Abundance & Diversity*

Ncomiwe Andile Maphalala, Master's

Plant and Soil Sciences, College of
Agriculture and Life Sciences

*Soybean Bacterial Inoculation: Against
Herbicide Stress*

Dan McCormick, PhD

Civil Engineering, College of Engineering

*An Experimental Investigation of
Performance Coated Low-Iron Glass for Use
in Airport Traffic Control Towers*

Gabriel Nyen, Master's

Forestry, College of Forest Resources

*Longleaf Pine Forest Restoration
Throughout the Southeast*

Samadhi Nawalage, PhD

Chemistry, College of Arts and Sciences

*Overcoming challenges in experimental
quantification of the optical properties of
photoactive metal-organic frame works: A
case study with NU-1000*

Luke Tucker, PhD

Agricultural and Biological Engineering,
College of Engineering

Localize Treatment of Chronic Diseases



MISSISSIPPI STATE UNIVERSITY™
THE GRADUATE SCHOOL



**JUDGES DELIBERATIONS
AND PEOPLE’S CHOICE VOTING**

WINNER ANNOUNCEMENT

CONCLUDE

Distinguished Judges

Dr. Bimal Balakrishnan

Associate Dean of Research and Professor
College of Architecture, Art, and Design

Christine Jackson

Executive Director Athletic Academic, Department of Athletic Academic Support Services &
Interim Assistant Vice President, Office of Access, Diversity, and Inclusion

Dr. Narcisa Pricope

Associate Vice President for Research
Office of Research and Economic Development

Dr. Dan Reynolds

Associate Vice President for International Programs, Office of the Provost
Executive Director, International Institute

NOTES