

PROJECT INFORMATION
SOIL MICROBIAL INTERACTIONS WITH CROP REPLACEMENT OPTIONS (SOIL MICRO) IN THE VIETNAMESE MEKONG DELTA

Project's title	Soil Microbial Interactions with Crop Replacement Options (Soil MICRO) in the Vietnamese Mekong Delta
Project's partner/collaboration	
Sponsor/Donor	Charles Sturt University, Australia
Total budgeted	75,900 AUD
Project's period/duration	1/1/2023 – 31/7/2024
Principal Investigator (PI)	Assoc. Prof. Dr. Nghia Nguyen Khoi
Co-PI	
Project's member	Dr. Chau Thi Anh Thy Dr. Nguyen Van Sinh Dr. Jessica Rigg
Overall objective	The overall aim of the project is to understand the impacts of upland crops on soil microbiological processes in the presence of salinity intrusion associated with climate change
Specific objectives	<ol style="list-style-type: none"> 1. To quantify the magnitude of change in microbial diversity and resultant soil physiochemical properties incurred from including an upland crop in conjunction with soil management practices in saline affected areas typically dominated by rice production. 2. To identify the impact of these microbial and physiochemical changes on farm productivity and emissions. 3. To identify and potentially isolate a salt tolerant legume inoculum from soil.
Contents	<ol style="list-style-type: none"> 1. Assessment of biological diversity impacts due to crop and soil management 2. Impact assessment of the changes to productivity and emissions as a result of upland crops 3. Identification and assessment of survival of rhizobia for salt tolerant legumes 4. Training workshop for DARD and farmers
Expected outcome	Final report
Contact address	Nguyen Khoi Nghia – Soil Science Department, College of Agriculture, Can Tho University
Some activities/implementation photos	