



- 11:00-11:15** **Welcome & Introductions**
Office of Sustainability & Community Engagement
- 11:15-12:25** **Research Presentations**
- 12:25-12:45** **Lunch**
- 12:45-1:40** **Research Presentations**
- 1:40-2:00** **Dean Mary Farmer-Kaiser**
Closing Remarks & Grad Student Appreciation Week Awards

**LINK
TO MORE
DETAILED
INFORMATION**



**PRESENTATIONS ON:
THE ENVIRONMENT, LOUISIANA, OUR SHARED RESOURCES & OUR FUTURE**

Jenita Jahangir, PhD, Mathematics, College of Sciences

The Interplay Between Multiple Control Mechanisms in a Host-Parasitoid System: A Discrete-Time Stage-Structured Modeling Approach
Amy Veprauskas, faculty reference

Araf Mim Ahmed Smrity, PhD, Mechanical Engineering, College of Engineering

Optimizing Stability and Efficiency of Hybrid Nanofluids: A Molecular Dynamics Approach for Sustainable Economic Growth and Environmental Protection
Solomon Yin, faculty reference

Md Nahin Mahmood, PhD, Petroleum Engineering, College of Engineering

Carbon Dioxide Storage in Marine Gas Hydrate Reservoirs Using Geothermal Energy
Boyun Guo, faculty reference

Diana Alejandrina Taj, PhD, Earth & Energy Science, College of Sciences

Understanding the Influence of Acute Saltwater Intrusion Events on Methane and CO₂ Fluxes from Freshwater Wetland Vegetation Patches
Jorge Villa Betancur, faculty reference

Jennifer Raabe, PhD, Environmental & Evolutionary Biology, College of Sciences

Using Valvometry to Study Eastern Oyster Behavior in Response to Low Salinity and Toxigenic Cyanobacteria
Beth Stauffer, faculty reference

Sherbaz Khan, PhD, Systems Engineering, College of Engineering

Performance Evaluation of Hybrid Hot Mix Asphalt Mixtures for Durable Louisiana Roads

Jamal Khattak, faculty reference

Joseph Kolb, UG Environmental Science major, NASA/UL Lafayette Regional Application Center

Urban Heat Island Effect: A Comparative Analysis of Household Income and Land Surface Temperatures

Brent Yantis & Courtney Chicola, faculty advisors

Hayden Smith, UG Environmental Science major, NASA/UL Lafayette Regional Application Center

Vanishing Marshes, Fading Redfish: Louisiana's Dual Ecological Crisis

Brent Yantis & Courtney Chicola, faculty advisors

PRESENTATIONS ON: LOUISIANA, WELLBEING & OUR SHARED HUMAN CONNECTIONS & EXPERIENCES

Morteza Bodaghi, PhD, Systems Engineering, College of Engineering

A Multimodal Intermediate Fusion Network with Manifold Learning for Stress Detection

Raju Gottumukkala, faculty reference

Gracie Latiolais, UG Nursing major, College of Nursing

Evaluating Interprofessional Education and IPE Readiness with Nursing and Health Information

Management Students at the University of Louisiana at Lafayette

Tierney Beebe, faculty advisor

Tarikul Islam Milon, PhD, Earth & Energy Sciences, College of Sciences

Development of TSR-based Method for Probing Interaction Between Drug and Target Protein

Wu Xu, faculty reference

Mohammad Tajdin, EdD, Educational Leadership, College of Education & Human Development

Understanding Issues Related to Mental and Physical Well-Being of Doctoral Students

Sebnem Cilesiz, faculty reference

Abdullah Al-Musayeb, Master, English, College of Liberal Arts

The Loss of Land, and Biodiversity in Louisiana's Chitimacha Landscape: An Eco-critical Analysis of

Stouff's Losing Home: A Native Waters Compendium

Laurel Ryan, faculty reference

Wilbur Bennett, PhD, Applied Language Speech Sciences, College of Liberal Arts

Maintaining Our Voices: Collaborative Preservation of Cajun and Creole Dialects for Individuals with

Neurodegenerative Diseases

Closing Remarks Grad School Appreciation Week Awards Dean Mary Farmer-Kaiser

For all information regarding the Program and Sustainable Development research at the University of Louisiana at Lafayette, please visit:

<https://business.louisiana.edu/SDGresearch>

**LINK
TO EVENT
SURVEY**

