

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Bhawana Acharya | Plant, Environmental, and Soil Sciences

Nitrogen and Water Effect on Corn

Topic Area: STEM

Degree Pursued: Master's

Major College: College of Agriculture

Presentation Format: Poster

Faculty Mentor: Tri Setiyono, PhD

Charlotte Adams | Biology

Elucidating the roles of four RhoGEFs in the development of the Drosophila salivary gland

Topic Area: STEM

Degree Pursued: Master's

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: SeYeon Chung, PhD

Windsor Adcox | Sociology with Concentration in Criminology

Predicting Inmate on Inmate Violence with Mental Health Diagnoses and Substance Use

Topic Area: MESH

Degree Pursued: Master's

Major College: College of Humanities and Social Sciences

Presentation Format: Visual Display

Faculty Mentor: Michael Barton, PhD

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Frank Agyei | Curriculum and Instruction (Curriculum Studies)

A Reflection on Curriculum in Ghana via Engagement with Tyler's (1970) Basic Principles of Curriculum & Instruction

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Human Sciences and Education

Presentation Format: Poster

Faculty Mentor: Molly Quinn, PhD

Abd-El-Monsif Ahmed | Computational Biology

DDX3 role in regulation of translation during stress

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Anastasios Vourekas, PhD

Syed Monjur Ahmed | Chemistry

Effect of Halogenated Organic Precursors on EPFR Formation on Transition Metal Oxides

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Robert Cook, PhD

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Tamer Ali Ali | Geophysics

Quantitative identification of lithofacies by integrating different geophysical data

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Oral

Faculty Mentor: Juan Lorenzo, PhD

Suliat Alli | Chemistry

Computational investigation on the interactions between BfrB and the small molecule inhibitors of the BfrB-Bfd complex

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Mario Rivera, PhD

Hussein Alqrinawi | Geotechnical Engineering

Nano-Engineered Densified Wood: Effect of Delignification and Densification Conditions on Mechanical Properties

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Engineering

Presentation Format: Poster

Faculty Mentor: Hai Lin, PhD

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Farshad Amani | Electrical and Computer Engineering

Quantum-Enhanced DC Optimal Power Flow

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Engineering

Presentation Format: Poster

Faculty Mentor: Amin Kargarian, PhD

Gouri Anil | Oceanography

Impacts of Stratospheric Aerosol Injection on Coral Reefs: A Study on the Potential Consequences of Solar Geoengineering on the Ocean

Topic Area: STEM

Degree Pursued: PhD

Major College: College of the Coast and Environment

Presentation Format: Poster

Faculty Mentor: Cheryl Harrison, PhD

Rita Aoun | Biomedical and Veterinary Clinical Sciences

Horseshoe Effects on In vivo Equine Gait Kinetics and Capsule Deformation

Topic Area: STEM

Degree Pursued: PhD

Major College: School of Veterinary Medicine

Presentation Format: Poster

Faculty Mentor: Mandi Lopez, PhD

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Scott Aronson | Physics

Quantum Noise in Gravitational Wave Detectors

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Oral

Faculty Mentor: Thomas Corbitt, PhD

Ankit Aryal | Veterinary and Biomedical Science

miRNA species as systemic mediators of Environmentally Persistent Free Radical (EPFR)- induced endothelial dysfunction.

Topic Area: STEM

Degree Pursued: PhD

Major College: School of Veterinary Medicine

Presentation Format: Poster

Faculty Mentor: Tammy Dugas, PhD

Alexandra Aucoin | Macromolecular Chemistry

Investigating bubble-free acrylate systems via free-radical frontal polymerization for 3D printing thermal shape memory polymers

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: John Pojman, PhD

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Isaac Gyan Ayeh | Curriculum and Instruction (Mathematics Education)

Artificial Intelligence in K-12 Mathematics Education: Affordances, Benefits, and Implementations

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Human Sciences and Education

Presentation Format: Poster

Faculty Mentor: Jennifer Qian, PhD

Emmanuel Ayiku | Leadership and Human Resource Development

How Do College Christian Student Leaders Discover Their Purpose In Life

Topic Area: MESH

Degree Pursued: Master's

Major College: College of Human Sciences and Education

Presentation Format: Oral

Faculty Mentor: Oliver Crocco, PhD

Pius Babawale | Pathobiological Sciences

Characterization of Physiological Epithelial Cell Experimental Model for Investigating Immune Response to Respiratory Viral Infections.

Topic Area: STEM

Degree Pursued: PhD

Major College: School of Veterinary Medicine

Presentation Format: Poster

Faculty Mentor: Antonieta Guerrero-Plata, PhD

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Ashlyn Barclay | Mass Communication

'We demand answers, solutions, and results': A comparative discourse analysis of institutional versus student responses to a local sexual violence crisis.

Topic Area: MESH

Degree Pursued: Master's

Major College:anship School of Mass Communication

Presentation Format: Poster

Faculty Mentor: Fanny Ramirez, PhD

Rhonda Bardales | Social Work

Empirically Tested Interventions for Death Anxiety in the United States: A Systematic Review

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Human Sciences and Education

Presentation Format: Poster

Faculty Mentor: Scott Wilks, PhD

Kimberly Bartenfelder | English Literature

Robert Jones Jr.'s The Prophets: Catalyzing Zakiyyah Iman Jackson's "Plasticity"

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Humanities and Social Sciences

Presentation Format: Poster

Faculty Mentor: Michael Bibler, PhD

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Hannah Beck | Oceanography and Coastal Sciences

Reevaluating Sediment Oxygen Consumption in the Northern Gulf of Mexico Hypoxic Zone

Topic Area: STEM

Degree Pursued: PhD

Major College: College of the Coast and Environment

Presentation Format: Oral

Faculty Mentor: Kanchan Maiti, PhD

Mariel Benigno | Food Science

*Thermal stability and flow properties of oil extracted from undersized crawfish (*Procambarus clarkii*)*

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Agriculture

Presentation Format: Poster

Faculty Mentor: Subramaniam Sathivel, PhD

Logan Berthelot | Public Administration

State and Local Adaptations to Changing Markets: The case of electric vehicle policies in the U.S.

Topic Area: MESH

Degree Pursued: Master's

Major College: E.J. Ourso College of Business

Presentation Format: Oral

Faculty Mentor: Anmol Soni, PhD

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Biraj Bhattarai | Communication Sciences and Disorders

Measuring cognitive workload variations using fNIRS: a scoping review

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Humanities and Social Sciences

Presentation Format: Oral

Faculty Mentor: Bijoyaa Mohapatra, PhD

Shanta Biswas | Macromolecular Chemistry

Effects of Crowding Agents on the Complex Coacervation of Macromolecules

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Oral

Faculty Mentor: Amy Xu, PhD

Rachael Blair | Medical Physics

Implementation and validation of a lung x-ray interferometry imaging system

Topic Area: STEM

Degree Pursued: Master's

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Kenneth (Kip) Matthews, PhD

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Sarah Bodenstein | Fisheries and Aquaculture

Integrating germplasm repositories into oyster aquaculture systems at the Pathway, Center, and Network Levels

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Agriculture

Presentation Format: Poster

Faculty Mentor: Terrence Tiersch, PhD

Piper Bordes | Psychology - Cognitive & Brain Sciences

Severe Weather Events and Health-Related Quality of Life: Does Age Matter?

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Humanities and Social Sciences

Presentation Format: Poster

Faculty Mentor: Katie Cherry, PhD

Luis Briceno-Mena | Chemical Engineering

Hybrid Modeling for Electrochemical Processes

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Engineering

Presentation Format: Oral

Faculty Mentor: Jose Romagnoli, PhD

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Devin Bureau | Choral Conducting

Lili Boulanger's Clairières dans le ciel

Topic Area: MESH

Degree Pursued: Master's

Major College: College of Music and Dramatic Arts

Presentation Format: Performance/Reading

Faculty Mentor: Mara Gibson, PhD

Samantha Camarda | Geography

Translation Speed Influence on Tropical Cyclone Surge Storm Generation Along the Gulf of Mexico Coast

Topic Area: STEM

Degree Pursued: Master's

Major College: College of Humanities and Social Sciences

Presentation Format: Poster

Faculty Mentor: Dr. Jill Trepanier, PhD

Dillon Cao | Organic Chemistry

Computer-Aided Drug Design of Bakuchiol-inspired Liver X Receptor α Modulators

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Oral

Faculty Mentor: Fatima Rivas, PhD

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Joseph Casselberry | Music Education

Active versus Passive Motivational Orientations in Peer-Assisted Learning: Applications in Music Performance

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Music and Dramatic Arts

Presentation Format: Poster

Faculty Mentor: David Saccardi, PhD

Junyan Chen | Entomology

*Weight and protozoa number but not bacteria diversity is associated with pair formation of dealates in the Formosan subterranean termite, *Coptotermes formosanus**

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Agriculture

Presentation Format: Oral

Faculty Mentor: Claudia Husseneder, PhD

Ka Hei Cheng | Experimental Music & Digital Media

Phoenix - Extended Reality Performance for Viola and Dancer

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Music and Dramatic Arts

Presentation Format: Visual Display

Faculty Mentor: Jesse Allison, PhD

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Ka Hei Cheng | Experimental Music & Digital Media

Resonance: Collaborative Musicking Through Tactile Ecologies

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Music and Dramatic Arts

Presentation Format: Oral

Faculty Mentor: Jesse Allison, PhD

Alexandra Chiasson | English and Women's, Gender & Sexuality Studies

Mystery Project: TikTok, Sexual Identity, and Algorithmic Mystery

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Humanities and Social Sciences

Presentation Format: Oral

Faculty Mentor: Chris Barrett, PhD

Bronwyn Clagett | Choral Conducting

Google It: How Search Engines Prevent Accessibility to Diverse Repertoire

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Music and Dramatic Arts

Presentation Format: f

Faculty Mentor: Alissa Rowe, PhD

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Bronwyn Clagett | Choral Conducting

Publish and Perish? Where did it go wrong for Barbara Strozzi?

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Music and Dramatic Arts

Presentation Format: Performance/Reading

Faculty Mentor: Loraine Sims, PhD

Tyler Cowley | Industrial Organizational Psychology

Narcissism and Risk-Taking for Others

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Humanities and Social Sciences

Presentation Format: Poster

Faculty Mentor: Don Zhang, PhD

Mahalia Crawford | Sociology

Black Survivorship and Victimization: An Investigation of Media Portrayals on Black Bodies and State Sanctioned Gun Violence

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Humanities and Social Sciences

Presentation Format: Oral

Faculty Mentor: Lori Martin, PhD

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Alison Crisp | Physics & Astronomy

Searching for Giant Exoplanets in Different Stellar Populations

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Oral

Faculty Mentor: Matthew Penny, PhD

Musa Dankaz | Political Science

Human Rights Conditionality in Democratic Alliances and Screening Effect

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Humanities and Social Sciences

Presentation Format: Oral

Faculty Mentor: Daniel Tirone, PhD

Brett Davis | Exercise Physiology

Effects of Low Load Resistance Exercise With and Without Blood Flow Restriction on Muscle Strength, Muscle Endurance, Muscle Mass, and Muscle Oxidative Capacity

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Human Sciences and Education

Presentation Format: Poster

Faculty Mentor: Brian Irving, PhD

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Keilah Davis | Physics

Upgrading ANASEN for a $^{18}\text{Ne}(\alpha,p)^{21}\text{Na}$ direct measurement

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Oral

Faculty Mentor: Catherine Deibel, PhD

Tatiana De Maio | Writing and Culture

Mystery Project: In Between and Beyond: Borders, Attunements, and Dimensions in the Discursive Realities of Writing and Culture with Derrida, Foucault, Deleuze, and Anzaldúa

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Humanities and Social Sciences

Presentation Format: Oral

Faculty Mentor: Chris Barrett, PhD

Grant Debevec | Medical Physics

An Investigation of Gamma Analysis metrics for Radiation Therapy Patient Specific Quality Assurance

Topic Area: STEM

Degree Pursued: Master's

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Sotiri Stathakis, PhD

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Mojgan Dehghani | Physics and Astronomy

Nonlinear Optical Properties of Strontium Titanate Thin Film on Neodymium Gallate Substrate

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Oral

Faculty Mentor: Louis Haber, PhD

Zeyu Deng | Computer Science

First-person Remote Robot Control with Low-cost Robotic Arms and Human Motions in Virtual Reality

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Engineering

Presentation Format: Poster

Faculty Mentor: Chen Wang, PhD

Alexia DeSoto | Entomology

The effects of lineage, physical traits, and plant chemistry on Roseau cane scale settling preference

Topic Area: STEM

Degree Pursued: Master's

Major College: College of Agriculture

Presentation Format: Poster

Faculty Mentor: Michael Stout, PhD

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Simran Dhingra | Doctoral Program in Chemistry

Synthesis and Characterisation of BODIPY-TKI conjugates

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Oral

Faculty Mentor: Graça Vicente, PhD

Keely Diebold | Mass Communication

Exploring the Effects of Individuals' Perceived Prototypicality Within a Fandom

Topic Area: MESH

Degree Pursued: Master's

Major College: Manship School of Mass Communication

Presentation Format: Poster

Faculty Mentor: Meghan Sanders, PhD

Pham Phuong Uyen Diep | Media and Public Affairs

"I Am (Not) Myself": Self-Esteem, Motivations, and Self-Representation of Gen Z Across Social Media Platforms

Topic Area: MESH

Degree Pursued: PhD

Major College: Manship School of Mass Communication

Presentation Format: Poster

Faculty Mentor: Meghan Sanders, PhD

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Ethan Doherty | Entomology

Stored rice varietal resistance towards insects and the mechanisms at work

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Agriculture

Presentation Format: Oral

Faculty Mentor: Blake Wilson, PhD

Gwendal Dolou | Geography

*Assessment of the coral *Pseudodiploria strigosa* at Flower Garden Bank, Gulf of Mexico for paleoclimatic reconstruction*

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Humanities and Social Sciences

Presentation Format: Oral

Faculty Mentor: Kristine DeLong, PhD

Jordan Dove | Mass Communications

Watching Sports Online: Evaluating the Viewing Motivations of Sports Streaming Service Users

Topic Area: MESH

Degree Pursued: Master's

Major College:anship School of Mass Communication

Presentation Format: Oral

Faculty Mentor: Sujin Kim, PhD

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Anamika Dristi | Watershed Science

Cultural Carbon Export to the Gulf of Mexico from the Mississippi River

Topic Area: STEM

Degree Pursued: Master's

Major College: College of Agriculture

Presentation Format: Oral

Faculty Mentor: Yi Jun Xu, PhD

Maggie Duplantier | Counselor Education

An Analysis of ROTC Students' Perception of Leadership Based on Yukl's Hierarchical Taxonomy of Leadership Behavior

Topic Area: MESH

Degree Pursued: Master's

Major College: College of Human Sciences and Education

Presentation Format: Poster

Faculty Mentor: Leslie Blanchard, PhD

Ibrahim Elnaml | Transportation Engineering

Incorporating Environmental Impact Analysis into Louisiana's Balanced Asphalt Mixture Design

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Engineering

Presentation Format: Poster

Faculty Mentor: Louay Mohammad, PhD

2023 LSU Graduate Research Conference Presenters

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Hope Eseose | Nutrition and Food Sciences

Viability of Ultraviolet C radiation (UV-C) exposed Listeria innocua NRRL B-33016 and Escherichia coli ATCC 25922 on strawberries (Fragaria x ananassa) During Refrigeration Storage

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Agriculture

Presentation Format: Poster

Faculty Mentor: Subramaniam Sathivel, PhD

Jones Essuman | Electrical Engineering

Automated Parking of Vehicles in Unstructured Environments

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Engineering

Presentation Format: Poster

Faculty Mentor: Xiangyu Meng, PhD

Tengwen Fan | Communication Disorders

Domain-Specific Neural Profiles of Statistical Learning of Speech and Tone in Young Children

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Humanities and Social Sciences

Presentation Format: Poster

Faculty Mentor: Julie Schneider, PhD

2023 LSU Graduate Research Conference Presenters

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Yash Flora | CDIB

Lipid efflux via SPIN-4 in C. elegans male germ-cell controls sperm pseudopod development and motility

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Adam Bohnert, PhD

Pelumi Folajimi | Comparative Literature

Space and Identity: The Colonial Court as a Space of Identity Negotiation in Ngugi and Mugo's The Trial of Dedan Kimathi

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Human Sciences and Education

Presentation Format: Oral

Faculty Mentor: Femi Euba, PhD

Fox Foley | Condensed Matter Physics

UV irradiation of environmentally persistent free radicals (EPFRs) as means of remediation

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Phil Sprunger, PhD

2023 LSU Graduate Research Conference Presenters

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Austin Franklin | Experimental Music & Digital Media

PnP Maxtools: Autonomous Parameter Control in MaxMSP Utilizing MIR Algorithms

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Music and Dramatic Arts

Presentation Format: Poster

Faculty Mentor: Jesse Allison, PhD

Adronisha Frazier | Curriculum and Instruction

A Comprehensive Literature Review on the Student Perspective of Open Educational Resources in Community College Biology Courses

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Human Sciences and Education

Presentation Format: Poster

Faculty Mentor: Margaret-Mary Sulentic Dowell, PhD

Richard Garcia | Plant Biology

New insights on genetic regulation of roots under salt stress via microRNA and their potential targets in extremophyte relative of Arabidopsis

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Maheshi Dassanayake, PhD

2023 LSU Graduate Research Conference Presenters

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Jeremy Gdaniec | **Woodwind Performance**

American Midlife - A Reflection on the State of Modern Society

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Music and Dramatic Arts

Presentation Format: Performance/Reading

Faculty Mentor: Cecilia Kang, PhD

Santosh Ghimire | **Civil and Environmental Engineering**

Past hurricane performance of above-ground storage tanks and their future risk considering sea level rise and subsidence scenarios

Topic Area: STEM

Degree Pursued: Master's

Major College: College of Engineering

Presentation Format: Poster

Faculty Mentor: Sabarethinam Kameshwar, PhD

Shimul Ghosh | **Civil Engineering (Environmental Engineering)**

Quantifying public health risks of poor on-site sanitation in Louisiana: A QMRA approach

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Engineering

Presentation Format: Poster

Faculty Mentor: Aaron Bivins, PhD

2023 LSU Graduate Research Conference Presenters

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Jasmine Gibbs | Human Ecology - Merchandising

The Advancement of Fashion Entrepreneurship: An Economic Analysis of Social Media and Self-Branding's Influence on Small Business Development

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Agriculture

Presentation Format: Poster

Faculty Mentor: Chunmin Lang, PhD

Jane Glanzer | Physics

Noise in the LIGO Livingston Gravitational Wave Observatory due to Trains

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Gabriela Gonzalez, PhD

Brecklyn Groce | Chemistry

Effects of Clays and Other Fillers in Preparation of Epoxy-Vinyl Ether Composites by Radical-Induced Cationic Frontal Polymerization

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Oral

Faculty Mentor: John Pojman, PhD

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J.P. Grundhoefer | Chemistry

Investigating the Effect of Confinement of Electrocatalysts in Anionic Metal-Organic Cages

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Noemie Elgrishi, PhD

Andre Guimaraes | Physics

Comparison of GstLAL Performance in Gaussian and LIGO Data

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Gabriela Gonzalez, PhD

Shaopan Guo | Electrical Engineering

Optimal Re-Sequencing of Connected and Autonomous Electric Vehicles in Battery SOC-Aware Platooning

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Engineering

Presentation Format: Poster

Faculty Mentor: Xiangyu Meng, PhD

2023 LSU Graduate Research Conference Presenters

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Bethany Hager | Leadership and Human Resource Development

Living Beyond Loss: An Analysis of Social Media Posts of Women Returning to Work after Losing Their Spouse

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Human Sciences and Education

Presentation Format: Poster

Faculty Mentor: Oliver Crocco, PhD

Omaima Hajjami | LHRD

International Arab Teaching Assistants and Intercultural Competence Challenges

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Human Sciences and Education

Presentation Format: Oral

Faculty Mentor: Sunyoung Park, PhD

Fatimah Hakeem | Textiles, Apparel Design, and Merchandising

Beyond Abaya

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Agriculture

Presentation Format: Visual Display

Faculty Mentor: Sabei Xia, PhD

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Fatimah Hakeem | Textiles, Apparel Design, and Merchandising

Talisman

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Agriculture

Presentation Format: Visual Display

Faculty Mentor: Sabei Xia, PhD

Fatimah Hakeem | Technology in Apparel Design

THUNDER

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Agriculture

Presentation Format: Poster

Faculty Mentor: Casey Stannard, PhD

Dewan Mohammad Enamul Haque | Geology

The Global Decadal scale Impacts on Cropland from Anthropogenic Climate Change

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Suniti Karunatilake, PhD

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William Hawkins | Journalism

Sound and Fury: The Power of Audio Storytelling

Topic Area: MESH

Degree Pursued: Master's

Major College:anship School of Mass Communication

Presentation Format: Poster

Faculty Mentor: Asha Winfield, PhD

Xuxian He | Chemistry

Development of bis-diimide scaffold as a new receptor for selective lithium-ion binding

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Semin Lee, PhD

Mason Heath | Medical Physics

Energy Spectrometer for Real-time Calibration of Electron Beams from Medical Linear Accelerators

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Kenneth Matthews, PhD

2023 LSU Graduate Research Conference Presenters

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Elizabeth Heintz | Exercise Physiology

Sex-Specific Effects of Thermoneutral Housing and NASH Diet on Liver Outcomes in Mice

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Human Sciences and Education

Presentation Format: Poster

Faculty Mentor: Brian Irving, PhD

Robert Herman | Chemistry

Modular Synthesis of Carbon Nanohoops using Alkyne Metathesis

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Semin Lee, PhD

Alicia Hilaire | French

Rethinking Ideas About Community: In The Mountains of Cazale, Haiti

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Humanities and Social Sciences

Presentation Format: Poster

Faculty Mentor: Greg Stone, PhD

2023 LSU Graduate Research Conference Presenters

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Holly Honore | Cosmetic Science

L'Orella: A Virtual Metaverse Shopping Mall (L'Oreal Brandstorm 2023 Presentation)

Topic Area: STEM

Degree Pursued: Master's

Major College: College of Science

Presentation Format: Oral

Faculty Mentor: Zakiya Wilson-Kennedy, PhD

Chien-I Hsu | Nutrition and Food Science

Carboxyl methyl cellulose (CMC) biodegradable biopolymer coating containing rosemary oil extract to reduce E. coli O157:H7

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Agriculture

Presentation Format: Poster

Faculty Mentor: subramaniam sathivel, PhD

Long Huang | Computer Science

Solving Puzzle Challenges with Implicit Palm Contact Responses for Mobile User Authentication

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Engineering

Presentation Format: Poster

Faculty Mentor: Chen Wang, PhD

2023 LSU Graduate Research Conference Presenters

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Vanessa Hulse | Chemistry

Nitrite Reduction using a Copper Containing Electrocatalyst

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Noémie Elgrishi, PhD

Anissa Hyde | Environmental Science

Linking small areas and regional dynamics to big events, long-term stressors, and planning processes.

Topic Area: STEM

Degree Pursued: Master's

Major College: College of the Coast and Environment

Presentation Format: Poster

Faculty Mentor: Thomas Douthat, PhD

Ipsheit Idris | Construction Management

Retroreflectivity Degradation Modeling of Pavement Markings in Different US Climatic Zones Using Random Forest: A Supervised Machine Learning Algorithm

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Engineering

Presentation Format: Poster

Faculty Mentor: Marwa Hassan, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Emmanuel Igbokwe | Mechanical Engineering (Material Science)

High-temperature shape memory photopolymer Concrete and Thin layer Sealant with intrinsic flame retardancy and High Interfacial Bonding Stress.

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Engineering

Presentation Format: Poster

Faculty Mentor: Guoqiang Li, PhD

Vivian Iles | Hispanic Studies

Inhabited words in education: palabrario

Topic Area: MESH

Degree Pursued: Master's

Major College: College of Humanities and Social Sciences

Presentation Format: Visual Display

Faculty Mentor: Jose Rojas, PhD

Rohit Jha | Biological Science

Impacts of Water Hyacinth (Eichhornia crassipes) as an Invader on Freshwater Ecosystem: A Meta-analysis

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Daijiang Li, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Matthew Jimenez | Cognitive and Brain Sciences

Jazz vs. Classical: Recognition Memory for Genre-specific Melodies

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Humanities and Social Sciences

Presentation Format: Poster

Faculty Mentor: David Saccardi, PhD

Alana Johnson | Acting

Stand up for Girl Power

Topic Area: MESH

Degree Pursued: Master's

Major College: College of Music and Dramatic Arts

Presentation Format: Performance/Reading

Faculty Mentor: Rockford Sandsom, PhD

Christopher Johnson | Philosophy

Beyond Compulsion: Félix Ravaisson's Conception of Habit

Topic Area: MESH

Degree Pursued: Master's

Major College: College of Humanities and Social Sciences

Presentation Format: Oral

Faculty Mentor: Deborah Goldgaber, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Soheil Kafiliveyjuyeh | Media and Public Affairs

Divided Western Media: Responses to the Orientalist News Coverage of Russia's Invasion of Ukraine

Topic Area: MESH

Degree Pursued: PhD

Major College:anship School of Mass Communication

Presentation Format: Oral

Faculty Mentor: Ruth Moon, PhD

Eunchong Kang | Voice

Femme Fatale in German Lieder: Songs of Lorelei by Clara Schumann, Franz Liszt, and Alexander Zemlinsky

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Music and Dramatic Arts

Presentation Format: Performance/Reading

Faculty Mentor: Lori Bade, PhD

Wu Ji Khoo | DMA in Vocal Performance

Advancing Asian Art Music in the United States: A Performer's Guide to Chee Yeon Wong's "Mementos of Innocence" and "Three Yeats Songs"

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Music and Dramatic Arts

Presentation Format: Performance/Reading

Faculty Mentor: Robert Grayson, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Seonwoo Kim | Media & Public Affairs

Solidarity action and misunderstanding correction stories to reduce Black-Asian conflicts: Evidence from two experiments

Topic Area: MESH

Degree Pursued: PhD

Major College:anship School of Mass Communication

Presentation Format: Poster

Faculty Mentor: Raymond Pingree, PhD

Katherine Kinamore | Curriculum and Instruction- Early Childhood Education

Video Analysis and Professional Development

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Human Sciences and Education

Presentation Format: Oral

Faculty Mentor: Cynthia DiCarlo, PhD

Courtney Klee | Architecture

How did the implementation of the Federal-Aid Highway Act of 1956 impact East Baton Rouge Parish from the 1950s to 1970s in terms of mobility, industry, and people?

Topic Area: MESH

Degree Pursued: Master's

Major College: College of Art and Design

Presentation Format: Visual Display

Faculty Mentor: Fabio Capra Ribeiro, PhD

Team Members: Grayson Loudon, Jou Chuch Lee, and Rachel Hewitt

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Seth Knievel | Communication Studies

Southern Sapphics: Accessing and Advancing Southern Queer Archives

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Humanities and Social Sciences

Presentation Format: Poster

Faculty Mentor: Travis Brisini, PhD

John Konlan | Mechanical Engineering

Development of a Multifunctional Self-Healing Composite Laminate with Shape Memory Alloy Sinusoidal Z-Pins

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Engineering

Presentation Format: Oral

Faculty Mentor: Guoqiang Li, PhD

Sanjay Kumar | Biological Sciences

Back-up plans for ribosome biogenesis

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Anne Grove, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Brandon LaFleur | Music Theory

The Binary Rhythm Tree: Notational and Cognitive Limitations on the Rhythmic Hierarchy

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Music and Dramatic Arts

Presentation Format: Visual Display

Faculty Mentor: Olivia Lucas, PhD

Claire Lanclos | Biological Engineering

Modulated Cell-Free Protein Synthesis System For Biomanufacturing of Multiple Disulfide Bond Containing Therapeutic Proteins

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Engineering

Presentation Format: Poster

Faculty Mentor: Yong Chan Kwon, PhD

Derrick Lathan | Sociology

Round II: Exploring the Experiences of Black, First-Generation Graduate and Professional Students at HBCUs

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Humanities and Social Sciences

Presentation Format: Oral

Faculty Mentor: Lori Martin, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

John Le | Pathobiological Sciences

NLRP10 Inflammasome Modulates Host Defense During Pneumonia

Topic Area: STEM

Degree Pursued: PhD

Major College: School of Veterinary Medicine

Presentation Format: Poster

Faculty Mentor: Samithamby Jeyaseelan, PhD

Alexander Lee | Comparative Biomedical Sciences

Development of a Low Cost, 3D Printable Canine Prosthetic

Topic Area: STEM

Degree Pursued: PhD

Major College: School of Veterinary Medicine

Presentation Format: Oral

Faculty Mentor: Michelle Osborn, PhD

Jiyoung Lee | Geography

Identify the Characteristics of Crime Hotspots Using Machine Learning and Google Street View

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Humanities and Social Sciences

Presentation Format: Poster

Faculty Mentor: Michael Leitner, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Schyler Lee | Entomology

*Field testing commercial entomopathogens for control of sweetpotato weevil, *Cylas formicarius elegantulus* (Summers)*

Topic Area: STEM

Degree Pursued: Master's

Major College: College of Agriculture

Presentation Format: Oral

Faculty Mentor: Jeffrey Davis, PhD

Brandon Leviskas | Biological Sciences-Neuroscience

CFTR and Syntaxin-1A interact in chick retinal amacrine cells

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Evanna Gleason, PhD

Shucong Lin | Entomology

*Calling, mating, and reproductive behaviors of lab-adapted and field-collected *Helicoverpa zea* in presence and absence of cannibalism and host plants*

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Agriculture

Presentation Format: Oral

Faculty Mentor: Fangneng Huang, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Gabriella Lindsay | Information Science

Embroidery as Information

Topic Area: MESH

Degree Pursued: Master's

Major College: College of Human Sciences and Education

Presentation Format: Art Show

Faculty Mentor: Boryung Ju, PhD

Jianshu Liu | Computer Science

Coordinating Fast Concurrency Adapting with Autoscaling for SLO-Oriented Web Applications

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Engineering

Presentation Format: Oral

Faculty Mentor: Qingyang Wang, PhD

Sujun Liu | Merchandising

Fashion Resale in China: an Overview

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Agriculture

Presentation Format: Oral

Faculty Mentor: Chunmin Lang, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Wei Liu | PhD in Economics

Rolling Window Selection for Three-Pass Regression Filter Forecasting with Time-varying Coefficients

Topic Area: STEM

Degree Pursued: PhD

Major College: E.J. Ourso College of Business

Presentation Format: Oral

Faculty Mentor: Qiankun Zhou, PhD

Andres Lizano | Chemical Engineering

Machine learning-based framework allows for rapid production of arbitrary colloidal self-assembly.

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Engineering

Presentation Format: Oral

Faculty Mentor: Xun Tang, PhD

Stephanie Lopez | Cognitive and Brain Sciences (Psychology)

The Influence of Native Language on Motion Event Encoding: An ERP Study

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Humanities and Social Sciences

Presentation Format: Poster

Faculty Mentor: Julie Schneider, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Sarah Ludwig | Nutrition - Human Nutrition Track

Developing & Testing a Food Literacy Questionnaire for Adults with Type 2 Diabetes Mellitus

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Agriculture

Presentation Format: Poster

Faculty Mentor: Georgianna Tuuri, PhD

Cehong Luo | Geography

Modeling Urban Structure Patterns and analyzing the effects of MAUP in Tampa, Florida: A Big Data Approach

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Humanities and Social Sciences

Presentation Format: Oral

Faculty Mentor: Fahui Wang, PhD

Roodra Manogaran | Geology and Geophysics

Paleohydraulic Investigation of Martian Equatorial Inverted Channels in a Volatile-Enriched Geochemical Province

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Suniti Karunatilake, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Ivan Martínez-Espinoza | Pathobiological Sciences

Respiratory pneumovirus-induced small non-coding RNAs alter the innate immune response in phagocytes and epithelial cells

Topic Area: STEM

Degree Pursued: PhD

Major College: School of Veterinary Medicine

Presentation Format: Oral

Faculty Mentor: Antonieta Guerrero-Plata, PhD

Muneera Mashkooor | Biological Sciences

The role of sequence-specific transcription factor binding site in the regulation of ribosome biogenesis genes

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Anne Grove, PhD

Naqib Mashrur | Civil Engineering (Structural Engineering and Resilience)

Investigating the Impact of Mitigation Measures on Road Networks for Enhancing Connectivity to Essential Services in Hazard-Prone Communities

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Engineering

Presentation Format: Poster

Faculty Mentor: Sabarethinam Kameshwar, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Jeffrey Matthew | Biological Sciences

The role of the Sp/KLF transcription factor Hucklebein during tubular organ formation in Drosophila

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Oral

Faculty Mentor: SeYeon Chung, PhD

Elaina McBride | Piano Pedagogy

Better Together: The Benefits of Learning and Performing Piano Duets

Topic Area: MESH

Degree Pursued: Master's

Major College: College of Music and Dramatic Arts

Presentation Format: Poster

Faculty Mentor: Pamela Pike, PhD

Heath McNeese | Sociology

Centering "Transgender Brains": Neurobiological Authority Claims in Broader Discussions of Transgender Identities

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Humanities and Social Sciences

Presentation Format: Poster

Faculty Mentor: Kevin Smiley, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Himanshu Mehra | Biochemistry

Multiple roles of PrtA in Synechocystis sp. PCC 6803

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: David Vinyard, PhD

Mario Melendez | Food Science

Assessment of the efficacy of antimicrobial properties of a turmeric curcumin-loaded nano-emulsion in reducing pathogen loads

Topic Area: STEM

Degree Pursued: Master's

Major College: College of Agriculture

Presentation Format: Poster

Faculty Mentor: Subramaniam Sathivel, PhD

Md Manik Mia | Structural Engineering

Probabilistic assessment of material failure in above ground storage tanks during flood events

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Engineering

Presentation Format: Poster

Faculty Mentor: Sabarethinam Kameshwar, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Nathan Mitchell | Chemistry

Investigation of the Functionalization of Iron Porphyrins and its Effect on Redox Flow Batteries and CO2 Electrolyzers

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Noémie Elgrishi, PhD

Mohamed Mohamed | Civil and Environmental Engineering

Developing a Fuel Savings Performance Function for Truck Platooning: Insights for Sustainable Transportation

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Engineering

Presentation Format: Poster

Faculty Mentor: Hany Hassan, PhD

Orlando Montalvo Avalo | Master of Music - Vocal Performance

Cinco Canciones Populares Argentinas by Alberto Ginastera

Topic Area: MESH

Degree Pursued: Master's

Major College: College of Music and Dramatic Arts

Presentation Format: Performance/Reading

Faculty Mentor: Loraine Sims, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Fatemeh Mostafavikhatam | Physics

Quantum Plasmonic Sensing Using Conditional Measurements

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Oral

Faculty Mentor: Omar Magana-Loaiza, PhD

Meysam Motaharfar | Physics

Quantum Gravitational Creation of Universe from Nothing

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Parampreet Singh, PhD

Shashank Muley | Construction Management

Construction Workers Near-Miss Recognition - A Personality Study

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Engineering

Presentation Format: Poster

Faculty Mentor: Chao Wang, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Chelsea Murry | Curriculum Studies

"When Black Women whisper..."

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Human Sciences and Education

Presentation Format: Poster

Faculty Mentor: Molly Quinn, PhD

Tyler Musgrove | Entomology

Effects of planting date and rice cultivar on rice water weevil density and stem borer injury

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Agriculture

Presentation Format: Oral

Faculty Mentor: Blake Wilson, PhD

Debasmita Nandi | PhD in Physics

Comparative Study of Noise Produced by Trains at the LIGO Livingston Observatory

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Gabriela Gonzalez, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Melanie Naples | Art History

Transitory Gender: Androgynous Handles on Praenestine Cistae

Topic Area: MESH

Degree Pursued: Master's

Major College: College of Art and Design

Presentation Format: Oral

Faculty Mentor: Ludovico Geymonat, PhD

Treya Nash | Composition

"Frog" and Interactive Exhibition

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Music and Dramatic Arts

Presentation Format: Art Show

Faculty Mentor: Jesse Allison, PhD

Caroline Ndung'u | Chemistry

A Comparison of the Photophysical, Electrochemical and Cytotoxic Properties of meso-(2-, 3- and 4-Pyridyl)-BODIPYs and Their Derivatives

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Oral

Faculty Mentor: Graca Vicente, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Sunday Negedu | Biochemistry

Investigating Drosophila BEAF insulator protein roles in transcription: promoter activation and mediation of long-range enhancer-promoter communication

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Craig Hart, PhD

Lan Nguyen | Linguistics

The role of parents in maintaining and transmitting the mother tongue to children. Case of Vietnamese immigrant families in Baton Rouge

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Humanities and Social Sciences

Presentation Format: Poster

Faculty Mentor: Sylvie Dubois, PhD

Shania Nichols | Physics and Astronomy

The Glitches That Try To Silence the Universe

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Oral

Faculty Mentor: Gabriela Gonzalez, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Kritee Niroula | Human Nutrition

Measuring the prevalence of Food Insecurity among International Students at Louisiana State University

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Agriculture

Presentation Format: Poster

Faculty Mentor: Erin McKinley, PhD

Elaine Nkwocha | Biological Sciences

The regulatory effects of BifR on the fitness and physiology of Burkholderia thailandensis

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Anne Grove, PhD

Sebastian Oloo | Chemistry

Synthesis, reactivity and properties of novel pyrazine-benzofluoro fused fluorescent dyes (BOPYPYs)

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Oral

Faculty Mentor: Graca Vicente, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Wolé Olúgúnlè | French, Francophone, and Comparative Literature

Ifa, Philosophy, and African Literature: An Ifacritic Analysis Achebe and Ousmane

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Humanities and Social Sciences

Presentation Format: Oral

Faculty Mentor: Gregory Stone, PhD

Omar Omar | Engineering Science

Optimization of Self-healing Efficiency of Bacterial Concrete Using Impregnation of Three Different Precursors into Lightweight Aggregate

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Engineering

Presentation Format: Oral

Faculty Mentor: Marwa Hassan, PhD

Erika Ornouski | Geography

A Stable Isotopic Profile of Atmospheric River Precipitation Impacting Northern California

Topic Area: STEM

Degree Pursued: Master's

Major College: College of Humanities and Social Sciences

Presentation Format: Poster

Faculty Mentor: Kristine DeLong, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Alireza Ostadrahimi | Mechanical Engineering

Straightening Behavior of an SMA Column

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Engineering

Presentation Format: Poster

Faculty Mentor: Guoqiang Li, PhD

LaDonna Ouedraogo | Acting

The Dual Side of Privilege

Topic Area: MESH

Degree Pursued: Master's

Major College: College of Music and Dramatic Arts

Presentation Format: Performance/Reading

Faculty Mentor: Rockford Sansom, PhD

Ronald Pagano | Physics

Quieting the Quanta: Mitigating Quantum Effects in Gravitational Wave Detectors

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Agriculture

Presentation Format: Poster

Faculty Mentor: Thomas Corbitt, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Abhishek Pandit | Cancer Biology

Deleting Caveolin-1 In Epithelial Cells Increases Doxorubicin Sensitivity in Advanced Stage of Breast Cancer

Topic Area: STEM

Degree Pursued: PhD

Major College: School of Veterinary Medicine

Presentation Format: Poster

Faculty Mentor: Joseph Francis, PhD

Bhavana Patla | Entomology

Geographical Susceptibility of Fall Armyworm Populations in the Southern Region of the United States to Five Common Chemical Insecticides

Topic Area: STEM

Degree Pursued: Master's

Major College: College of Agriculture

Presentation Format: Poster

Faculty Mentor: Fangneng Huang, PhD

Josiah Pearsall | Performance Studies

I am a meadow: an international, interspecies performance research collaboration

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Humanities and Social Sciences

Presentation Format: Visual Display

Faculty Mentor: Serap Erincin, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Brandy Perkins | Analytical Chemistry

MALDI Imaging Using GUMBOS Matrices

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Kermit Murray, PhD

Jamie Phelps | Biological Sciences - Systematics of Ecology and Evolution

A morphometric study of the Melitaeini tribe (Nymphalidae: Lepidoptera)

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Morgan Kelly, PhD

Mercedes Pinzon Delgado | Oceanography and Coastal Sciences

Impact of River Reconnection on Denitrification in Brackish Marsh Soils in Coastal Louisiana, USA

Topic Area: STEM

Degree Pursued: Master's

Major College: College of the Coast and Environment

Presentation Format: Poster

Faculty Mentor: John R White, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Kwabena Poku-Agyemang | Geology and Geophysics

Grain coordination numbers, and granular texture from Micro X-ray tomography of angular sands: Velocity predictions using Hertz-Mindlin Theory

Topic Area: STEM

Degree Pursued: Master's

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Juan Lorenzo, PhD

Kassidy Porche | Biological Engineering

In vitro post-translational deimination via peptidyl arginine deiminase enriched crude cell extract system

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Engineering

Presentation Format: Poster

Faculty Mentor: Yongchan Kwon, PhD

Nimesha Rajapaksha | Chemistry

Low pH and divalent metal cations assisted dodecameric assembly of Pa Dps from Pseudomonas aeruginosa PAO1

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Oral

Faculty Mentor: Mario Rivera, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Stephanie Karen Ramos | Plant Pathology

Developing tools for integrated management of Cercospora leaf blight on soybean across the mid-South

Topic Area: MESH

Degree Pursued: Master's

Major College: College of Agriculture

Presentation Format: Poster

Faculty Mentor: Sara Thomas-Sharma, PhD

Karen Renninger-Rojas | Oceanography and Coastal Science

Assessing the Potential of SMART Subsea Cables for Monitoring Essential Ocean Variables

Topic Area: STEM

Degree Pursued: Master's

Major College: College of the Coast and Environment

Presentation Format: Poster

Faculty Mentor: Cheryl Harrison, PhD

Terri Ricks | Leadership & Human Resource Development

Poverty training for social services workers: An explanatory mixed methods study on how poverty training can impact attitudes toward poverty leading to more effective service delivery outcomes.

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Human Sciences and Education

Presentation Format: Poster

Faculty Mentor: Petra Robinson, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Khaleda Chowdhury Rinee | Chemistry

Characterizing the porous micro structure of aluminum-based adjuvant using Small angle scattering (SAS)

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Amy Xu, PhD

Victoria Rittel | Macromolecular Chemistry

Time Makes the mAb Grow Fonder: Effects of Aging on NISTmAb Solution Stability with Various Excipients

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Amy Xu, PhD

Olivia Romaguera | Mass Communication

News(?)papers: A typology of fake news, 1880-1920

Topic Area: MESH

Degree Pursued: Master's

Major College: Manship School of Mass Communication

Presentation Format: Poster

Faculty Mentor: John Hamilton, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Carlos Roman | Experimental Music & Digital Media

Experimental Music in the Colombian Post-Conflict Era

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Music and Dramatic Arts

Presentation Format: Poster

Faculty Mentor: Jesse Allison, PhD

Hannah Ross | Mass Communication

A New Test of the News: An Examination of the New York Times and CNN Coverage of the War in Ukraine

Topic Area: MESH

Degree Pursued: Master's

Major College:anship School of Mass Communication

Presentation Format: Poster

Faculty Mentor: Meghan Sanders, PhD

Shinjini Roy | Sociology

Enter the Blogosphere: An Inquiry into the World of Indian Parenting Websites

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Humanities and Social Sciences

Presentation Format: Poster

Faculty Mentor: Sarah Becker, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Brandon Russell | Biochemistry and Molecular Biology

Arginine 334 of the D1 protein is essential for stabilizing the extrinsic subunit PsbO to Photosystem II

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Oral

Faculty Mentor: David Vinyard, PhD

Chico Sambo | Petroleum Engineering

Enhancing Gas Hydrate Reservoir Simulation: Integrating Pore-Scale and Continuum-Scale Model

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Engineering

Presentation Format: Oral

Faculty Mentor: Karsten Thompson, PhD

Melanie Sandahl | Early Childhood Curriculum and Instruction

Teaching Self-Regulation Strategies to Early Childhood Educators

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Human Sciences and Education

Presentation Format: Oral

Faculty Mentor: Cynthia DiCarlo, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Jasmine Sanford | Chemistry

Controlled host-guest interactions of ruthenium (III/II) β -diketonate hosts with alkali-metal guests

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Andrew Maverick, PhD

Leticia Santos | Plant and Environmental Soil Science

Soybean yield prediction using machine learning algorithms under a cover crop management system

Topic Area: STEM

Degree Pursued: Master's

Major College: College of Agriculture

Presentation Format: Poster

Faculty Mentor: Thanos Gentimis, PhD

Md Tanvir Ahmed Sarkar | Civil and Environmental Engineering

Evaluating Asphalt Mixtures with Superior Performance against Stripping and Moisture Damage

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Engineering

Presentation Format: Poster

Faculty Mentor: Mostafa A. Elseifi, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Tonmoy Sarker | Electrical Engineering

Vision-based Perception for Connected and Autonomous Vehicles (CAVs)

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Engineering

Presentation Format: Poster

Faculty Mentor: Xiangyu Meng, PhD

Siavash Sarrafan | Mechanical Engineering

A Hybrid Syntactic /Open-Cell Shape Memory Polymer Foam

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Engineering

Presentation Format: Oral

Faculty Mentor: Guoqiang Li, PhD

Luke Sawyer | Oceanography and Coastal Sciences

Atmospheric Teleconnections Affecting the Dynamics of Hypoxia in the Northern Gulf of Mexico

Topic Area: STEM

Degree Pursued: PhD

Major College: College of the Coast and Environment

Presentation Format: Oral

Faculty Mentor: Nancy Rabalais, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Allison Scarboro | Biochemistry

Processing of non-canonical tRNA hybrids by endonuclease RNase P

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Anastasios Vourekas, PhD

Tristan Schefke | Physics

Characterizing Silicon Photomultipliers to Glimpse Ghostlike Particles in Japan

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Thomas Kutter, PhD

Fahima Shaon | Chemistry

Formation and Characterization of Temporal Controlled Thermoset Adhesive Based on Thiol-Michael Addition Triggered by Urea-urease Clock Reaction using Watermelon Seed Powder (WMSP).

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: John A Pojman, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Amit Sharma | Pathobiological Sciences (Infectious Diseases Immunology)

Activation of the Endoplasmic Reticulum Stress Regulator IRE1 α Compromises Immunity to MRSA Lung Infection

Topic Area: STEM

Degree Pursued: PhD

Major College: School of Veterinary Medicine

Presentation Format: Oral

Faculty Mentor: Basel H. Abuaita, PhD

Rishikesh Shetty | Petroleum Engineering

Empirical Correlations for Predicting Flow Rates using Distributed Acoustic Sensor Measurements Validated with Wellbore and Flow Loop Datasets

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Engineering

Presentation Format: Oral

Faculty Mentor: Jyotsna Sharma, PhD

Tiago Silva | Entomology

Susceptibilities of fall armyworm populations from the southern region of the United States to four common Bt proteins

Topic Area: STEM

Degree Pursued: Master's

Major College: College of Agriculture

Presentation Format: Poster

Faculty Mentor: Fangneng Huang, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Nathalia Soares | Computer Science

A Malware Analysis of Ducktail

Topic Area: STEM

Degree Pursued: Master's

Major College: College of Engineering

Presentation Format: Poster

Faculty Mentor: Golden Richard, PhD

Christopher Song | Music Education

Preserving the Historic and Cultural Music of Louisiana Through School Music: An Ethnographic Case Study

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Music and Dramatic Arts

Presentation Format: Poster

Faculty Mentor: Ann Marie Stanley, PhD

Tanner Sparks | Entomology

*Biological Control Research for the Invasive Scale, *Nipponaclerda Biwakoensis* (Acleridae), in Louisiana*

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Agriculture

Presentation Format: Poster

Faculty Mentor: Rodrigo Diaz, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Alex Stackhouse | Pathobiological Sciences

Polyunsaturated Fatty Acids: Host-derived Molecules That Kill Staphylococcus aureus.

Topic Area: STEM

Degree Pursued: PhD

Major College: School of Veterinary Medicine

Presentation Format: Poster

Faculty Mentor: Willaim Beavers, PhD

James Stampley | School of Kinesiology

Effects of Resistance Training with Low-Intensity Physical Activity on Muscle Oxidative Capacity in Older Adults

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Human Sciences and Education

Presentation Format: Oral

Faculty Mentor: Brian Irving, PhD

Anna Stanley | Master's in Violin Performance

Selections of Astor Piazzolla's Four Seasons of Buenos Aires: Fall and Winter

Topic Area: MESH

Degree Pursued: Master's

Major College: College of Music and Dramatic Arts

Presentation Format: Performance/Reading

Faculty Mentor: Espen Lilleslatten, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Meredith Stemen | Collaborative Piano (Doctor of Musical Arts)

Dissecting the Musical Narrative: Representational Motives and Expressive Tonality in Liszt's Drei Lieder aus Wilhelm Tell

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Music and Dramatic Arts

Presentation Format: Poster

Faculty Mentor: Ana Maria Otamendi, PhD

Marvin Stewart | Chemistry

Phenoxide Ligand Synthesis for Alkyne metathesis Catalyst

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Semin Lee, PhD

Tyler Stokes | Physics

Unraveling the Mystery of the Missing Antimatter: Searching for Baryon Number Violation with the Deep Underground Neutrino Experiment (DUNE)

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Agriculture

Presentation Format: Oral

Faculty Mentor: Thomas Kutter, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Morgan Strzynski | Textiles, Apparel Design, and Merchandising

Irish Crochet Lace: A History of a Handmade Commodity

Topic Area: MESH

Degree Pursued: Master's

Major College: College of Agriculture

Presentation Format: Visual Display

Faculty Mentor: Michael Mamp, PhD

Kameron Sullivan | Physics

Post-Newtonian Waveform Approximations in association to Glitches in LIGO data

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Oral

Faculty Mentor: Gabriela González, PhD

Weiliang Sun | Environmental Engineering

A Novel Dewatering Method for Hydrogels by Ammonia Gas

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Engineering

Presentation Format: Poster

Faculty Mentor: Samuel Snow, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Nina Susich | Geography

*Progress Towards Coral Temperature and Runoff Reconstructions in Haiti Using a *Siderastrea siderea* Coral Microatoll*

Topic Area: STEM

Degree Pursued: Master's

Major College: College of Humanities and Social Sciences

Presentation Format: Poster

Faculty Mentor: Kristine DeLong, PhD

Samer Tahboub | Electrical Engineering (Control Engineering)

A hybrid approach to state-of-charge estimation for electric vehicles

Topic Area: STEM

Degree Pursued: Master's

Major College: College of Engineering

Presentation Format: Poster

Faculty Mentor: Xiangyu Meng, PhD

Sajila Riman Tanha | Chemistry

Alkyne Metathesis Catalysts with Fluorinated Alkoxide Podand (FLAP) Ligands

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Semin Lee, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Miya Tate | Social Work and Public Health (Dual Degree)

Exploring the Impact of Age on Mental Health in Black Adults: Health Access as a Protector Factor

Topic Area: MESH

Degree Pursued: Master's

Major College: College of Human Sciences and Education

Presentation Format: Poster

Faculty Mentor: Shawndaya Thrasher, PhD

Amir Teimouri | Materials Science and Engineering

Experimental and numerical investigation on the effect of core-shell microcapsule sizes on mechanical properties of microcapsule-based polymers.

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Engineering

Presentation Format: Poster

Faculty Mentor: Guoqiang Li, PhD

Maya Tessler | Oceanography

Modeled last millennium ocean response to volcanism

Topic Area: STEM

Degree Pursued: Master's

Major College: College of the Coast and Environment

Presentation Format: Poster

Faculty Mentor: Cheryl Harrison, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Shriya Thakkar | Sociology

"Bollywood Provides Bread, At least Doesn't Abandon Women After Rape": India in the Time of #MeToo

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Humanities and Social Sciences

Presentation Format: Oral

Faculty Mentor: Kevin Smiley, PhD

Trai Thomas | Design (Cultural Preservation)

If You Can't Take the Heat

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Art and Design

Presentation Format: Visual Display

Faculty Mentor: Jason Buch, PhD

Alisha Thompson | Social Work

Social Engagement Among Community-Dwelling Older Adults: A Quality-of-Life Analysis

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Human Sciences and Education

Presentation Format: Poster

Faculty Mentor: Scott Wilks, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Joshua Thompson | English

Mystery Project: Mystical Poetics: Languages of Divinity

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Humanities and Social Sciences

Presentation Format: Oral

Faculty Mentor: Chris Barrett, PhD

Farshid Torabian | Design

The significance of occupant behavior adaptability in achieving net-zero residential architecture in Baton Rouge, Louisiana

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Art and Design

Presentation Format: Poster

Faculty Mentor: Amirhosein Jafari, PhD

Huu Dat Tran | Media and Public Affairs

"To swipe, or not to swipe": Exploring the uses and gratifications of dating applications among young adults of the LGBTIQ+ community

Topic Area: MESH

Degree Pursued: PhD

Major College:anship School of Mass Communication

Presentation Format: Poster

Faculty Mentor: Meghan Sanders, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Julian Traphagan | Geology & Geophysics

Late Miocene Uplift History of the Tibetan Plateau: Compound-Specific Isotope Analysis (CSIA) of Terrestrial Leaf Wax n-Alkanes Preserved in Marine Sediments

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Guangsheng Zhuang, PhD

Ba-Anh-Tu (Tu) Truong | Mass Communication

We are All in This Together: Government Involvement in Multinational Company's Corporate Social Responsibility Initiatives for A Better Vietnam

Topic Area: MESH

Degree Pursued: Master's

Major College: Manship School of Mass Communication

Presentation Format: Poster

Faculty Mentor: Meghan Sanders, PhD

Carondalette Turner | Human Resource and Leadership Development

Understanding the Impact of Participating in Gambling Activities have on Women

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Agriculture

Presentation Format: Oral

Faculty Mentor: Michael Burnett, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Erik Turner | Pathobiological Sciences (Arbovirology)

Long-term stability of Orthobunyaviruses in sera and whole blood at relevant temperature profiles

Topic Area: STEM

Degree Pursued: PhD

Major College: School of Veterinary Medicine

Presentation Format: Poster

Faculty Mentor: Rebecca Christofferson, PhD

Vanessa van Heerden | Oceanography and Coastal Sciences

Evaluating Place-Based STEM Research Mentorship through the LSU EnvironMentors Program

Topic Area: STEM

Degree Pursued: PhD

Major College: College of the Coast and Environment

Presentation Format: Poster

Faculty Mentor: Brian Snyder, PhD

Maria Velasquez | Social Work

The Influence of Child Maltreatment in the Manifestation of Anxiety and Depressive Symptoms at the Age of 18

Topic Area: MESH

Degree Pursued: Master's

Major College: College of Human Sciences and Education

Presentation Format: Oral

Faculty Mentor: James Canfield, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Katy Venable | Biomedical Sciences

Blueberry Supplementation for Depression and Anxiety in a Rural Louisiana Population

Topic Area: STEM

Degree Pursued: PhD

Major College: School of Veterinary Medicine

Presentation Format: Poster

Faculty Mentor: Charles Lee, PhD

Vishakha Vishwakarma | Biological Sciences

Ubiquitous and tissue-specific G protein-coupled receptors work together to fine-tune extracellular signal during tubular organ formation

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: SeYeon Chung, PhD

Ningyang Ocean Wang | Interpersonal Communication

Conflict strategy in serial arguments: Is the ultimatum an ultimate solution?

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Humanities and Social Sciences

Presentation Format: Poster

Faculty Mentor: Kellie Brisini, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Qinqin Wang | Media & Public Affairs

*Is There a Balance Between the U.S. Government Secrecy Regime and Free Speech Rights of Government Employees?
The Legal Landscape of the U.S. Government Control of Information*

Topic Area: MESH

Degree Pursued: PhD

Major College: Manship School of Mass Communication

Presentation Format: Oral

Faculty Mentor: Will Mari, PhD

Ruxin Wang | Cyber Security and Privacy

Enhancing Kiosk Systems Security by Verifying the Smartphone User's Gripping Hand Geometry

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Engineering

Presentation Format: Poster

Faculty Mentor: Chen Wang, PhD

Shanki Amaya Wanni Arachchige Don | Planetary Geobiology

Characterizing Weathering Processes of Carbonatites in Sri Lanka for Martian Geologic Context

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Oral

Faculty Mentor: Suniti Karunatilake, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Hemanthie Wickramasinghe | Chemistry

Investigation of the structural stability of the Chlamydia trachomatis type III secretion system chaperone complex, Scc4:Scc1, with its proteins expressed simultaneously and sequentially in E. coli.

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Megan Macnaughtan, PhD

Melanie Wilson | Neuroendocrine Toxicology

Advances toward high-throughput screening of chemicals for developmental and behavioral alterations using the zebrafish model

Topic Area: STEM

Degree Pursued: PhD

Major College: School of Veterinary Medicine

Presentation Format: Poster

Faculty Mentor: Ahmed Abdelmoneim, PhD

Samadhi Wimalagunasekara | Biological Sciences

Convergent Evolution of Genes and Gene Networks in Extremophytes Associated with Salt Stress Tolerance

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Oral

Faculty Mentor: Maheshi Dassanayake, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Matthew Wood | Musicology

Perpetual Purgatory: Lamennais' religious influence on the philosophy and music of Franz Liszt

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Music and Dramatic Arts

Presentation Format: Poster

Faculty Mentor: Blake Howe, PhD

Edward Valley | Curriculum and Instruction

A Review of Van Hiele's Theory

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Human Sciences and Education

Presentation Format: Poster

Faculty Mentor: David Kirshner, PhD

Zach Yarbrough | Physics

Characterizing the Influence of Noise Transients in Advanced LIGO on the GstLAL Search Pipeline

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Science

Presentation Format: Poster

Faculty Mentor: Gabriela Gonzalez, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Teye Yevuyibor | Sociology

"Oh yes! I earn enough": Examining the activities that establish Agency in Scrap Dealing in Urban Ghana

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Humanities and Social Sciences

Presentation Format: Oral

Faculty Mentor: Kevin T. Smiley, PhD

Seunghwan Yoo | Sociology

When It Comes to Abortion, Who Is a Person? The Opposing Depictions of Women and Babies in Fox News and MSNBC Media From 2009 to 2020.

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Humanities and Social Sciences

Presentation Format: Poster

Faculty Mentor: Heather Rackin, PhD

Lane Yutzy | Biological Engineering

Improving machine learning-assisted directed protein evolution by leveraging structure prediction modeling

Topic Area: STEM

Degree Pursued: PhD

Major College: College of Engineering

Presentation Format: Poster

Faculty Mentor: Philip Jung, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Jake Zawlacki | Creative Writing

Kazakh Poet Akhmet Baitursynuly's "Masa"

Topic Area: MESH

Degree Pursued: Master's

Major College: College of Humanities and Social Sciences

Presentation Format: Performance/Reading

Faculty Mentor: Ariel Francisco, PhD

Yutian Zeng | Geography

Disparities in Spatial Accessibility of Primary Care in Louisiana: From Physical to Virtual Accessibility

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Humanities and Social Sciences

Presentation Format: Poster

Faculty Mentor: Fahui Wang, PhD

Yanbo Zhang | Textiles, Apparel Design and Merchandising

Empirically examining young consumers' perceptions and evaluations of digital fashion

Topic Area: MESH

Degree Pursued: Master's

Major College: College of Agriculture

Presentation Format: Oral

Faculty Mentor: Chuanlan Liu, PhD

2023 LSU Graduate Research Conference Presenters

(listed alphabetically by last name)

Zeliu Zheng | Geography

Spatial Behavior of Hospital Visits by Hand, Foot, and Mouth Disease Patients in Nanchang, China

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Humanities and Social Sciences

Presentation Format: Poster

Faculty Mentor: Fahui Wang, PhD

Fangyue Zou | Sociology

Conspiracy Theories During the COVID-19 Pandemic

Topic Area: MESH

Degree Pursued: PhD

Major College: College of Humanities and Social Sciences

Presentation Format: Poster

Faculty Mentor: Wesley Shrum, PhD