



Big Data	Energy & Sustainability	Ecology	Disaster Management	Resiliency/ Restoration & Conservation	Climate Change	Genomics & Evolution	Coastal Habitats	Species Interaction	Policy	Mathematics	Humanities
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TAMUG Researchers

Researcher	Research Themes											Areas of Research/ Scholarly Expertise	
DR. DINI ADYASARI, dini.adyasari@tamug.edu , Department of Maritime Business Administration			•				•						Coastal hydrogeology, groundwater-surface water interaction, groundwater tracer, nutrient biogeochemistry, microbial ecology
DR. MAWULI AFENYO, mawulkplmi@tamug.edu , Department of Maritime Business Administration	•	•		•		•						•	Blue Economy; Machine Learning; Big Data; Safety & Risk Management; Supply Chain Management; Energy & Sustainability; Disaster Management and Resiliency
DR. JAIME R. ALVARADO-BREMER, jalmab@tamug.edu , Department of Marine Biology	•		•		•		•	•	•				Molecular ecology and conservation biology; molecular systematics and evolution; Population genomics
DR. RAINER AMON, amonr@tamug.edu , Department of Marine and Coastal Environmental Science			•		•	•							Organic biochemistry, microbial ecology, arctic oceanography
DR. ANNA R. ARMITAGE, armitage@tamug.edu , Department of Marine Biology			•		•	•		•					Wetland community ecology, Habitat restoration, Food web ecology
DR. SAM BRODY, brodys@tamug.edu , Department of Marine and Coastal Environmental Science				•	•	•		•				•	Coastal environmental planning, spatial analysis, flood mitigation, climate change policy, and natural hazards mitigation
DR. PHILIP K. BROWN, brownp@tamug.edu , Division of Foundational Sciences												•	Complex Analysis, Elementary Number Theory, Philosophy
DR. LIVINGSTONE CAESAR, lcaesar@tamug.edu , Department of Maritime Business Administration	•	•				•						•	Maritime And Supply Chain Security Issues; Big Data Modelling For Maritime Incidents; Cyber Resilience and Capability In Maritime Domains; And Green Supply Chains; And The Human Factor In Transport Domains
DR. RANDALL DAVIS, davisr@tamug.edu , Department Marine Biology			•		•	•			•				Marine mammal biology, ecology, and conservation
DR. MERI DAVLASHERIDZE, davlashm@tamug.edu , Department of Marine and Coastal Environmental Science				•	•			•					Economic Impacts of natural disasters
DR. TIMOTHY M DELLAPENNA, dellapet@tamug.edu , Department of Marine and Coastal Environmental Science					•			•					Coastal marine sedimentology, applications of high resolution marine geographics
DR. JOANN DIGEORGIO-LUTZ, dlgeorgj@tamug.edu , Department of Liberal Studies												•	Gender and Genocide, Human Rights at Sea, Southeast Asian Foreign Policy
DR. DARREN K DOMSKY, dmskyd@tamug.edu , Department of Liberal Studies												•	Environmental Ethics
DR. JIABI DU, jdu@tamug.edu , Department of Marine and Coastal Environmental Science					•	•							Coastal Physical Oceanography; Cross-scale Numerical Modeling; Extreme Weather Events; Sea Level Rise; Climate Change; Coastal Resiliency
DR. THOMAS BLAKE EARLE, tbe@tamug.edu , Department of Liberal Studies		•						•	•	•		•	U.S. maritime history, environmental history, history of commercial fishing, history of the U.S. Navy
DR. KATHRYN R. FALVO, kathryn.falvo@tamug.edu , Department of Liberal Studies												•	American History, Gender History, Food History, Environmental History, and Medical History
DR. NIMA FATHI, nfathi@tamug.edu , Department of Marine Engineering Technology		•											Heat Exchanger design, computational and experimental analysis of hybrid energy systems
DR. DAVID HALA, halad@tamug.edu , Department of Marine Biology	•							•					Environmental toxicology, metabolic and endocrine biomarkers, computational biology
DR. MAZEN HAMMADY BRHO, brho.m@tamug.edu , Department of Maritime Business Administration		•											Global economy
DR. WESLEY E HIGHFIELD, highflew@tamug.edu , Department of Marine and Coastal Environmental Science								•				•	Spatial analysis, statistics, natural hazards, environmental planning and policy
DR. CASSIA B. GALVAO, galvaoc@tamug.edu , Department of Maritime Business Administration	•	•		•	•								Port Development; Port-city Planning CSR And ESG In Maritime; Content Analysis; Governance And Policy Of Maritime Shipping; Maritime Education; Blue Economy
DR. AMER JAZAIRY, jazairy.a@tamug.edu , Department of Maritime Business Administration		•											Cybersecurity In Supply Chains, Buyer-supplier Relations, Sustainable Logistics, Innovations for Last-mile Deliveries, Extended Reality In Supply Chains, Circular Economy



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TAMUG Researchers

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DR. LAURA JURGENS, jurgensl@tamug.edu , Department of Marine Biology			•		•	•		•	•				Climate Change, Resilience Ecology, Coastal Habitats, Species Interactions
DR. KARL KAISER, kaiserk@tamug.edu , Department of Marine and Coastal Environmental Science						•							Marine biochemistry, climate, arctic science
DR. CONG X. KANG, kangc@tamug.edu , Division of Foundational Sciences, Mathematics												•	Extend Further To The Intersection Of Algebra and Geometry, As Well As Undergraduate Math
DR. IRFAN KHAN, irfankhan@tamug.edu , Department of Marine Engineering Technology	•	•											Clean Energy, Renewable Energy Resources, Electric Vehicles, Shipboard Power Systems, Marine Cybersecurity, Machine learning, Big Data
DR. SHEILA KITCHEN, kitchens@tamug.edu , Department of Marine Biology	•				•	•		•					Coral Reef Biology, Symbiosis, Bioinformatics, Population and Comparative Genomics
DR. DOUGLAS J KLEIN, kleind@tamug.edu , Division of Foundational Sciences												•	Theoretical chemistry
DR. JESSICA LABONTE, labontej@tamug.edu , Department of Marine Biology	•		•				•	•	•				Microbial and Viral Ecology, Evolution, and Interactions
DR. JENNA A. LAMPHERE, jlamphere@tamug.edu , Department of Liberal Studies		•				•						•	Urban sustainability transitions; multilevel governance; socio-environmental justice.
DR. HUI LIU, liuh@tamug.edu , Department of Marine Biology	•				•							•	Zooplankton population Dynamics, quantitative fisheries research
DR. LEON A LUXEMBURG, luxembul@tamug.edu , Division of Foundational Sciences												•	Mathematics
DR. SAMUEL E MARK, marks@tamug.edu , Department of Liberal Studies												•	Nautical Archaeology
DR. CHRISTOPHER MARSHALL, marshalc@tamug.edu , Department of Liberal Studies			•		•		•						Functional and ecological morphology biomechanics, conservation
DR. WILLIAM J MERRELL JR., merrellw@tamug.edu , Department of Marine and Coastal Environmental Science				•	•	•							Coastal environmental planning, spatial analysis, flood mitigation, climate change policy, and natural hazards mitigation
DR. MARIA PIA MIGLIETTA, miglietm@tamug.edu , Department of Marine Biology			•				•		•				Ecology, evolution, and genomics of Cnidaria
DR. NIKOLAOS MYKONIATIS, mykonlan@tamug.edu , Department of Maritime Business Administration								•	•	•			Marine Resources and Management, Coastal Resources, Bio Economic Modeling
DR. ELIZABETH A NYMAN, enyman@tamug.edu , Department of Liberal Studies												•	International law, marine politics
DR. REBECCA DIANE OTTMAN, bottman@tamug.edu , Department of Liberal Studies												•	Rhetoric and writing, equitable, unlitig explorations
DR. KYEONG PARK, parkk@tamug.edu , Department of Marine and Coastal Environmental Science						•		•					Physical Transport In Estuarine And Coastal Water, Water Quality And Living Resources In Estuarine And Coastal Water, Impact Of Extreme Weather Events
DR. LENE H PETERSEN, petersel@tamug.edu , Department of Marine Biology					•			•					Fish cardiovascular physiology and reproduction, conservation
DR. ANTONIETTA QUIGG, quigga@tamug.edu , Department of Marine Biology	•		•			•			•				Blue Economy, emergent pollutants, bioindicators, aquatic ecology
DR. DAVID RETCHLESS, retchled@tamug.edu , Department of Marine and Coastal Environmental Science	•	•		•									Cartography & GIS, Climate Change, Coastal Hazard, Risk Communication
DR. DANIEL ROELKE, droelke@tamug.edu , Department of Marine Biology			•			•		•	•				Aquatic Ecology, Theoretical Ecology, Harmful Algae Blooms, Plankton, Nutrients, Inflows, Disturbance, Management



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DR. JAY ROOKER, rookerj@tamug.edu Department of Marine Biology			•		•		•					Ecology of estuarine, coastal, and pelagic fishes; animal movements and migrations, fisheries oceanography
DR. ASHLEY D ROSS, ashleydross@tamug.edu , Department of Marine and Coastal Environmental Science				•	•					•		Disaster resilience policy, adaptive management, climate change perceptions
DR. JAMES G RYAN, ryanj@tamug.edu , Department of Liberal Studies											•	Modern US History
DR. PETER H SANTSCHI, santschi@tamug.edu , Department of Marine and Coastal Environmental Science							•					Chemical oceanography, limnology, organic matter chemistry
DR. ANJA SCHULZE, schulzea@tamug.edu , Department of Marine Biology			•		•	•	•	•				Ecology, Evolution and Development Of Marine Invertebrates
DR. JOHN R. SCHWARZ, schwarzj@tamug.edu Department of Marine Biology			•				•					Microbial ecology, Human bacterial pathogens In Shellfish, Seafood Safety Laboratory
DR. DANIEL S TRABER, traberd@tamug.edu , Department of Liberal Studies, English											•	American Culture
DR. PETER J VAN HENGSTUM, vanhenp@tamug.edu , Department of Marine and Coastal Environmental Science	•				•		•					Global coastal system, response to previous climate, sea level and antropogenic change
DR. ALOK K. VERMA, averma@tamug.edu , Department Marine Engineering Technology		•										Marine Decarbonization, Marine Robotics and Autonomous Vessels, Advanced Manufacturing Processes, Lean Manufacturing and Six Sigma.
DR. PING WANG, wangp@tamug.edu , Department of Maritime Business Administration		•										Maritime business and logistics
DR. DAVID WELLS, wellsr@tamug.edu Department of Marine Biology			•		•	•		•				Biology and ecology of bony fishes, sharks, and rays. Research focus on life history, habitat use, movement, and feeding ecology of marine species throughout aquatic ecosystems.
DR. EUNJEONG YI, yle@tamug.edu , Division of Foundational Sciences											•	Mathematics