

**TAMIL NADU Dr. J. JAYALALITHAA
FISHERIES UNIVERSITY**



POSTGRADUATE DIPLOMA PROGRAMMES

- Postgraduate Diploma in Shrimp Farming Management (PGDSFM)
- Postgraduate Diploma in Advanced Aquaculture Systems (PGDAAS)

**PARAPROFESSIONAL INSTITUTE OF
AQUACULTURE TECHNOLOGY (PPIAT)**

**DIRECTORATE OF INCUBATION
AND VOCATIONAL TRAINING IN
AQUACULTURE (DIVA)**

ECR-Muttukadu, Chennai



Vice-Chancellor's Message

Dear students/working professionals,

It gives me immense pleasure to welcome you all to PPIAT.

We are committed to impart quality education and to sharpen your skills in aquaculture.

Happy learning.

Director's Message

Welcome to PPIAT. Here we offer skill based programme at post-graduate level to cater to the need of aquaculture industry.



About the University

Tamil Nadu Dr. J. Jayalalithaa Fisheries University (TNJFU) is a fisheries science University in the country established by the Govt. of Tamil Nadu in 2012 having a dedicated faculty for academic and research in different branches of fisheries science. This University is running with over 40 constituent units and offers 10 UG programmes, 16 PG programmes and 14 Ph.D. programmes. It also conducts research and extension to enhance fish production of the country and Tamil Nadu in particular.

About the Institute

Paraprofessional Institute of Aquaculture Technology is one of the constituent units of TNJFU which is functioning under Directorate of Incubation and Vocational Training in Aquaculture (DIVA), Muttukadu, Chennai. This institute currently offers UGC approved 3 year B.Voc programme in Industrial Aquaculture with multiple entry and exit program viz., Certificate (6 months), Diploma (1 year), Advanced Diploma (2 years) and Vocational degree (3 years).



Facilities

Laboratories

Feed quality analysis lab
Soil and water quality analysis lab
Microbiology lab
Fish disease diagnosis lab
UG and PG practical labs
Wet lab

Demonstration units

Extruded feed unit
Pellet feed unit
Shrimp culture outdoor unit
Indoor aquaculture complex
Recirculatory Aquaculture System
Biofloc culture unit
Aquaponics unit
Cage culture unit in reservoir
Cage culture unit in lake



Postgraduate Diploma in Shrimp Farming Management (PGDSFM)

Duration: 12 months | Semesters: 2 | Total credits: 50

Shrimp farming is a profitable business and it is a multimillion dollar industry. Shrimp is considered as one of the most traded seafood commodities and their farming practices could generate millions of employments, and provides foreign exchange to developing countries. In Tamil Nadu, shrimp farming has grown considerably and has emerged as a major commercial activity. In this context, to fulfil the skilled manpower need of shrimp industry, Postgraduate Diploma in Shrimp Farming Management is designed for working professionals and students who may want additional graduate experience on a reduced time scale. This course will help to develop rural enterprise by creating rural entrepreneurs with eco-friendly and sustainable shrimp farming technologies.



Course curriculum

Postgraduate Diploma in Shrimp Farming Management (PGDSFM)

Course no	Name of the courses	Credits
Semester I		
SFM 101	Principles of Shrimp Farming	4 (2+2)
SFM 102	Shrimp Diseases and Health Management	4 (2+2)
SFM 103	Shrimp Nutrition and Feeding Management	4 (2+2)
SFM 104	Water and Soil Quality Management in shrimp farming	4 (2+2)
SFM 105	Economics, Banking and Marketing	4 (2+2)
Semester II		
SFM 111	Project work	30 (0+30)

Postgraduate Diploma in Advanced Aquaculture Systems (PGDAAS)

Duration: 12 months | Semesters: 2 | Total credits: 50

Advanced Aquaculture Systems like Recirculatory Aquaculture Systems (RAS), Biofloc culture systems, Aquaponics, Raceways, etc. are gaining importance as the demand for aquaculture products is increasing. These culture systems produce more fish in limited space and therefore requires skilled persons with sound technical knowledge. In this context, to fulfil the skilled manpower need for the modern aquaculture practices, PG Diploma in Advanced Aquaculture Systems is especially designed for working professionals and students who may want additional graduate experience leading to employment and income generating opportunities. Further, the students can do start-ups and become consultants.



Course curriculum

Postgraduate Diploma in Advanced Aquaculture Systems (PGDAAS)

Course no	Name of the courses	Credits
Semester I		
AAS 101	Recirculatory Aquaculture Systems	4 (2+2)
AAS 102	Biofloc Technology	4 (2+2)
AAS 103	Aquaponics	3 (2+1)
AAS 104	Advanced Aquaculture systems	5 (3+2)
AAS 105	Artificial intelligence in Aquaculture	4 (3+1)
Semester II		
AAS 111	Project work	30 (0+30)

How to apply

The admission will be based on the TNJFU counselling process. The candidates can download the prospectus and apply for the programme in the TNJFU website www.tnjfu.ac.in. Application and application fee should be submitted through online (Rs.500/- for SC/ST, Rs.1000/- for others and US\$ 15 for International students).

Eligibility

Any undergraduate and postgraduate degree of Science and Technology from recognized Universities. Students and working professionals from PAN India and abroad can also apply.

Age limit

There is no age limit for the candidates.

Fee structure (exclusive of hostel and food charges)

- ✧ INR 75,000/year (1st semester - INR 40,000; 2nd semester - INR 35,000) for Indian candidates.
- ✧ US\$ 1000/year (1st semester - US\$ 550; 2nd semester - US\$ 450) for foreign candidates.

Admission strength

20 students per year



Salient features

Seminar presentation

Students and working professionals will be encouraged for presentation to promote open discussion around scientific topics.

Laboratory and practical learning

Learning by doing is an essential part of many courses. These sessions aim to give you an insight into working environment, knowledge of experimental methods and techniques and an understanding of academic material taught on the course.

Field trips

Field work or field trips are compulsory element. Field work could help to enhance your theoretical knowledge into experiential knowledge.

Guest lectures

The experts from aquaculture industry as well as from the state and central institutes will be frequently invited to offer guest lectures to share their industry experience.

Project Work

Project work is compulsory for completing the PG Diploma. The candidates have to select a topic based on their interest and its utility for the farming community and to their work situation. The project work has to be planned as field activity and give a formal presentation on the results of your project. All candidates are required to submit a Project Report before the end of second semester.

Opportunities

- Start-up
- Consultation
- Farm management
- Marketing



Important dates

Online application opening date : 08.02.2022

Last date for submission of
online application : 07.03.2022

Counselling date / Declaration of
counselling results / seats allotted : 14.03.2022

Commencement of the courses : 24.03.2022

Prospectus and Application

can be downloaded from

www.tnifu.ac.in

Contact for course details

Director

**Directorate of Incubation and
Vocational training in Aquaculture (DIVA)**

ECR-Muttukadu, Chennai - 603 112

Phone: 044 - 2747 2118 / 94436 88174

Email: diva@tnfu.ac.in

Contact for admission

The Chairman

PG Admission Committee

Tamil Nadu Dr.J.Jayalalithaa Fisheries University

Nagapattinam - 611 002

Phone: 04365 - 256430 / 94426 01908

Email: pgadmission@tnifu.ac.in