



**ST. XAVIER'S COLLEGE (AUTONOMOUS)**  
**PALAYAMKOTTAI - 627 002**  
(Recognized as "College with Potential for Excellence" by UGC &  
Accredited by NAAC at A++ Grade with a CGPA of 3.66 out of 4)



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**ANNUAL REPORT 2022-2023**

**Centre for Aquaculture Research and Extension (1996)**

**In charge:** Dr. J. Ronald & Dr. P. Raja

CARE works in diverse research areas of aquaculture, such as aquatic biodiversity, Aquatic toxicology, Fish nutrition and Feed formulation technology, Aquatic biotechnology, Fish histology, recent trends in probiotics like fish gut probiotics and the discovery of drugs using bacterial secondary metabolites (compounds). Currently, studies are being carried out for the treatment and management of fish diseases and enhancing growth rates in both large-scale and small-scale aqua farms. Additional importance is given to developing the culture and breeding of ornamental fishes and edible freshwater fishes. Dr. J. Ronald has presented a keynote address on Age of Exploration-Strategies of Science, at Sarah Tucker College, Tirunelveli. Dr. P. Raja has delivered a special lecture on 'Edible and Ornamental fish culture' in Tamilnadu Millet Conclave 2023 organized by the Centre for Entrepreneurship Development in Francis Xavier Engineering College, Tirunelveli. Three students have registered their Ph.D. and S. Muthukrishnan, a research scholar, has submitted his thesis. Research scholars of Care have presented 7 research articles at national and international conferences organized by various Institutions; R. Ramkumar has participated in five international conferences and successfully presented his research. P. Balagangatharan has presented two oral and one poster; M. Karthick has presented a paper at a national conference. R. Sarathkumar has presented a research article at the national conference and S. Renuka has participated in an International Conference on Recent Trends in Aquaculture" Totally, 6 research articles are published in UGC approved and Scopus indexed journals.