



United States Department of Agriculture National Institute of Food and Agriculture

# **TEXAS A&M UNIVERSITY-KINGSVILLE**

# U.S. Department of Agriculture (USDA)

Research and Extension Experiences for

Undergraduates (REEU) Site

Research and Extension Experience in Energy and the Environment across Agriculture Disciplines (RE2AD)

May 31, 2023 to August 1, 2023



## Team #1 REEU Students

Edgar Villanueva Texas A&M University-Kingsville Industrial Engineering Email: <u>edgar.villanueva@students.tamuk.edu</u> **Project Title: The Impact of COVID-19 Pandemic on Agriculture Product Supply Chain** 



Joaquin Haces-Garcia Texas A&M University-Kingsville Mechanical Engineering Email: joaquin.haces-garcia@students.tamuk.edu Project Title: The Impact of COVID-19 Pandemic on Agriculture Product Supply Chain



#### **Faculty Advisor**

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#### **Graduate Student Mentor**

Mariee Cruz Mendoza Ph.D. in Engineering (Sustainable Energy Engineering) Texas A&M University-Kingsville Email: <u>mariee.cruz@students.tamuk.edu</u>



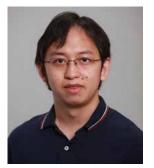
Team #2

#### **REEU Students**

Bodia Borijin University of California - San Diego Structural Engineering Email: <u>bodiaborijin@gmail.com</u> **Project Title: Feasibility Analysis of Developing Medium to Large Scale Wind or Solar Energy Facilities in Farms and Ranches** 



Erin Valentine Texas A&M University-Corpus Christi Electrical Engineering Email: <u>erinvalentine79@gmail.com</u> **Project Title: Feasibility Analysis of Developing Medium to Large Scale Wind or Solar Energy Facilities in Farms and Ranches** 



#### **Faculty Advisor**

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#### **Graduate Student Mentor**

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#### Team #3

#### **REEU Students**

Fabiola Gonzalez Lee College Biology Email: <u>fabgonzalez320@gmail.com</u> **Project Title: Chemical Impregnation of Crop-Derived Activated Carbon for Enhanced Removal of Air Pollutants from Gas Streams** 



Mohammad Arif The City College of New York Chemical Engineering Email: <u>marif003@citymail.cuny.edu</u> **Project Title: Chemical Impregnation of Crop-Derived Activated Carbon for Enhanced Removal of Air Pollutants from Gas Streams** 



#### **Faculty Advisor**

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#### **Graduate Student Mentor**

Kyle Murray Environmental Engineering Texas A&M University-Kingsville Email: <u>kyle.murray@students.tamuk.edu</u>

## Team #4

#### **REEU Students**

Alexia Martinez Universidad de Monterrey Energy Engineering Email: <u>alexiadelourdes@hotmail.com</u> **Project Title: Analysis of Sediments and their Associated Micro-Nano-Plastics from Agricultural Lands and Coastal Watersheds** 



Anna Hill Colgate University Biochemistry Email: <u>aehill@colgate.edu</u> **Project Title: Analysis of Sediments and their Associated Micro-Nano-Plastics from Agricultural Lands and Coastal Watersheds** 



#### **Faculty Advisor**

Dr. Jianhong Ren (co-PI) Professor Environmental Engineering Texas A&M University-Kingsville Email: <u>Adnan.Rajib@tamuk.edu</u> Office: 361-593-3068 (EC 369)



#### **Graduate Student Mentor**

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#### USDA RE2AD REEU Summer 2023 Program Brochure



# Team #5

#### **REEU Students**

DeAndre Malone Truman State University Agriculture Science Email: <u>dm3337@truman.edu</u> **Project Title: Agricultural Management and Natural** 

Resource Conservation: Interface between Natural, Economic, and Social Systems



Zachary Loveland University of Florida Environmental Science Email: <u>zloveland@ufl.edu</u> **Project Title: Agricultural Management and Natural Resource Conservation: Interface between Natural, Economic, and Social Systems** 

### Faculty Advisor



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