



Sponsored Project



1. Project name	Integrated Multitrophic Aquaculture (IMTA) as a sustainable farming system for Asia
2. AIT Lead Faculty	Dr. Krishna R. Salin
3. Objective	To develop a new research domain for AARM by developing Integrated Multitrophic aquaculture systems (IMTA) and initiate capacity building programs on the dissemination of IMTA in Asia.
4. Short Descriptions	Effluents from farming systems constitute a significant impediment to the sustainability of aquaculture worldwide. Considerable attention is being paid to suitably modifying or treating the wastewater generated from shrimp culture systems to recycle or reuse effluents with the least environmental impact. Integrated multitrophic aquaculture (IMTA) prototype was built that treats wastewater from a shrimp production system and combines it with a halophytic plant production system for efficient nutrient conversion. This makes the water suitable for recycling in the shrimp production system.
5. Output/Social Impact	A new IMTA demonstration system was developed. Nearly 30 trainees from more than 24 nations participated in an international training session on IMTA technology. This was the first time an IMTA training was held in Thailand.
4. Partners	Resource persons from the University of New Brunswick, Canada, and the Yellow Sea Fisheries Research Institute, China
5. Donors	International delegates
6. Project Duration	December 2017 – December 2018
7. Total grant amount	THB 590,674
8. Please specify SDG s to which this project belongs	Poverty (SDG-1), hunger (SDG-2) and nutrition, health (SDG-3), clean water & sanitation (SDG-6), employment (SDG-8), sustainable communities (SDG-11, sustainable production and consumption (SDG-12), marine and land-based resources (SDG-14 & 15)