

**GOA UNIVERSITY**  
Taleigao Plateau

**Press Note**

The School of Life Sciences and Environment, Goa is offering two Junior Research Fellow (JRF) positions to work with Professor R. Roy (Zoology Department) and Prof. Savita Kerkar (Biotechnology Department) on a project focussed on the “Development of alternative sustainable fish feeds to promote human health using novel non conventional indigenous ingredients (SNIPH)”. This is a global network project involving three Countries, eight Institutes and fourteen Investigators under the global leadership of Professor D. R. Tocher, Institute of Aquaculture, Stirling University, UK. This is a Global Research Partnership Newton Fund Aquaculture Project funded by Biotechnology and Biological Sciences Research Council (BSRC) UK and co-funded by the Department for International Development (DfID), UK and the Department of Biotechnology (DBT) India.

The project aims to improve omega-3 long-chain polyunsaturated fatty acid (LC-PUFA), eicosapentaenoate (EPA) and docosahexaenoate (DHA), contents of farmed carp and tilapia in India and Africa for the benefit of poor local populations consuming the fish. The Omega-3 LC-PUFA are essential dietary nutrients with beneficial effects in several pathological conditions and many national/international bodies recommend daily intakes of up to 500mg for optimum health. However, availability of omega-3 LC-PUFA in the food supply is low and often below minimum recommended intake in countries with low economic status. Therefore, one potential option for increasing the amount of omega-3 LC-PUFA available, particularly to poor populations, is to exploit the endogenous ability of farmed freshwater fish to produce EPA and DHA from ALA. In this context, the project aims to apply and expand knowledge of nutrient and fatty acid compositions of sustainable, local, indigenous materials including macrophytes, microbes and macroalgae to assess their availability, feasibility and potential as feed ingredients in terms of nutritional quality, supply, and socioeconomic viability. Selected novel ingredients will be tested in carp and tilapia feeding studies for ability to support growth and health of fish and to enhance nutritional quality through increased omega-3 LC-PUFA content.

Fully dedicated, trustworthy, hard working student with good IT and computing skill and with 1<sup>st</sup> Class M.Sc. Zoology / Biotechnology (with microbiology / zoology background) / Microbiology / Master of Fisheries Science of any recognized University. NET /SET cleared candidate will be getting preferences. Even the student appeared the final examination in April- May 2016 may also apply. The selected candidates are entitled to receive the fellowship @ 25,000/- pm and HRA. The candidate can send their resume to Professor Roy ([rroy@unigoa.ac.in](mailto:rroy@unigoa.ac.in)) before 5<sup>th</sup> May, 2016 and directly come to walk in interview on **6<sup>th</sup> May, 2016 at 11:00 hrs in the Department of Zoology,** Goa University, Goa.

Sd/-  
Professor Y V Reddy  
Registrar  
Goa University