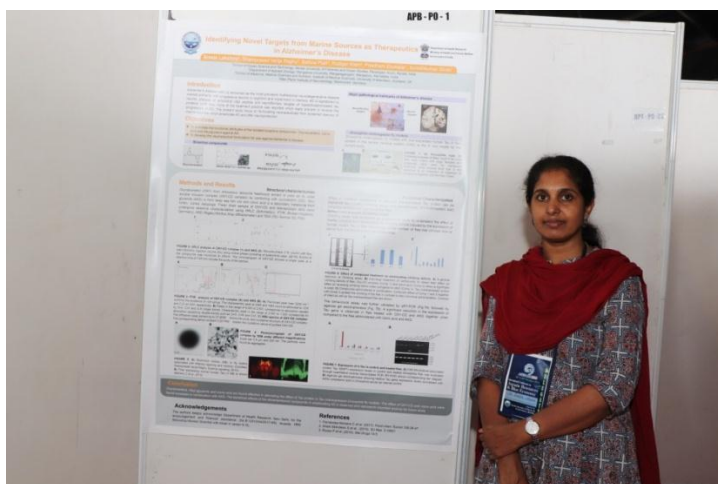


Awards and Achievements of Scholars

Dr.Sreeja Lakshmi Awards

First prize in poster presentation at Maricon-2019 International Conference

Dr.Sreeja Lakshmi, DHR-Research Scientist, School of Ocean Science and Technology, won the First Prize in poster presentation at the MARICON-2019, International Conference held at Cochin University of Science and Technology, Kochi, Kerala. Dr.Sreeja presented her work on “*Biomedical Prospects of Marine Derived Compounds As Therapeutics In Alzheimers Disease*”.



Dr. Sreeja Lakshmi has worked in Institute of Tropical Medicine, University of Tuebingen, as Postdoctoral Research Fellow from January 2016- February 2017 on the project titled, “Identifying genetic factors determining the heritability of twins in Kodinhi, an Indian population”. Dr. Lakshmi was involved in study design, field- sampling procedures, networking with the community, and laboratory procedures related to the study.



Dr. T.P. Velavan, Associate Professor and Group Leader Molecular genetics of Infectious Diseases, Institute of Tropical Medicine, University of Tuebingen.



Prof. Peter Gottfried Kreamsner, Director, Institute of Tropical Medicine, University of Tuebingen

Dr. Sreeja Lakshmi was awarded with a MASTS (Marine Alliance Science Technology Scotland) **International Award for Post Doctoral and Early Career Researcher Exchange (PECRE)**, Scotland and worked in School of Biological Sciences, University of Aberdeen, Scotland under the guidance of Prof. Chris Secombes, Regius Chair of Natural History, International Centre for Aquaculture Research & Development, University of Aberdeen, from 10-05-2019 to 18.06.2019. As a part of my current project, I had an opportunity to initiate a collaborative work with Prof. Bettina Platt, Chair in Transitional Neuroscience, School of Medicine, University of Aberdeen. A part of my current project (funded by Department of Health Research) will be carried out in Prof. Platt lab for the immunohistochemistry analysis with the marine bioactive compounds and specific antibodies against the target antigen. The analysis will bring out the effect of the compounds in reducing the concentration of Tau in brain tissues. In parallel, I was actively involved in scientific approaches that Prof. Chris lab put forward for the identification of pathogenic agents as well as diagnostic strategies in diseased fishes, like amoebic gill disease in Atlantic salmon which is a major current problem faced by Atlantic salmon farming in Scotland. I could understand the problems faced in Scottish Aquaculture and treatments applicable to overcome the same. I was also involved in analysis of individual gene expression ranging from primer designing, RNA isolation and cDNA synthesis, through to qPCR measurement. As a part of the project I visited Centre for Genome-Enabled Biology and Medicine (CGEBM) and got introduced to next generation sequencing (NGS). Apart from the method trainings acquired, it was also very informative to understand the regulations related to animal work research in the UK and essential biosecurity safety requirements needed for pathogen work with aquatic animals. MASTS fellowship period was very productive in performing my project related works as well as to understand the pathogenic infections associated with health issues of farmed fish. Above all, this visit has paved the way to a great opportunity to open up scientific collaborations and future exchange visits between University of Aberdeen and Kerala University of Fisheries and Ocean Studies, Kerala with help from the MASTS scheme of fellowships. I am thankful to MASTS for the PECRE award, Prof. Chris Secombes for being my host for the opportunity to visit Scotland, which helped to initiate healthy collaborations with the marine sector here. I express my sincere gratitude to my mentor Dr. S. Sureshkumar, Director, School of Ocean Science and Technology (SOST), KUFOS, Kochi, for his encouragements and timely support. I sincerely thank KUFOS for support towards research achievements.



Zooloogy Building, University of Aberdeen



With Prof. Chris Secombes



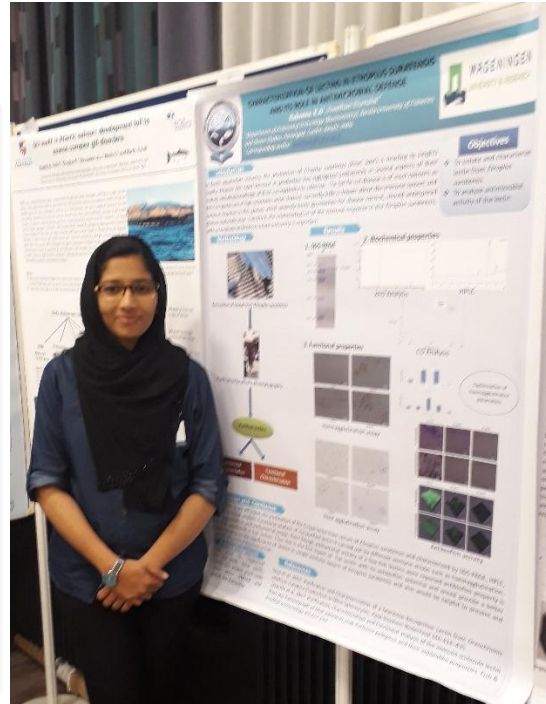
With Prof. Bettina Platt

Rubeena- Awards

1. Secured **International Veterinary and Vaccinology Network fellowship** for attending IVVN Annual Conference to be held at Hotel Melia, Vietnam during 12th to 15th Oct, 2020.
2. Secured **Best Poster Presentation Award** for a **poster** on Enhancement of antimicrobial activity of lectin conjugated with copper nanoparticles against aquatic pathogens at an international conference on Aquatic Resources and Blue Economy (AQUABE 2019) held at hotel Le Meridien, Kochi, during 28th to 30th November, 2019.



3. Secured **Best Oral Presentation Award** for a **paper** on ‘**Synthesis and Characterization of Lectin coated Platinum nanoparticles for application in Aquaculture**’ at ‘3rd International Congress on Fisheries and Aquatic Research’, organised by Centre Karadeniz Technical University, Munzur University, Isparta University of Applied Sciences and Anatolia Science Academy in Istanbul, Turkey, during 28th to 30th August, 2019.
4. Secured **International Veterinary and Vaccinology Network fellowship** for attending 19th Fish Immunology workshop held at Wageningen University, The Netherlands during 30th April to 3rd May, 2018.



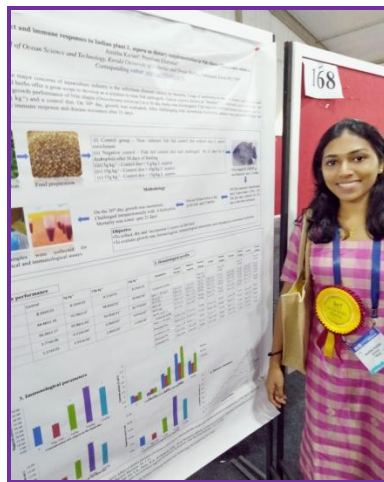
5. Secured a Certificate from Dr. Velavan, University of Tuebingen, Germany on completing **3 month internship** program associated with the Project on Twinning during October – December 2016.



6. Secured a **partial scholarship and travel award** to attend NGBT conference 2016, organized by Scigenom Research Foundation (SGRF) from 3rd to 5th Oct, 2016.

Amitha Awards

- **Amitha Kurian** and Preetham Elumalai. “Comparative study on the effects of biological and chemical synthesized ZnO nanoparticle in Nile tilapia (*Oreochromis niloticus*)” and won second position at the Biennial National conference ‘Nano India 2019’ supported by Department of Science and Technology, held at Mahatma Gandhi University, Kottayam, Kerala, India during 26th& 27th April, 2019.
- **Amitha Kurian** and Preetham Elumalai. “Nutritional impact and immune responses to Indian plant *L. aspera* as dietary supplementation in Nile tilapia (*Oreochromis niloticus*) at the NGBT International conference, held at Mumbai during September 30- October 2nd, 2019 supported by **NGBT YUVA** Scholarship award to participate.



- **Amitha Kurian** and Preetham Elumalai won the best poster award for “Effects of chemical and green synthesized (*Leucas aspera* and Oxy-cyclodextrin complex) zinc oxide nanoparticles on Nile tilapia” at the 3rd International congress on fisheries and aquatic research” organized by Karadeniz Technical University, Munzur University, Isparta University of Applied Sciences and Anatolia Science Academy in Istanbul, Turkey on 28-30 August, 2019.
- Received training in immunological assays at Chiang Mai University, Thailand under the guidance of Dr. Hien Van Doan, Dept. of Animal and Aquatic Sciences, Faculty of Agriculture, Chiang Mai University from June till September, 2018.



- **International conference** partial meeting scholarship and travel award for the NGBT 2016 conference organized by SciGenome Research Foundation (SGRF).