

Spring 2023 Graduating Class

LSU COLLEGE OF THE COAST & ENVIRONMENT PLATFORM PARTICIPANTS

Christopher F. D'Elia, Professor & Dean

Sibel Bargu Ates, Professor & Associate Dean, Academics

Kevin Armbrust, Professor & Chair, Department of Environmental Services

Kam-biu Liu, Professor & Chair, Department of Oceanography & Coastal Sciences

Vince Wilson, Professor & Director, CC&E undergraduate programs

Bob Rohli, Professor & Master of Ceremony

BACHELOR OF SCIENCE IN COASTAL ENVIRONMENTAL SCIENCE

Mikayla A. Bell

Elizabeth Y. Gleneck

Emily Kay Major

Caleb Cavness

Kameelah Z. Hollis

Aine O'Nuanain*

Eva Percy Coman*

Olivia Hurley

Hannah Orff*

Reagan Comeaux

Clifford A. Johnson

Matthew Parker*

Alise Ellison

Zachary Gouge Laird

Isabella Purpura

Madeline Paige Fryer*

Sophia Lingo

Kayla Tysinger

* indicates honors distinction Summa Cum Laude

MASTER OF SCIENCE

Taylor Michelle Alexander, MS & Graduate Certificate in Environmental Modeling and Analysis

Title of Papers (non-thesis): Does Louisiana Have a History of Environmental Injustice?

Major Professor: Dr. Rebeca de Jesús Crespo

Shelly Frances Cole, MS & Graduate Certificate in Environmental and Energy Policy

Title of Papers (non-thesis): Has the Greater Yellowstone Ecosystem Benefited from the Reintroduction of Wolves?

Major Professor: Dr. Rebeca de Jesús Crespo

Ashley Dauntain, MS & Graduate Certificate in Environmental and Energy Policy

Title of Papers (non-thesis): The Effectiveness of Systematic Conservation Methods that Aim to Mitigate Human Encroachment Impacts on Mountain Gorilla Biodiversity

Major Professor: Dr. Rebeca de Jesús Crespo

Cole Donaldson, MS, Environmental Sciences

Title of Papers (non-thesis): A ubiquitous Contaminant: Microplastic

Major Professor: Dr. Brian Snyder

Weiyuan Dong, MS, Oceanography & Coastal Sciences

Thesis: A Lagrangian Particle Model with Nesting Capability and its Application to the Modeling of Plastics in the Gulf of Mexico

Major Professor: Dr. Jun-Hong Liang

Courtney Nicole Hammond, MS, Oceanography & Coastal Sciences

Thesis: Controls of Physical Drivers on the Formation and Toxicity of Harmful Cyanobacteria Blooms (cyanoHABS)

Major Professor: Dr. Sibel Bargu Ates

MASTER OF SCIENCE (CONTINUED)

Michael W. McDonell, MS, Oceanography & Coastal Sciences

Thesis: Quantifying Mud Settling Velocity as a Function of Turbulence and Salinity in a Deltaic Estuary

Major Professor: Dr. Giulio Mariotti

Evelyn P McQueen, MS Environmental Sciences

Title of Papers (non-thesis): Microplastics in the Northern Gulf of Mexico

Major Professor: Dr. Rebeca de Jesús Crespo

Bijaylaxmi Sahoo, MS, Oceanography & Coastal Sciences

Thesis: 20-Year Assessment of Total Suspended Sediment (TSS) Variability in Barataria Bay from MODIS

Ocean Color using a Combination of Adaptive Semi-Analytical and Neural Network Algorithms

Major Professor: Dr. Eurico D'Sa

Jacob Salem, MS & Graduate Certificate in Environmental and Energy Policy

Title of Papers (non-thesis): How Does Rapid Population Growth Impact the Safety of the Water Supply?

Major Professor: Dr. Rebeca de Jesús Crespo

Musibau Sumola, MS Environmental Sciences and Certificate in Environmental Modeling & Analysis

Title of Papers (non-thesis): Toxic and Environmental Effects of Benzene and its Compounds: A Systematic Literature Review

Major Professor: Dr. Rebeca de Jesús Crespo

Jacob Hal Williams, MS Environmental Sciences and Certificate in Environmental Health Sciences Certificate

Title of Papers (non-thesis): What are the Unintended Consequences of the Construction of the Wax Lake Outlet?

Major Professor: Dr. Rebeca de Jesús Crespo

DOCTOR OF PHILOSOPHY

Kelli Moran, PhD, Oceanography & Coastal Sciences

Dissertation: "Sediment Transport and Geomorphological Evolution in the Northern Gulf of Mexico"

Major Professor: Dr. Kehui "Kevin" Xu

John Shelton Penton, Jr., PhD, Environmental Sciences

Dissertation: "Accurately Valuing Blue Carbon Sequestration and Storage to Foster Coastal Conservation Via Evidence-Based Policymaking and Model Environmental Services Statute Methodologies"

Major Professor: Dr. Vince Wilson and Dr. Robert Twilley

Ivan Alexis Vargas Lopez, PhD, Oceanography & Coastal Sciences

Dissertation: "A Spatiotemporal Evaluation of Estuarine-Coastal Carbon and Nutrient Interactions and Lateral Fluxes in Deltaic Regions Undergoing Growth and Deterioration Phases in Coastal Louisiana, USA"

Major Professor: Dr. Victor Rivera-Monroy

George Washburn, PhD, Environmental Sciences

Dissertation: "Bald Cypress (*Taxodium distichum*) and Their Growth and Development Under Abiotic Stressors Related to Restoration Efforts"

Major Professor: Dr. Linda Hooper-Bùi

Yusik Won, PhD, Environmental Sciences

Dissertation: "Removal of Radionuclides Using Capacitive Deionization"

Major Professor: Dr. Yong-Ha Kim