



THE UNIVERSITY OF
SOUTHERN MISSISSIPPI

Research Day

Friday, November 12th

Thad Cochran 214, 216, Ballrooms I & II

8:30 am	Opening Remarks	Dr. Gordon Cannon	
8:45 am	Molecules In Motion	Dr. Chris Winstead, Moderator	214
	<p>"Soft Wearable Electronics" <u>Dr. Xiaodan Gu</u>, Assistant Professor <i>School of Polymer Science and Engineering</i></p> <p>"How Shipwrecks Shape the Microbiome of the Deep-Sea, and Why it Matters." <u>Dr. Leila Hamdan</u>, Associate Professor <i>School of Ocean Science & Engineering</i></p> <p>"Pushing the Boundary of RNAi Technologies for Biotechnology and Medicine" <u>Dr. Alex Flynt</u>, Associate Professor <i>School of Biological, Environmental & Earth Sciences</i></p>		
8:45 am	Community Matters	Dr. Karen Coats, Moderator	216
	<p>"Who are the people in your neighborhood? Developing Community-Researcher Partnerships to Inform and Prioritize Community Needs in the Fight against Health Disparities" <u>Dr. Holly Huye</u>, Associate Professor <i>School of Kinesiology and Nutrition</i></p> <p>"Frontiers and Dynamics in Large-Scale Ocean Governance" <u>Dr. Leslie Acton</u>, Assistant Professor <i>School of Ocean Science & Engineering</i></p> <p>"Why Police Officers Leave, and Why They Stay: Results of a Police Survey from an 8 City National Sample" <u>Dr. Charles Sheer</u>, Associate Professor <i>School of Criminal Justice, Forensic Science, and Security</i></p>		
9:30 am	Break		
9:45 am	Ocean Resources	Dr. Sabine Heinhorst, Moderator	214
	<p>"Building a Mississippi Offshore Sediment Resources Inventory: Science and Methods" <u>Dr. Davin Wallace</u>, Associate Professor <i>School of Ocean Science & Engineering</i></p>		

"A Novel Bivalve Ageing Algorithm"
Dr. Josh Hill, Associate Professor
School of Criminal Justice, Forensic Science, and Security

"Effects of Hypoxia on Fish and Fisheries in the Gulf of Mexico"
Dr. Kim de Mutsert, Assistant Professor
School of Ocean Science & Engineering

9:45 am **Expanding Our Reach** Dr. Will Evans, Moderator 216

"Hackability Camp"
Dr. Anna Wan, Assistant Professor
School of Mathematics & Natural Sciences

"NExUS: Reimagining Science Teacher Education"
Dr. Maria Wallace, Assistant Professor
Center for Science & Mathematics Education

"Rural Instrumental Music Education: A Pilot Case Study"
Dr. Melody Causby, Assistant Professor
School of Music

10:30 am **Break**

10:45 am **Mind & Body** Dr. Trent Gould, Moderator 214

"Reducing Ventilator Associated Pneumonia: A Novel Oral Suction Device"
Dr. Nina McLain, Associate Professor
School of Leadership and Advanced Nursing Practice

"Sleep Disturbance as a Potential Determinant of Social Cognition & Behavior in Schizophrenia-Spectrum Disorders"
Dr. Kelsey Bonfils, Assistant Professor
School of Psychology

"Using Research to Improve the Culture of Safety Within Sports"
Dr. Melissa Kossman, Assistant Professor
School of Health Professions

10:45 am **On the Horizon** Dr. Kelly Lucas, Moderator 216

"How Bystander Brands Can Win the Free Agent Game Following Brand Activism"
Dr. Katharine Howie, Assistant Professor
School of Marketing

"When your Partner Cheats: Financial Infidelity in Committed Couples"
Dr. Hans Stadthagen-Gonzalez, Associate Professor
School of Psychology

"The Forks of the Road Slave Market"
Dr. Max Grivno, Associate Professor
School of Humanities

11:45 am	Lunch – <i>For Invited Guests Only</i> “Research in the Humanities: One Scholar’s Story” <u>Dr. Jameela Lares</u> <i>2020 Lifetime Achievement Innovation Award Winner</i> Professor of English Charles W. Moorman Distinguished Professor “Trace Elements Dissolved in Natural Waters: How the Small Picture Matters for the Big Picture.” <u>Dr. Alan Shiller</u> <i>2021 Lifetime Achievement Innovation Award Winner</i> Professor of Marine Science Bennett Distinguished Professor in the Sciences	Thad Cochran Center Ballrooms I & II
1:00 pm	Poster Session	Thad Cochran Center Ballrooms I & II
Poster #		
101	“COVID-19 during Pregnancy and its Impact on the Developing Auditory System”	Dr. Sangamanatha Ankmnal Veeranna Assistant Professor <i>Speech and Hearing Sciences</i>
102	“The Development of Intensive Rearing of Spotted Seatrout (<i>Cynoscion nebulosus</i>) in Recirculating Aquaculture Systems and its Status as a Technologically Feasible Species for US Marine Aquaculture”	Angelos Apeitos Hatchery Manager <i>Ocean Science and Engineering</i>
103	“School Culture: Reality, Perceptions, or Illusion”	Dr. Stephen Benigno Visiting Assistant Professor <i>Education</i> Dr. Zita Tiamuh Visiting Assistant Professor <i>Education</i>
104	“The Library as a Partner for Transfer Student Success”	Hali Black Assistant Professor <i>University Libraries</i>
105	“Citation Ethics: An Exploratory Study of Norms and Behaviors”	Dr. Samuel Bruton Professor <i>Humanities</i>
106	“Discipline Specific Information Literacy: Lessons Learned”	Dr. Laura Clark Hunt Assistant Professor <i>Library and Information Science</i>
107	“Impact of Student-Designed Cognitive Aids and Visual Tools on Didactic and Clinical Performance”	Dr. Mary Collins Assistant Professor <i>Leadership and Advanced Practice, Nurse Anesthesia</i>
108	“A Case Study for Cross-Curricular Instructions in Hospitality and Tourism and Sport Management Education”	Dr. Chris Croft Assistant Professor <i>Sport Management</i> Dr. Wei Wang Associate Professor <i>Hospitality & Tourism</i>
109	“Microbial Community, Structure, and Function in a Recirculating Eastern Oyster, <i>Crassostrea virginica</i> , Hatchery Production System using Artificial Sea Water”	Megan Gima Hatchery Manager <i>Ocean Science and Engineering</i>

		Benjamin Doshier Biologist III <i>Ocean Science and Engineering</i>
110	"Permission to Witness: Expanding the Learning Classroom Community through STEM on Demand"	Dr. Rachel Gisewhite Assistant Professor <i>Center for Science and Mathematics Education</i>
111	"An Uncommonly Low Sodium"	Dr. Cindy Handley Associate Teaching Professor <i>Biological, Environmental, and Earth Sciences</i>
112	"Young Adults Against COVID-19 Focus Groups"	Dr. Traci Hayes Assistant Professor <i>Health Professions</i>
113	"The Power of Public Memory: Lynching Memorials and the Deconstruction and Reconstruction of Public Memory in Duluth Minnesota and and Chattanooga, Tennessee"	Dr. Jeff Hirschy Assistant Professor <i>Library and Information Science</i>
114	"The Healthcare Chapel: Improving Wellbeing"	Alvis Lawson Assistant Teaching Professor <i>Interior Design</i>
115	"Human Interest Amid Tragedy: Content Analysis of Disaster News Photographs from Digital Archives"	Dr. Richard Lewis Visiting Associate Professor <i>Library and Information Science</i>
116	"Accumulation of Phytoplankton Biomass Regulated by the Balance Between Division and Loss"	Dr. Kristina Mojica Assistant Professor <i>Ocean Science and Engineering</i>
117	"Multifunctional Carbon Nanofibers from Upcycled Mask Waste"	Dr. Zhe Qiang Assistant Professor <i>Polymer Science and Engineering</i>
118	"LibertyNet: An Anti Internet Censorship Information Sharing Platform Based on Blockchain Technology"	Dr. Nick Rahimi Assistant Professor <i>Computing Sciences & Computer Engineering</i>
119	"An Enhanced Ramie Crop and Methods of Processing and Using Thereof"	Dr. Partha Sengupta Assistant Teaching Professor <i>Computing Sciences & Computer Engineering</i>
120	"Using Graphic Novels to Strengthen Engagement in Marine and Atmospheric Sciences and the Changing Environment"	Joyce Shaw Professor <i>University Libraries</i>
121	"Public Relations as Social Enterprise: Competencies and Capabilities"	Dr. Jae-Hwa Shin Professor <i>Communication</i>
122	"Strengthening Engagement with Graphic Novels: Oceans, Rivers, Rising Sea Levels, Climate Change and the Water World"	Jamie Stanfield Assistant Professor <i>University Libraries</i>
123	"Supporting Online Courses: The Impact of COVID-19 on Academic Librarians and Online Education"	Dr. Jennifer Steele Assistant Professor <i>Library and Information Science</i>
124	"Coastal CUBENet"	Dr. Vishwamithra Sunkara Data Scientist <i>Ocean Science and Engineering</i>

125	"Influence of Winds and Diversions on Coastal Mississippi's Marine Ecosystem"	Dr. Jerry Wiggert Professor <i>Ocean Science and Engineering</i>
126	"An Army of Darkness: Quantifying Global Mosquito-Pathogen Interactions"	Dr. Donald Yee Professor <i>Biological, Environmental, and Earth Sciences</i>
2:15 pm	Poster Awards	Dr. Gordon Cannon