



Sri Venkateswara University, Tirupati



DEPARTMENT OF FISHERY SCIENCE & AQUACULTURE

VISION

- Provide 100% Job opportunity to our students
- To make the department a well-established and reputed center for Aquaculture related studies
- To promote knowledge base and make students self-reliant and useful to the society.
- Faculty involved in decision making – collective leadership. “Wisdom lies in the right perspective”.

MISSION:

“To train students in Principles and Practices of Aquaculture relevant to regional and National food production programs and Provide Employment opportunities to all the outgoing students”.

ABOUT THE DEPARTMENT

The Department of Fishery Science and Aquaculture was established in the year 1997 as an offshoot of Department of Zoology with Prof. D. C. Reddy as the Founder Professor, Head and Chairman (BOS) of the Department. Initially the department offered one year PG diploma Course in Aquaculture, but, subsequently the department started offering two year M.Sc., course in Aquaculture from the Academic Year 1998. Although Prof. Reddy with his untiring efforts and help from the Colleagues of other sister departments successfully offered M. Sc. course in Aquaculture. Prof. Reddy has developed good research facilities to carry research in the Department to offer M.Phil. and Ph.D programmes in Full-Time and Part-time. The department has excellent facilities for carrying out research in the fields of Aquaculture Biochemistry, Aquaculture Nutrition, Nanotechnology, Immuno-Biology of Fish and Prawns, Probiotics in Aquaculture and Bioenergetics of fish. The placement record of the department is stupendous with all the students getting jobs in Aqua hatcheries/ Aqua farms/ Aqua feed companies/ Aqua laboratories throughout India especially in Andhra Pradesh and in Tamil Nadu. After the superannuation of Prof. D.C Reddy and Dr. S. Janardana Reddy, another Staff Member Dr. P. Naga Jyothi shoulders the responsibility of the department and has been, maintaining the legacy of the department with her sincere efforts towards 100% placements each year. Dr. P. Naga Jyothi with her dedicated mind aims to make the department ONE OF THE BEST DEPARTMENT in the campus. The University can proudly say that the Department of Fishery Science and Aquaculture is the only department in S. V. University Campus which has been providing 100% placements to the outgoing M. Sc., Aquaculture students. Department of Fishery Science and Aquaculture is having MOU with one of the best Multi National Company, (CPF India Pvt Limited) Chennai

The Department is also adopting the course syllabi to meet the present needs of the industry and to be in tune with National Education Policy (NEP – 2020) which is being introduced in the University from the coming academic year. The Initial pay of the students employed would be somewhere around Rs: 25,000/- to 35,000/- and with experience it multiplies several times. Till date more than Twenty five batches of aquaculture students have passed out of the department and are well placed in different parts of the world. The rapid growth of prawn and fish culture and exports, the demand for qualified personnel is on the rise.

HEAD & BOS (CHAIRPERSON) OF THE DEPARTMENT :

Dr. P. NAGA JYOTHI



Dr P. NAGA JYOTHI Working as Assistant professor, I/C Head and Chairperson (BOS), Department of Fishery science and Aquaculture, College of sciences, Sri Venkateswara University, Tirupati. Dr P. Naga Jyothi joined as Assistant professor in the year 2007. She obtained her M.Sc & Ph.D Degree from Sri Padmavathi Mahila Vishva Vidyalam, Tirupati, India in 2006. she has 15 years of teaching and 10 years of research experience. The areas of research are fish physiology, Bio chemistry, Nutrition, probiotics, Toxicology. She presented several papers in various conferences and seminars, attended one orientation programme, one induction programme & one MOOCS Workshop, four Refresher courses and 5 faculty development programmes. She guided one student for M.Phil and two for Ph.D degrees. She has to her credit 37 research articles published in various National and International scientific research journals. She published one International book and 10 Book chapters, She got two awards. she is also working as Deputy warden in Sri Venkateswara university Womens Hostel.

Dr. S. JANARDANA REDDY (RETIRED)



Dr. S. Janardana Reddy joined as Assistant Professor in 2007. He has 28 years of research experience and 22 years teaching (UG & PG) experience. His areas of research are Nanotechnology, Immunotoxicology, Antioxidant metabolism and Immunohaematology of finfish and shellfish. Obtained Ph.D. in 1988. Awarded with ICMR-JRF during Ph.D. work. Worked as Post Doctoral Research Fellow in the UGC scheme in 1988. Awardee of CSIR Research Associateship in 1991 and Pool Scientist in 1994. He joined as CSIR Research Associate in 1997 and worked on the effect of Selenium, Vitamin E and oxidant stress on antioxidant metabolism in mammals. Joined as a Research Associate in the DST project in 1999 and worked on Isolation, purification and characterization of peptide hormones in commercially important crustaceans.

He has expertise in immunological techniques, clinical enzyme analysis and induced breeding techniques of finfish and shellfish. To his credit he Published more than 60 research papers in National and International journals. Attended more than 70 conferences, workshops and seminars. He is the Life Member of a number of scientific bodies such as Indian Association of Aquatic Biologists (IAAB), Indian National Science Association (INSA), Ethological Society of India (ESI), National Environmental Science Association (NESA) etc. Area of research include studying the effects of immunostimulants on heavy metal treated finfish and shellfish for which UGC, New Delhi as sanctioned a major research project (6.42 lakhs) in 2009. He organized a National Seminar on Emerging Trends in Aquaculture: Challenges and Opportunities-2012 during 30-31 August, 2012. He published a book "Frontiers in Aquaculture and Biotechnology" in 2013 and another book "Frontiers in Nanotechnology: Research and Perspectives".

Academic Consultant :



Dr. S. Delhi Bai, working as Academic Consultant since 9 Years. She obtained M.Sc., M.Phil., Ph.D. from Sri Venkateswara University, Tirupati.

STUDENT PLACEMENT

Department of Fishery Science and Aquaculture has been providing 90% placements to the Outgoing M.Sc. Aquaculture students. A considerable number of students of this department are working as Scientist, Faculty in research institutes and Universities in India.

COURSES OFFERED

M.Sc. Aquaculture (NEP)
(2 yrs. 4 sem.)

M.Phil
Full time / Part time

Ph.D.
Full time / Part time

Semester - I	Sl. No.	TITLE OF THE PAPER
	AQC 101	Concepts of Aquatic Ecology
	AQC 102	Systematics And External Anatomy of Cultivable Organisms
	AQC 103 A	Fish Nutrition and Water Quality Management
	AQC 103 B	Environmental Monitoring and Biodeterioration
	AQC 104 A	Coastal Aquaculture
	AQC 104 B	Ornamental Fish Culture
	AQC 105	Identification and Morphology of Cultivable Organisms
	AQC 106	Fish Nutrition
	AQC 107	Human values Professional Ethics - I

Semester - III	Sl. No.	TITLE OF THE PAPER
	AQC 301	Microbiology and Fish Pathology
	AQC 302	Fish Immunology
	AQC 303 A	Cell Biology and Genetics
	AQC 303 B	Bioinformatics In Aquaculture
	AQC 304	Microbiology and Fish Diseases
	AQC 305	Fish Nutrition Technology
	AQC 306 A	Fish Processing Technology
	AQC 306 B	Pollution and Toxicology

Semester - II	Sl. No.	TITLE OF THE PAPER
	AQC 201	Principles of Aquaculture
	AQC 202	Physiology of Cultivable Organisms
	AQC 203 A	Fresh Water Aquaculture
	AQC 203 B	Capture fisheries
	AQC 204 A	Fishery Economics, Extension and Environmental Management
	AQC 204 B	Limnology
	AQC 205	Soil and Water Characteristics
	AQC 206	Physiology of Fin Fish and Shell Fish
	AQC 207	Human values Professional Ethics - II

Semester - IV	Sl. No.	TITLE OF THE PAPER
	AQC 401	Aquaculture Biotechnology
	AQC 402	Essentials of Biochemistry
	AQC 403 A	Computer Applications, Information Technology & Biostatistics In Aquaculture
	AQC 403 B	Aquaculture Engineering
	AQC 404	Biotechnology And Biochemical Estimations
	AQC 405	Project Work
	AQC 406 A	General Principles and Practices of Aquaculture
	AQC 406 B	Fish Breeding and Hatchery Management

INFRASTRUCTURE FACILITIES : 2 LCD equipped Classrooms

LABORATORIES IN THE DEPARTMENT : AQUACULTURE LAB

Ph.D's Awarded : 04

MOU COLLABORATION : 01

RESEARCH FACILITIES IN THE DEPARTMENT



Refrigerated Centrifuge



UV Spectrophotometer



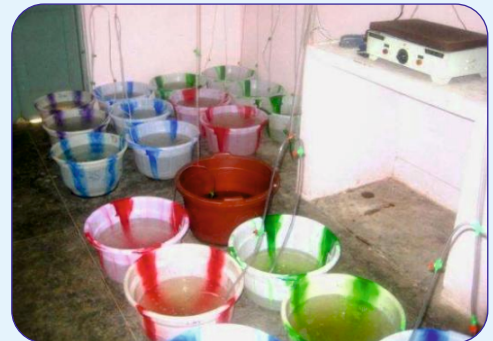
HPLC UNIT



LYOPHILIZER



Hands on Training-Catching the fish seed in pond in Kalyani Dam



REARING THE ANIMALS IN THE LAB



STUDENTS VISITED SIFT, KAKINADA FOR TRAINING



STUDENTS VISITED SIFT, KAKINADA FOR TRAINING



MOU COLLABORATION



CAMPUS RECRUITMENTS DRIVE



CAMPUS RECRUITMENTS DRIVE



STUDENTS VISITED DEEP SEA TRIP TRAINING