This event is funded by the Seventh Framework Programme, European Commission

Thursday 5 November
EU-India PARTNERING EVENT

PROFILE FORM

ORGANISATION DETAILS					
Organisation name					
Street *	Cochin University of Science & Technology,School of Industrial Fisheries				
ZIP *	City * Cochin		Country * India		
Phone * 91-484- 2351029		Fax 91-484-2365952			
Email * kurup424@gmail.com		Web www.cusat.ac.in			
Employees	☐ 1-10	☐ 11-50	☐ 51 - 250	☒ 250 +	
Organisation type	☒University	☐ Research Center	☐ Industry	☐ SME	☐ Other
Department	School of Industrial Fisheries				
Short description of your company/organization	The Cochin University of Science & Technology is functioning with the specific purpose of developing higher education with focus on research in applied science,technology,industry and commerce.The School of industrial Fisheries was established in 1976 with a mandate of generating man power to cater the requirement in various facets of fisheries and purseing need based research in aquaculture,fisheries resources ,fish processing and fisheries management.The Shool developed research partnership with more than 30 countries and involved in colloboratory research programmes with a number of overseas Universities and research organisations. ,				

PARTICIPANT			
Gender	☒ Mr	☐ Ms	Title Prof.
First name	Madhusoodana		

Last name	Kurup
Position	Director

PARTNERSHIP PROPOSAL
EU-India partnering event session participation: ☐ Sustainable production and management of biological resources from land, forest and aquatic environment ☒ Fork to farm: Food (including seafood), health and well being ☐ Life sciences, biotechnology and biochemistry for sustainable ☐ Health
Areas of activity *(Free keywords)* Coastal Aquaculture,Biofloc Technology,larviculture of giant prawn

PROJECT DESCRIPTION	
Title of your research project in one sentence	Improving the N retention in the coastal aquaculture farms and its conversion in to harvestable products
Short description of project	The major sources of N added to the aquaculture farms are from the fertilisers, feed and the N available in water and sediment.It is well known that less than 30% of N added to the aquafarms are retained as harvestable products and the remainig portion is lost and dischaged along the pond effluents.Inorganic nitrogenous products discharged from coastal aquafarms form one of the most important souce of toxic pollution .So developing technologies suitable for the maximum retention of N added to aquafarms is one of the important requirement for improving both economic and environmental sustainability.Development biofloc technology suitable for various farming systems and its evaluation for nutrition,fatty acid profiling,probiotic efficiency,ecological efficincy together with the bioturbation will be useful in addressing the issue in part.
Description of expertise offered	Application of biofloc technology in extensive farming of shrimp and giant prawn,larviculture of Macrobrachium rosenberii, evaluation of biofloc under various pH levels ,etc
Description of requested partner expertise	Nutrient budgeting of aquafarms, waste management in aquaculture ,technological development for amelioration of nitrogenous waste products in aquafarms, pond nutrient dynamics,etc.

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