TAMIL NADU Dr. J. JAYALALITHAA FISHERIES UNIVERSITY













EDUCATE TNJFU ELEVATE
INNOVATE

INFORMATION BROCHURE 2025

Genesis Of University

TNJFU
Tamil Nadu Dr. J. Jayalalithaa Fisheries University

1977 **2012** 2014 2016 2018 2020 2022 2024 2025

Fisheries College

The Fisheries College in Tamil Nadu started in the year 1977 in Thoothukudi under TNAU.





University

TNJFU was established in 2012 as the 2nd State Fisheries University of India at Nagapattinam.

ABOUT TNJFU

TNJFU
Tamil Nadu Dr. J. Jayalalithaa
Fisheries University

TNJFU, one of its kind in the country, is a young and dynamic university that saw its genesis a decade ago and roots to a humble beginning in 1977 as a Fisheries College in Thoothukudi, the country's second such institution. The journey that began then, spanning over 47 years of excellence in the domain of fisheries education, research, and extension, has made the university stand as an exemplary institution today with a number of constituent units that are still growing. Our strong presence in 12 districts of Tamil Nadu makes us a vibrant and fervent educational institution committed to exploring possibilities to bring about a transformation in the higher educational landscape.

The Indian fisheries sector has been witnessing tremendous growth in recent years, making its role in the Indian economy indispensable. While ensuring the nation's food and nutritional security, the fisheries sector is also preserving and improving the lives of millions of fishermen and fish farmers. The new developments and interventions in the aquaculture and seafood industries have made India a global leader in the fisheries sector. India's "Blue Revolution" mission to harness the full potential of the fisheries sector is netting huge success by increasing fisheries production, both inland and marine, from aquaculture and fisheries resources through sustainable practices.

TNJFU offers the right place for budding next-generation innovators and scientists in the discipline of fisheries science. Our academic programmes are designed to cater to the needs of the sector by developing professionals who are industry-ready to address the contemporary challenges prevailing in the fisheries sector. We are focused on fostering seafood and aquaculture-based entrepreneurship by training students in the future thrust areas with the best infrastructure and technology. We are dedicated to building expertise at the field level and nurturing the young minds who are tomorrow's changemakers. We believe in turning science into societal benefits by empowering the fish farmers, fishing communities, women, and youth of Tamil Nadu through capacity building, skill development, and livelihood improvement programmes.

Welcome to the realm of knowledge that transforms lives!

Dr. N. FELIX
Vice-Chancellor

VISION

"Harnessing the Science of Fisheries for Food, Nutrition and Livelihood"

MISSION

Excelling in teaching, research, and extension initiatives in fisheries sciences to produce professionally acclaimed and socially responsible graduates achieving nutritional security and sustainable development of the fisheries sector.

OBJECTIVES

- To impart quality education in different branches of Fisheries Sciences as the University may determine.
- To conduct organised research in the frontier area to develop cutting-edge technologies in Fisheries Science.
- To provide extension services like training, consultancy, project formulation to fish farmers, fisherfolk, unemployed youth and entrepreneurs in Fisheries Sciences.
- To facilitate comprehensive development of Fisheries Sciences for increased contribution to the state's economy and set benchmark standards through appropriate interventions in fisheries teaching, research and extension.

UNIVERSITY PROFILE

ACCREDITATIONS

ICAR

Grade A

ICAR accreditation valid till year **2026**

UGC

'12 B' Status

AICTE

Approved

8
Constituent Colleges / Institutes

3
Paraprofessional Institutes

1
Private College

1
Krishi Vigyan Kendra (KVK)

Technical Directorates & Centres

5
Directorates (DR, DSA, DEE, DIVA, DIVF)

8
Centre for Sustainable Aquaculture – DSA

3
Centre for Incubation & Vocational Training in Aquaculture – DIVA

3
Centre for Incubation & Vocational Training in Fisheries – DIVF

Colleges / Institutes


Fisheries College and Research Institute, Thoothukudi


Dr.MGR Fisheries College and Research Institute, Ponneri


College of Fisheries Engineering, Nagapattinam


Dr.MGR Fisheries College and Research Institute, Thalainayeru


Institute of Fisheries Post Graduate Studies, OMR Campus, Vaniyanchavadi

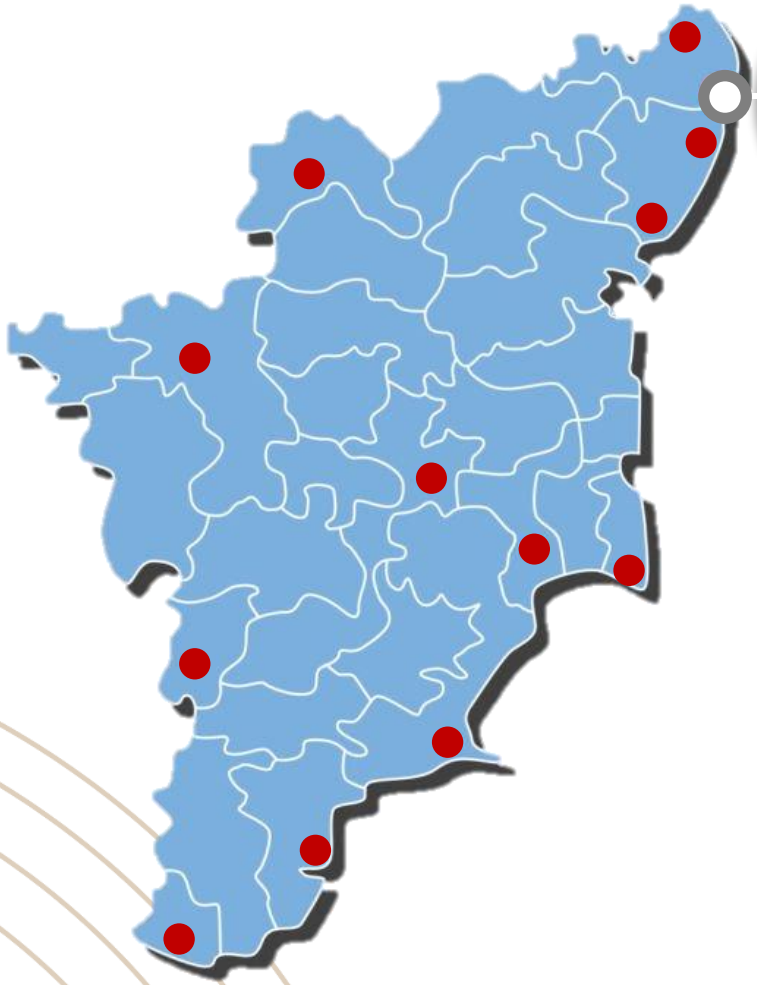

College of Fish nutrition and Food Technology, Madhavaram, Chennai


Paraprofessional Institute of Fishing Technology, Ramanathapuram


Paraprofessional Institute of Industrial Fish Processing Technology, Madhavaram


Paraprofessional Institute of Aquaculture Technology, Muttukadu

PRESENCE OF TNJFU



12 DISTRICTS

- Chennai
- Thiruvallur
- Chengalpattu
- Nagapattinam
- Trichy
- Thanjavur
- Krishnagiri
- Ramanathapuram
- Erode
- Theni
- Thoothukudi
- Kanyakumari

FACILITIES

Incubation Centres



EDII-MBIF (Marine Products Business Incubation Forum), Thoothukudi



Post-Harvest Research & Incubation Centre, Ponneri



Fish Processing Incubation Centre, Thalainayeru



Fish Processing Incubation Centre, Madhavaram



METRO Fish Processing Facility, Nagapattinam



Aquatic Rainbow Technology Park, Madhavaram



Aquatic Rainbow Mall, Madhavaram

Off-campus Facilities



ARFF, Madhavaram



PRFF, Pulicat



MRFF, Thoothukudi



BRFF, Vaniyanchavadi



Freshwater Instructional Fish Farm, Korukkai



Brackishwater Instructional Fish Farm, Nagapattinam

7

Incubation Centres

6

Off-campus Facilities

5

Major Laboratories

3

Marine Engine Workshops

Other Facilities





Deep-sea Fishing Research & Training Vessel **MFV KAYAL**, Thoothukudi





Aqua Feed Extrusion Mill, Muttukadu





'KAYALAGAM' Fishery Products Sales Outlet, Thanjavur & Madhavaram

MAJOR LABORATORIES

- Aquatic Animal Health Lab, Madhavaram & Thoothukudi
- Aquaculture Quality Testing Lab, Nagapattinam
- Fish Feed Testing and Quality Certification Lab, Vaniyanchavadi
- Fish Quality Monitoring & Certification Lab, Thoothukudi

Our University offers several services to fisherfolk, and fish farmers. Feed, Water, & Soil quality testing laboratories, disease diagnostic laboratories cater to the needs of fish and shrimp




Mobile Lab Facility



TNJFU FACULTIES

Faculty of Fisheries Sciences

- FC & RIs (3)
- IFPGS (1)
- Paraprofessional Institutes (3)

Faculty of Basic Sciences

- Institute of Fisheries Biotechnology (1)
- Fisheries Business school (1)



Faculty of Fisheries Engineering

- College of Fisheries Engineering (1)

Faculty of Food Science & Nutrition

- College of Fish Nutrition & Food Technology (1)

ACADEMIC PROGRAMMES

UG 8

SCIENCE PROGRAMME

B.F.Sc.
- Fisheries Science

ENG. & TECH. PROGRAMMES

B.Tech.
- Fisheries Engineering
- Food Technology
- Biotechnology

MANAGEMENT PROGRAMME

B.B.A.
- Fisheries Enterprises Management

VOCATIONAL COURSES

B.Voc.
- Fish Processing Technology
- Industrial Aquaculture
- Industrial Fishing Technology

PG 16

M.F.Sc.
- Aquaculture
- Aquatic Animal Health
- Aquatic Environment Mngt.
- Fish Processing Technology
- Fish Quality Assurance & Mngt.
- Fisheries Engineering & Tech.
- Fisheries Resource Mngt
- Fish Biotechnology
- Fish Nutrition & Feed Tech.
- Fisheries Extension
- Fisheries Economics
- Fish Genetics and Breeding
- Fish Pharmacology & Toxicology

M.Tech.
- Aquaculture Engineering
- Fish Process Engineering

M.B.A.
- Fisheries Enterprises Mngt.

Ph.D. 14

Ph.D. (Fisheries Science)

- Aquaculture
- Aquatic Animal Health
- Aquatic Environment Mngt.
- Fish Processing Technology
- Fish Quality Assurance & Mngt.
- Fisheries Engineering & Tech.
- Fisheries Resource Mngt
- Fish Biotechnology
- Fish Nutrition & Feed Tech.
- Fisheries Extension
- Fisheries Economics
- Fish Genetics and Breeding
- Fish Pharmacology & Toxicology

Ph.D. (Life Sciences)

OVERALL FACULTY & STUDENT STRENGTH

Faculty of Fisheries Sciences

103 faculty
956 students

Faculty of Fisheries Engineering

17 faculty
130 students

Faculty of Basic Sciences

13 faculty
161 students

Faculty of Food Science & Nutrition

7 faculty
128 students

STUDENT ACHIEVEMENTS

India Fisheries Outlook 2 (IFO 2)

1. Dr. U. Ari Sekar – Honoured with both the Dr. I. Karunasagar Best Ph.D. Thesis Award (2022) and the Dr. M. S. Swaminathan Best Fisheries Scientist Award (2024)

2. Dr. S. Sundhar – Recipient of the Dr. I. Karunasagar Best Ph.D. Thesis Award (2024) and Dr. J. K. Jena Gold Medal by IFSI

3. Ms. Emiema – Awarded the Dr. N. R. Menon Best M.F.Sc. Thesis Award (2024)

4. Ms. Prabali Marpade – Conferred the Dr. N. R. Menon Best M.F.Sc. Thesis Award (2022)

PFGF Best Fisheries Graduate of India

1. Ms. Elavarasi – Secured the top rank and received the Dr. K. C. Naik Award

2. Mr. A. Ebiron – Achieved third rank and was honoured with the Dr. E. G. Silas Award

82 COLLABORATIONS

































MoU SIGNED

2024-2025

15





S. No.	MoU SIGNED
1.	M/s Aquagri Processing Private Ltd, New Delhi
2.	M/s Neythal Fresh Exports, Thoothukudi
3.	M/s Equiblue Alliance, LLP, Vilathikulam, Thoothukudi
4.	M/s Pearl City Marine Products Pvt. Ltd, Thoothukudi
5.	M/s Shenglong Biotech Pvt Ltd., Thiruvallur
6.	M/s Aker biomarine, Mumbai
7.	Ponnaiyah Ramajayam Institute of Science and Technology, Thanjavur
8.	Amirta Vishwa vidyapeetham, Coimbatore
9.	ICAR- Central Institute of Fisheries Education, Mumbai
10.	Sri Sairam Homoeopathy Medical College & Research Centre, Chennai
11.	Tamil Nadu Veterinary and Animal Sciences University, Chennai
12.	National Agro Foundation, Chennai
13.	Indian Institute of Tropical Meteorology, Pune
14.	Vellore Institute of Technology (VIT)
15.	Tamil Nadu Food Processing & Agri Export Promotion Corporation (TNAPEx)

MoU RENEWED

2024-2025

2

S. No.	MoU RENEWED
1.	M/S CMR Feeds and Supplements, Chennai
2.	M/s Sai Eswar Biosciences, Chennai

THRUST RESEARCH AREAS

Aquaculture

- Breeding & seed production of pacu, seabass, murel, anabas, loach & mud crab and feed development
- Development of improved strain tilapia and pure line tilapia brooders
- Exclusive therapeutic products – phytobiotics, antiviral compounds and biofilm vaccine development for *vannamei* against bacterial & viral diseases; and therapeutic potential of marine polychaetes
- AI based research – portable sensors, hydroacoustic tech. for biomass estimation & drone based automated feeding system
- Development of water probiotics
- Ornamental fish diseases research

Fish Processing

- Development of bioplastic and active food packing materials
- Value addition of invasive Charru mussel (bio-fertilisers & mineral mix)
- Investigation on heavy metal bioaccumulation & health risks associated with seafood consumption
- Circular economy approach – collagen peptides from processing waste & artificial bioreef from shell waste
- DNA barcoding, molecular identification for authenticity
- Seaweed based products like protein hydrolysate etc.
- Traceability in the supply chain

Fishing Technology

- Design & development of troller for-high valued pelagic fishes
- Development of eco-friendly artificial baits using surimi incorporated with marine & plant derived bioattractants
- Development of serial collapsible & non-collapsible crab traps
- Design and development of Fish traps for the capture of reef fishes
- Development of semi-automatic longline system for motorized fishing crafts
- Design & development of artificial conch shell shaped pots for the capture of Octopus along the coast of Palk Bay

Aquatic Environment Management

- Artificial Coral Reef/Live Rock (ACR/LR) and Fish Aggregating Artificial Reef (FAAR)
- Enriched bacterial consortium evaluation for the treatment aquaculture wastewater
- Typha & Eichorrnia based biochar filter media for removal of lead from contaminated water
- Assessment of trophic transfer & bio-magnification of heavy metal contaminants in Pulicat Lagoon & other water bodies
- Economic evaluation of Ecosystem services
- Carbon footprint studies in shrimp farming

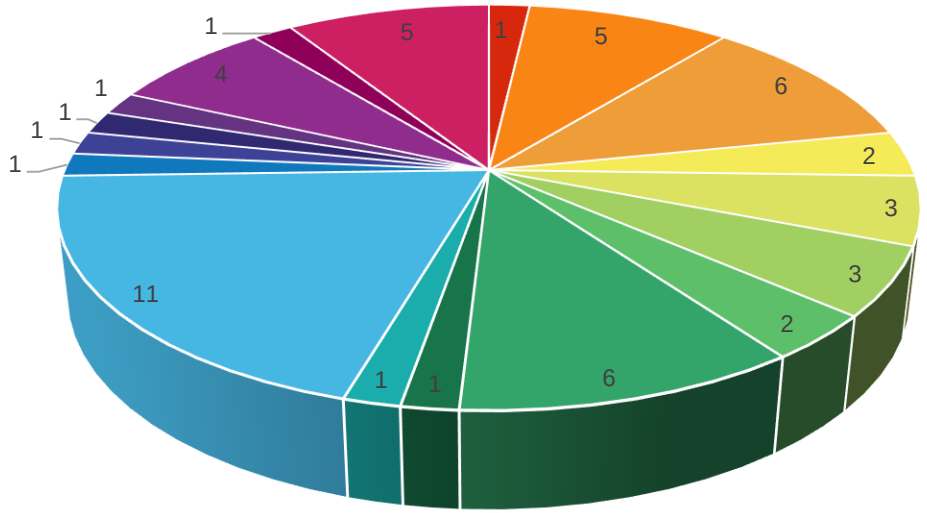
Fisheries Resource Management

- Assessment of reproductive biology and population characteristics of marine fishery groups at coastal regions of TN for declaring fishing ban season
- Eco-modelling of Ennore estuarine complex
- Development of an e-module for marine conservation

Fisheries Extension

- Digital extension services, Value chain analysis, and fishermen livelihood oriented research

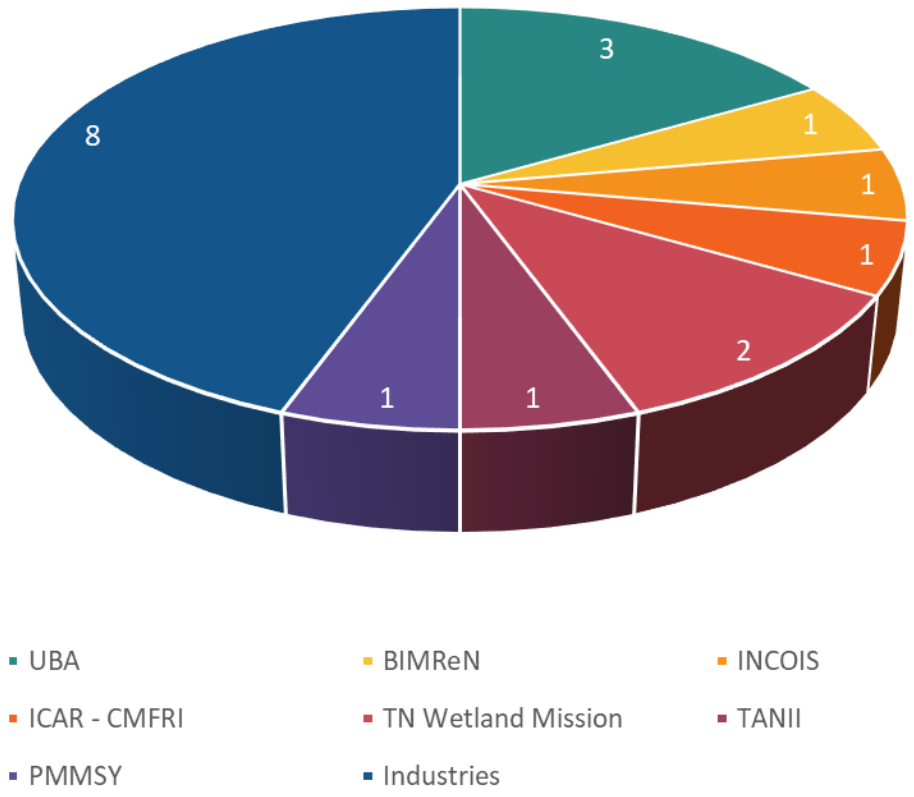
RESEARCH PROJECTS SUBMITTED (2024-25)



- SYST-DST
- TNSCST
- UBA
- TNSWA
- ANRF
- DBT
- ICMR
- TANII
- USFDA
- NABARD
- PMMSY
- ICAR – Niche area excellence
- NFDB
- BIMReN
- ICSSR
- CMRG
- PMMKSSY
- Industries

Funding Agency	Number of Projects	Budget (in Lakh)
SYST-DST	1	49.13
TNSCST	5	22.02
UBA	6	6.00
TNSWA	2	33.74
ANRF	3	151.90
DBT	3	200.77
ICMR	2	177.52
TANII	6	1335.60
USFDA	1	55.00
NABARD	1	10.41
PMMSY	11	2779.69
ICAR – Niche area excellence	1	566.75
NFDB	1	48.05
BIMReN	1	50.00
ICSSR	1	24.70
CMRG	4	141.78
PMMKSSY	1	1000.00
Industries	5	24.17
Total	**55**	**6677.23**

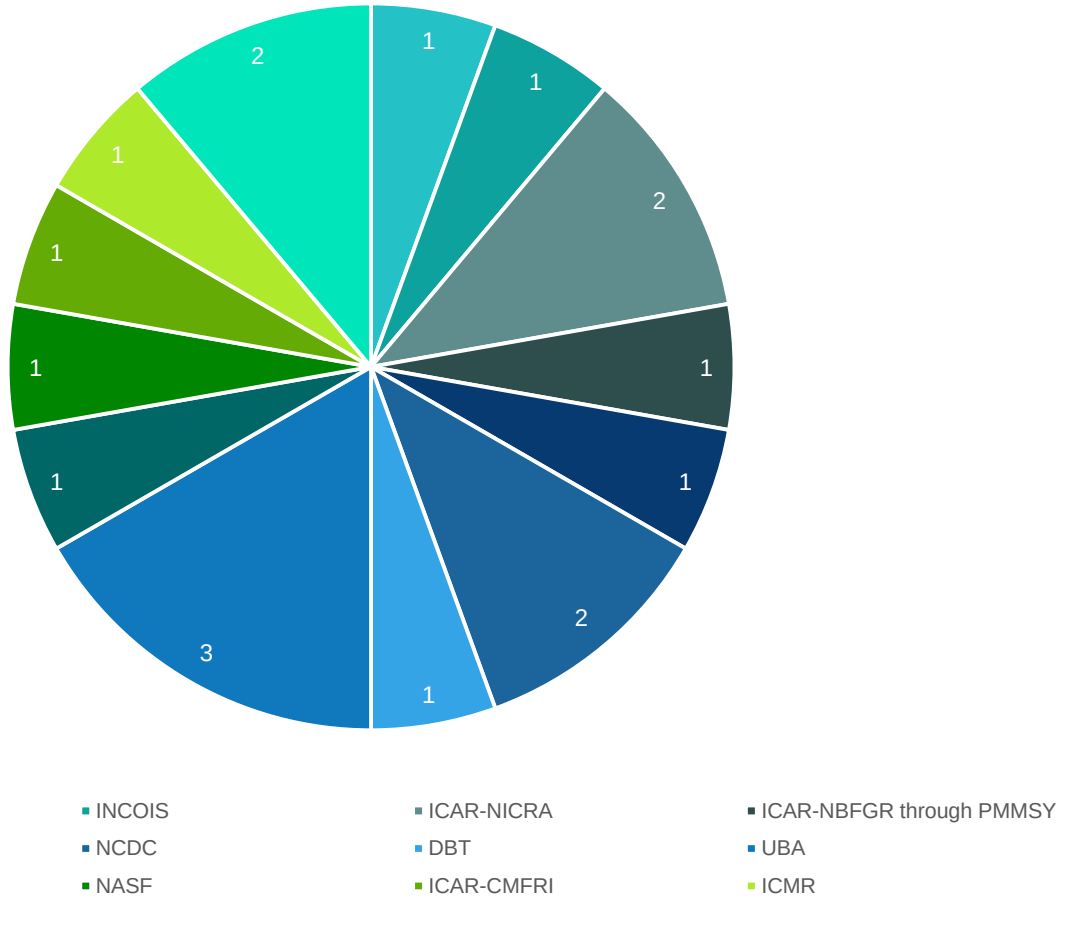
RESEARCH PROJECTS SANCTIONED (2024-25)



Funding Agency	Number of Projects	Budget (in Lakh)
UBA	3	3.00
BIMReN	1	20.45
INCOIS	1	36.80
ICAR - CMFRI	1	17.00
TN Wetland Mission	2	33.74
TANII	1	39.90
PMMSY	1	2.08
Industries	8	32.46
Total	**18**	**185.43**

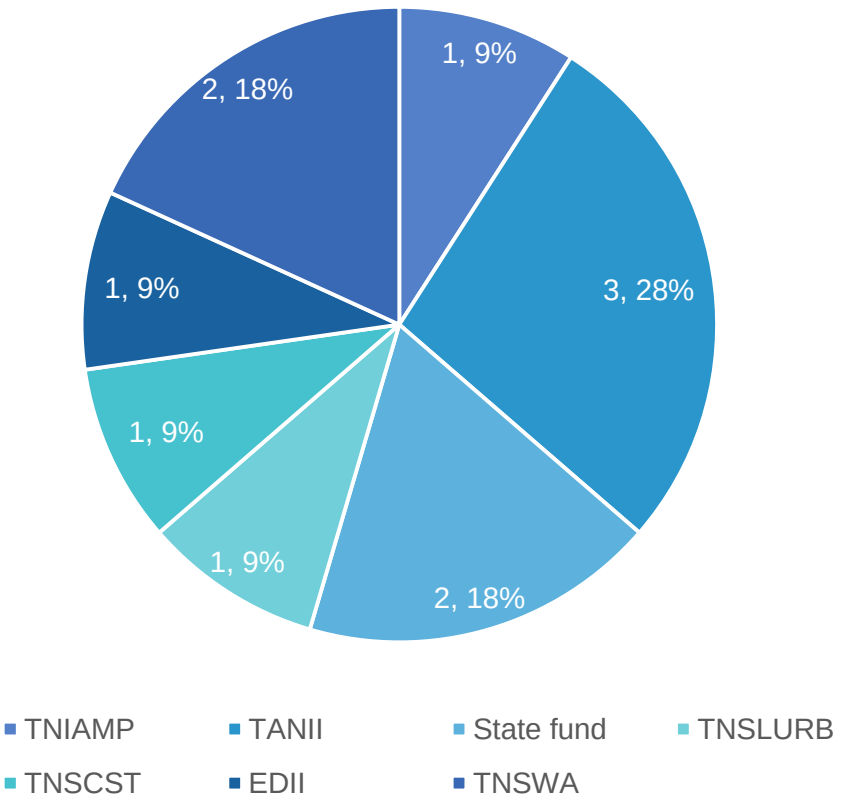
ONGOING CENTRAL AGENCY PROJECTS

Funding Agency	No. of Projects	Budget (in lakhs)
DST –SERB (CRG)	1	45.00
INCOIS	1	36.80
ICAR-NICRA	2	68.25
ICAR-NBFGR through PMMSY	1	52.20
NCCR	1	123.91
NCDC	2	52.08
DBT	1	50.38
UBA	3	3.00
DSIR	1	24.99
NASF	1	4.39
ICAR-CMFRI	1	17.00
ICMR	1	67.65
PMMSY	2	122.65
Total	**18**	**668.30**



ONGOING STATE FUNDED PROJECTS

Funding Agency	No. of Projects	Budget (in lakhs)
TNIAMP	1	250.00
TANII	3	617.30
State fund	2	535.0
TNSLURB	1	11.18
TNSCST	1	1.75
EDII	1	250.00
TNSWA	2	33.74
TOTAL	**11**	**1698.97**



ONGOING INDUSTRY PROJECTS

Funding agency	No. of Projects	Budget (in lakhs)
M/s. Sea6 Energy Bangalore Karnataka	1	5.46
M/s. Kemin Industries South Asia Pvt. Ltd., Chennai	1	3.27
M/s Provet Pharma Private Limited, Chennai	1	1.07
M/s Visharaa Biotech, Chennai	1	1.00
M/s Neythal fresh Exports , Thoothukudi	1	2.00
M/s Aker Biomarine, Mumbai	1	5.77
M/s Equiblue Alliance LLP, Thoothukudi	1	6.21
M/s Pearl City Products Limited, Thoothukudi	1	2.30
M/s Growbest	1	8.16
TOTAL	**9**	**35.24**

ONGOING INTERNATIONAL AGENCY PROJECTS

Funding agency	No. of Projects	Budget (in lakhs)
USFDA	1	57.03
BiMREN	1	20.45
USAID	1	14.94
TOTAL	**3**	**92.42**

RELEASED TECHNOLOGIES (2025)

18 TECHNOLOGIES

S. No.	TITLE OF THE TECHNOLOGY
1.	Seed production technology for Striped Murrel (*Channa striatus*) under captive condition
2.	Standardisation of protocol for mass culture of novel marine biflagellate *Proteomonas sulcata* isolated from Gulf of Mannar coastal waters for mariculture operations
3.	Fish curry in Retort Pouch (South Indian & Srilankan) *(commercialised)*
4.	Seaweed incorporated edible coffee cups
5.	Seaweed incorporated edible icecream cones
6.	Seeweed extract (*Sargassum wightii*) incorporated chocolate
7.	Seaweed (*Hypnea pannosa*) incorporated face cream
8.	Seaweed (*Hypnea pannosa*) incorporated soap
9.	Seaweed (*Hypnea pannosa*) incorporated body wash

S. No.	TITLE OF THE TECHNOLOGY
10.	Seaweed (*Hypnea pannosa*) incorporated Shampoo
11.	Seaweed (*Hypnea pannosa*) incorporated handwash
12.	Green Spicy Shrimp Snack *(commercialised)*
13.	Mixed Spice Shrimp Snack *(commercialised)*
14.	Classic Salt and chilly shrimp snack *(commercialised)*
15.	Cheese and Spice Flavoured shrimp snack *(commercialised)*
16.	Tandoori Barbecued Shrimp Snack *(commercialised)*
17.	TNJFU – Murrel feed
18.	TNJFU- Asian Seabass feed

COMMERCIALISED TECHNOLOGY (2025)







On 12th February 2025, the Hon'ble Minister for Fisheries and Fishermen Welfare and Animal Husbandry launched **CMR Vannamei Shrimp Feed,** a new formulation developed using **TNJFU's Shrimp Feed Formulation Technology** to optimise shrimp growth and productivity at the **Feed Mill** in **Directorate of Incubation and Vocational Training in Aquaculture (DIVA)**, Muttukadu

PATENTS GRANTED

2024-2025



S. No.	DESIGN PATENTS
1.	Grader for shrimp nursery
2.	Piezoelectric tiles
3.	Piezoelectric shoe
4.	Pocket Size Colorimeter
5.	Apparatus for fast recovery of solvent by HPLC

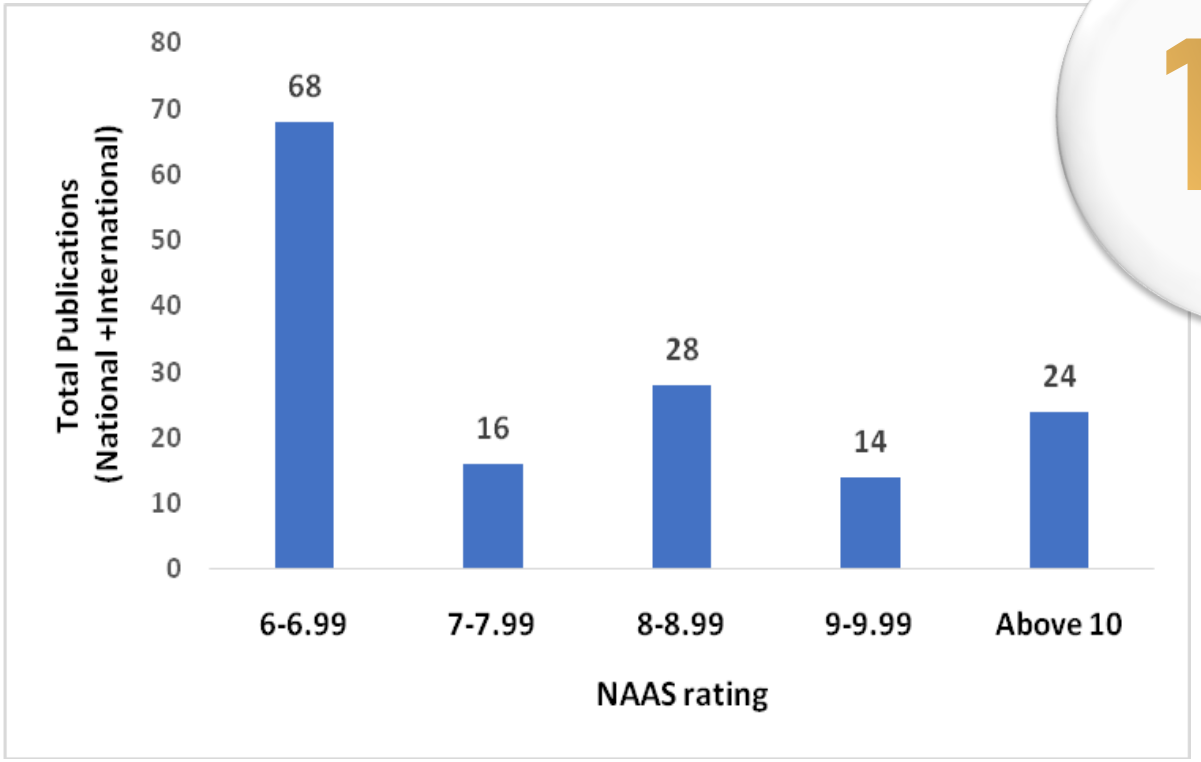
PATENTS PUBLISHED

2024-2025



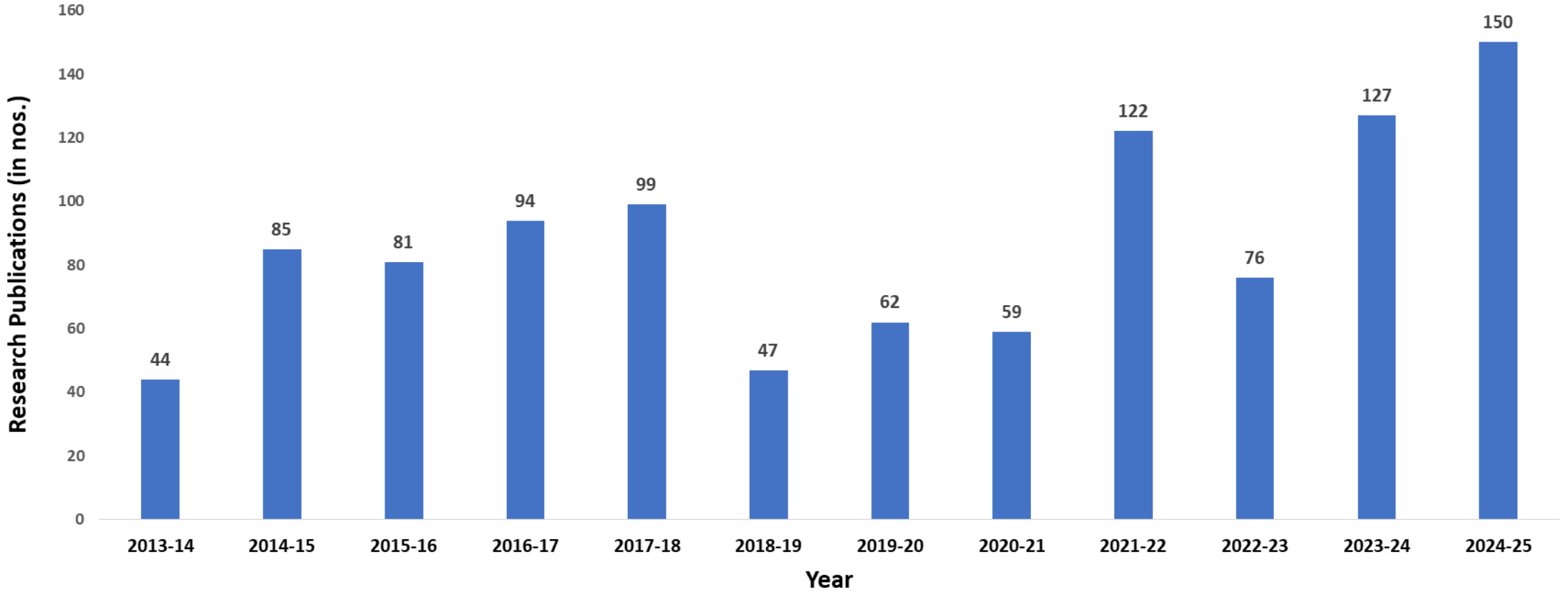
S. No.	PUBLISHED PATENT
1.	Device for separating plastic and debris from flowing water in natural water bodies

RESEARCH PUBLICATIONS (2024-25)



150

RESEARCH PUBLICATIONS TREND



Total Number of Research Publications (National and International) – **1,025**

DIRECTORATE OF SUSTAINABLE AQUACULTURE

TCeSA



MCeSA



KKGCeSA



KKPCeSA



KBCeSA



EBCeSA



Trichy CeSA



Theni CeSA



- **TCeSA:** Focus on the development of innovative aquaculture technologies for the inland farming sector and dissemination of advanced farming technology to the farmers and entrepreneurs
- **MCeSA:** Focus on standardisation of breeding and seed production techniques for commercially important marine food fish and ornamental finfishes
- **KKGCeSA:** Focus on the establishment of a shrimp brood bank in Kanyakumari district and the development of SPF Broodstock for the Indian Penaeid species

- **KKPCeSA:** Undertake research programmes in aquaculture to uplift the socio-economic status of farmers and fishing communities in Kanyakumari District and disseminate the latest technologies in inland fish farming and marine fisheries to the stakeholders
- **KBCeSA:** Work exclusively on new tilapia strain development, breeding techniques, seed production, all-male seed production with low-cost technologies and low-cost feed for tilapia

- **EBCeSA:** Focus on enhancing the seed production of commercially important freshwater fishes especially Jayanthi rohu and promoting the culture of fast growing carp, Jayanthi Rohu among farmers of the district
- **Trichy CeSA:** Focus on standardisation of the culture technology for the mass-scale production of economically important freshwater ornamental fishes
- **Theni CeSA:** Focus on the standardisation of Indian Spiny Loach farming technology and the promotion of loach farming in the state

DSA SUCCESS STORIES (2024-25)

SUCCESS STORY

BY OFFERING **TECHNICAL ADVISORY SERVICES** AND **TRAININGS**

14







- **Fish & Shrimp Farmers** – engage in pond culture of Freshwater fishes (food & ornamental fish), Tilapia, Loach and Vannamei.
- **Ornamental Fish Retailer** – maintaining aquarium and marine fish breeding centre



Centre for Incubation & Vocational Training in Aquaculture (CIVA), Muttukadu (HQ)



Centre for Incubation & Vocational Training in Aquaculture (CIVA), Poondi



Centre for Incubation & Vocational Training in Aquaculture (CIVA), Kulavai

3

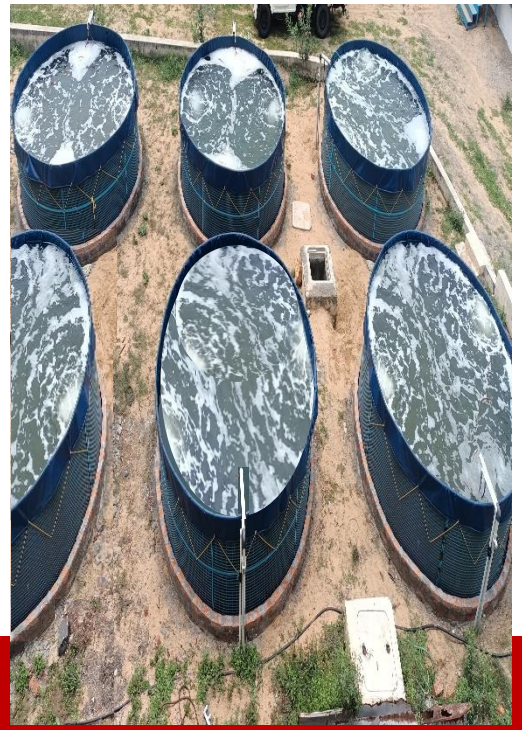


Directorate of Incubation and Vocational training in Aquaculture (DIVA)

FACILITIES



Aqua Feed Extrusion Mill



Biofloc Unit



Indoor RAS Complex



Floating Cage



Lined Pond (Shrimp Farming)



Centre for Incubation & Vocational Training in Fisheries (CIVF), Mandapam (HQ)



Centre for Incubation & Vocational Training in Fisheries (CIVF), Thoothukudi



Centre for Incubation & Vocational Training in Aquaculture (CIVF), Thengaipattinam

3



Directorate of Incubation and Vocational training in Fisheries (DIVF)

FACILITIES



Deep-Sea Vessel Research & Training Vessel **MFV KAYAL**



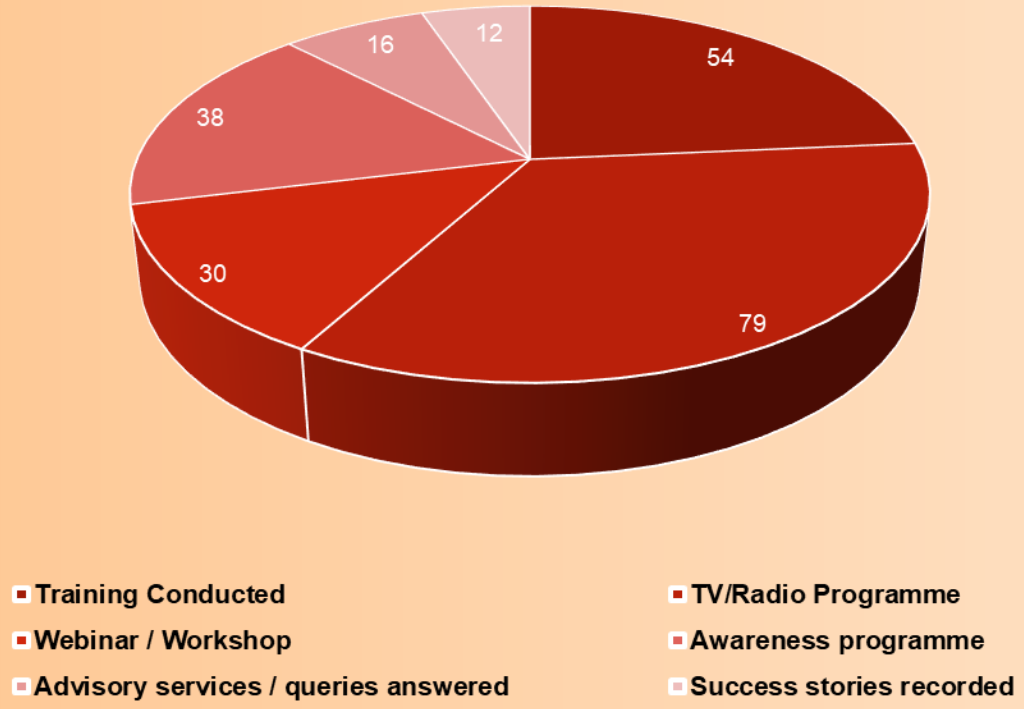
Chart Reading Hall



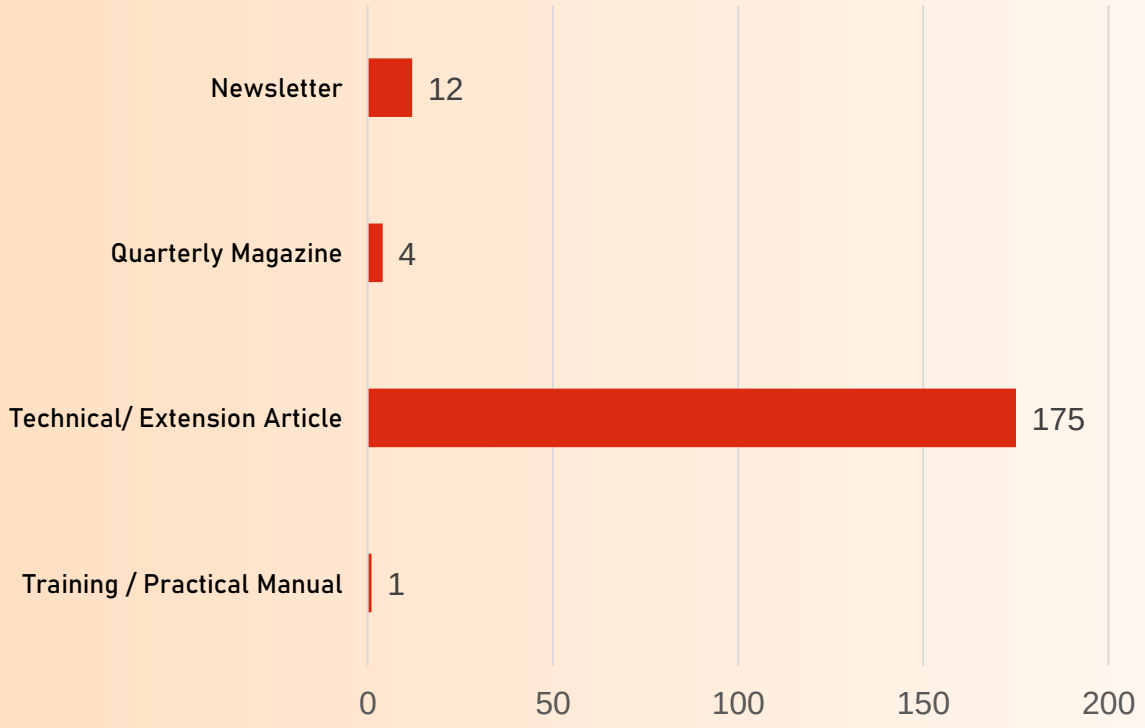
Marine Engine Workshop

DIRECTORATE OF EXTENSION EDUCATION (2024-25)

EXTENSION ACTIVITIES



EXTENSION PUBLICATIONS



DIRECTORATE OF EXTENSION EDUCATION (2024-25)

EXHIBITIONS PARTICIPATED	11
TOTAL BENEFICIARIES	29964











Quarterly Magazine



Monthly Newsletter

EXTENSION PUBLICATIONS	192

Public-Private Partnership (PPP)

Microalgae Culture (Indoor & Outdoor)






M/s Sai Easwar Biosciences
Mandapam - CeSA

Vannamei seed production




M/s Jayashri Hatchery
Ganapathipuram - CeSA

Public-Private Partnership (PPP)

Fish & Shrimp Feed Manufacturing



M/s CMR Feeds Pvt.Ltd.
Chennai

Micropropagation of Seaweeds



M/s Aquagri Pvt.Ltd.
Ramanathapuram

Development of Technology - RAS Facility

EC4RAS

M/s. ECKLIEN4RAS LLB
Chennai

ENTREPRENEURSHIP & STARTUP PROMOTION

TNJFU's Business Incubators for Aquaculture and Fish Processing Technology to promote Start- Ups Integrated Fisheries Entrepreneurship in Tamil Nadu – Rs.300 Lakh

Establishment of Feed mill unit- Rs.398 lakh

















Aquatic Rainbow Mall

TANII PROJECT – RS.10 Crore







Entrepreneurship Development and Innovation Institute - Marine Products Business Incubation Forum (EDII-MPBIF) – Non-profit section 8 company with FSSAI registration



Workshop on "Sprouting Entrepreneurship in Marine Products"



Skill development training programme on "Entrepreneurship in Marine Products"

Success stories of the incubatees cum emerging startups of EDII-MPBIF

- **M/s. Herblis Health Care** produced **seaweed-incorporated cosmetic products.**
- **M/s. FLTF Food Products LLP** opened a restaurant – Café-experience center **(Rybax)**
- **M/s. Caruvaddu** is at the onset of **Masmin Pickle (Thokku) production and marketing.**
- **M/s. Zafira Foods** opened its retail outlet unit **value-added fish-based pickles**.
- **M/s. Pearl Frozen Foods -** production and marketing of **frozen fish and shrimp products.**
- **M/s. Nutrigenetics Life Science Pvt. Ltd.** successfully formulated and marketed **innovative nutritive plant eggs sachets.**
- **M/s. JSF Foods** launched their **fish-based extruded products** during the **Brandlab & Launchpad event** organized by Startup-TN.



Retail Outlet Unit of M/s. Zafira Foods



Rybax Restaurant

LIVELIHOOD EMPOWERMENT PROGRAMMES

1 FISHERMEN BOAT DRIVER LICENSE TRAINING

FC&RI, Thoothukudi & DIVF, Ramanathapuram

On completion, the trainees are eligible to apply for a boat driver license to navigate fishing vessels of OAL<24 m fitted with less than 240 HP engines by Department of Fisheries and Fishermen Welfare of Tamil Nadu.

One week training on 'Care and maintenance of fishing boat engines of mechanized boat and safety of fishermen at sea' covering 3 districts such as Kanyakumari, Thoothukudi and Ramanathapuram

- Funding agency: TNSDC
- Total Trainees: 300
- Total Trainings: 16 (2022-25)



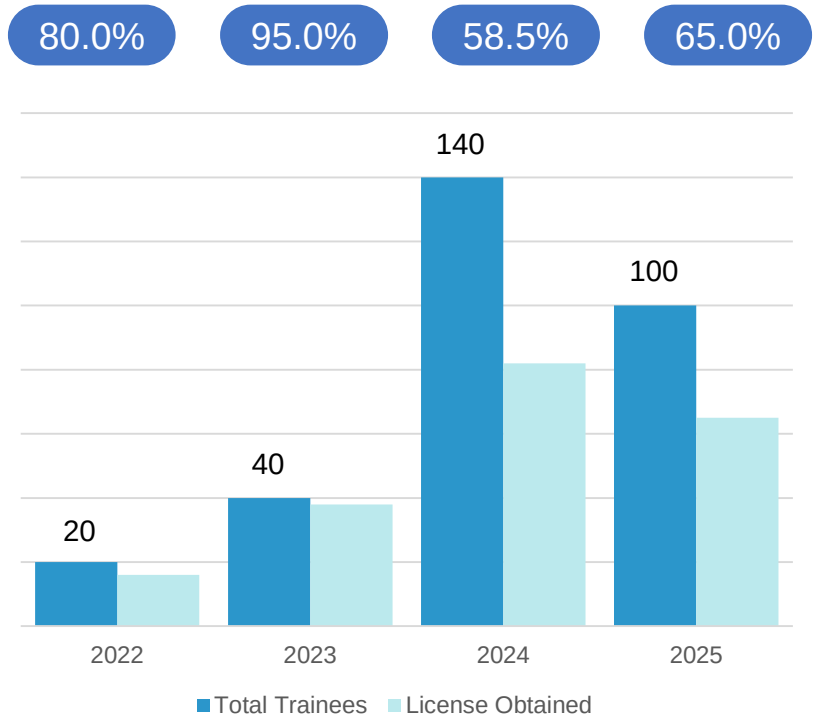
Demonstration of engine repair in the marine engine workshop



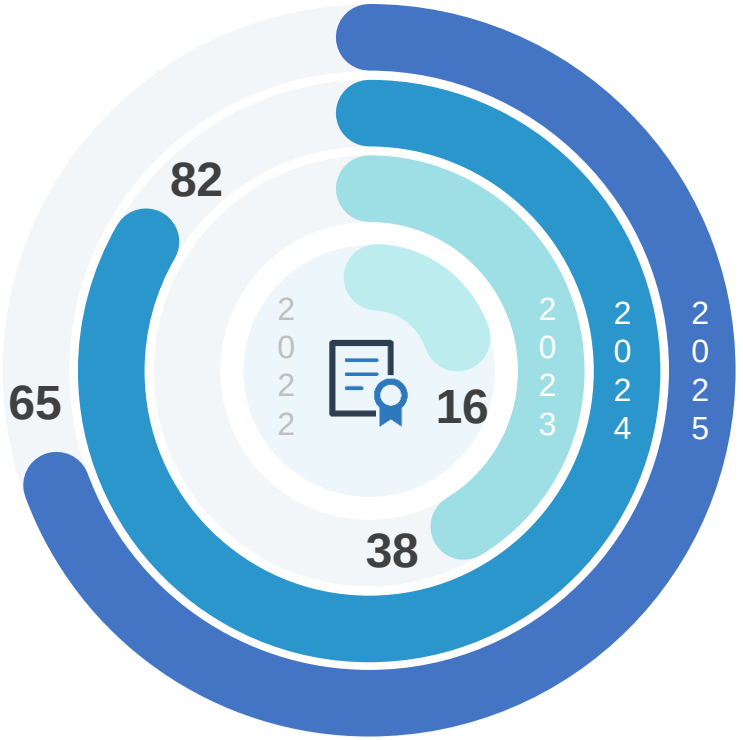
Demonstration of Navigational Simulator by a Ship Captain

OUTCOMES

SUCCESS STORY OF **BOAT DRIVER LICENSE** TRAINING PROGRAMME – **YEAR WISE**



BOAT DRIVER LICENSE OBTAINED BY FISHERMEN – **YEAR WISE**



ENGINE MAINTENANCE

Fishermen who participated in the training sessions on **first aid, firefighting, and engine maintenance** have begun **actively adhering to the standard operating procedures** associated with these critical areas.

This progress is confirmed by **post-training evaluations**.

Voluntary registration of **1000 FISHERMEN** on the **TNSKILL portal** strongly reflects their growing interest in enhancing their competencies in navigational skills, first aid, firefighting equipment usage, and engine maintenance. It also demonstrates their commitment to becoming certified and licensed professionals in the field.

OUTCOMES

SUCCESS STORY

201





FISHERMEN OBTAINED BOAT DRIVER LICENSE



Issuing of Boat Driver license to the trainees

LIVELIHOOD EMPOWERMENT PROGRAMMES

2

GILL NET DESIGNING, ASSEMBLING & MENDING TRAINING PROGRAM FOR FISHERWOMEN

FC&RI, Thoothukudi & DIVF, Ramanathapuram

One week training on 'Livelihood upgradation of fisherwomen of Tamil Nadu through on Gill net designing, assembling and Net mending' covering 2 districts such as Thoothukudi and Ramanathapuram

- Funding agency: TNSDC
- Total Trainees: 90
- Total Trainings: 3 (2023)



Practical class on 'Shaping of webbing by braiding'



Final stage of model gill net

OUTCOMES

90 **FISHERWOMEN** WERE TRAINED IN GILL NET DESIGNING & MENDING



Gill net assembling



Issuing of Rs.6,00,000 cheque by the Bank to a Fisherwomen trainee

SUCCESS STORY

11

- Fisherwomen started a business of their own on "Gillnet making and Net mending" availing a bank loan through the **District Industrial Centre (DIC)** with the government subsidy of **35%**
- Investment: **Rs.4.5 lakhs**
- Revenue Generated: **Rs.5.0 lakhs**
- Employment opportunity: Each entrepreneur engages **5 fisherwomen**
- Net Profit: **Rs.20,000 per gear** (after deducting expenses such as bank loan repayments and employee wages)

LIVELIHOOD EMPOWERMENT PROGRAMMES

3

EMPOWERMENT OF ARTISANAL FISHERFOLK OF PAZHAVERKADU THROUGH CRAB CULTURE TECHNOLOGY

PRFF, Pulicat (Thiruvallur)

Scientific method of crab farming technology was disseminated, Inputs like crablets, feed, etc. was supplied for crab culture, Marketing linkage was provided to Pulicat fisherfolk



Distribution of soft crabs to fisherfolk for stocking in ponds



Distribution of water crabs and crab boxes for crab fattening

- **Technology transfer and training:** Tailored training programme suitable for specific target with local technical content
- **Sustainable practices:** Established demonstration farms for providing technical guidance
- **Socio economic considerations:** Market access, Income generation, Community engagement (fisherfolk are involved in planning their type of activity, needs and concerns), Gender equality (Ensured participation of women and marginalized groups to have access for resource and training), Food security & Employment creation
- **Funding agency:** PMMSY
- **Total Trainees:** 500 (2025)

MAJOR EVENTS (2024-25)



IIS 2024

Industry Institute Summit – Fostering Relationships & Forging Connections



FAPTN'24

Consultative workshop on Fisheries and Aquaculture Production in Tamil Nadu: Status and Way Forward



Technology Release'25

TNJFU-Technology Release programme f 18 technologies & launch of CMR Vannamei Shrimp Feed

MAJOR EVENTS (2024-25)







IFSISC'25

1st Indian Fisheries Students Innovation & Startup Conference (IFSISC 2025) on "Reimagining Indian Fisheries @ 2047"

Alumni Meet 2025

TNJFU Alumni Meet to reconnect, reminisce and engage in stimulating discussions with professionals and experts

NABL Gunvatta Yatra

NABL in collaboration with TNJFU hosted Gunvatta Yatra on NABL Accreditation and its Benefits

MAJOR EVENTS (2024-25)



PONSHRIMP'24

National Workshop "PONSHRIMP' 24" on "Striking a balance between the export market & domestic consumption of Shrimp"



Pearl Aqua 2024

National Workshop "Pearl Aqua 2024" on "Health Management in Shrimp Aquaculture – Current Trends & Perspectives"

MAJOR EVENTS (2024-25)



KISAN MELA

The Entrepreneurs developed by KVK & TNJFU exhibited their products in the university campus. Ornamental fish, Indian major carps, Pacu, chicks and goat were distributed to the economically weaker section of the district & certificates were issued to the value-added product producers who participated in the exhibition







The Kisan Mela was conducted on 18.06.2025 at Tamil Nadu Dr. J. Jayalalithaa Fisheries University, Nagapattinam to mark the **14th Foundation Day** of the University.

CHIEF MINISTER INAUGURATION (2023-24)



Inauguration of Hostel Facilities (Boys & Girls) worth **Rs. 14.60 Crore** at CoFE, Nagapattinam

29.09.2023

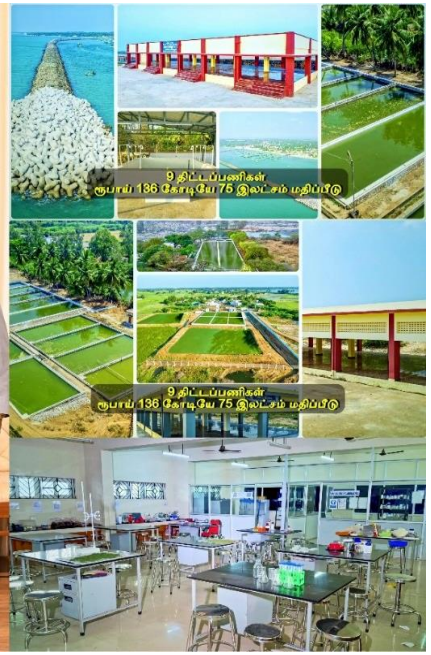


Inauguration of Hostel Block & Additional infrastructure facility (Admin Block 2nd floor) worth **Rs. 11.65 Crore** at FC&RI, Thoothukudi and Dr. MGR FC&RI, Thalainayeru

04.01.2024

CHIEF MINISTER INAUGURATION (2024)





Inauguration of Hostel Block (Dr. MGR FC&RI, Ponneri) and Loach Breeding Centre (Theni CeSA) worth **Rs. 6.94 Crore**

08.03.2024



Inauguration of Farmers Training Hostel worth **Rs. 12.82 Crore** at TNJFU (HQ), Nagapattinam

20.08.2024

CHIEF MINISTER INAUGURATION (2024)





Inauguration of **Farmers Training Centre & Hostel, Fish Processing Incubation Centre and Marine Engineering Workshop** at Dr. MGR FC&RI, Thalainayeru by the Hon'ble Minister for Fisheries & Fishermen Welfare and Animal Husbandry and the Hon'ble Minister of Law

10.01.2024

VICE CHANCELLOR INAUGURATION (2024-25)





Inauguration of **“Land-based Seaweed Culture Unit”** established at Ariyaman Beach Campus of TNJFU under the **NADP project**

28.06.2024





Inauguration of **“Mud crab hatchery”** established at Pazhaverkadu under the **PMMSY Scheme**

29.01.2025

NEW INITIATIVES (Implemented)

1. **Technology Innovation Fellowship (TIF)** – Encourage Faculty to develop technologies, file patents, and commercialise them.

2. **International Relations Cell** – To facilitate the admission of foreign students, strengthen alumni connections, promote student and faculty exchanges.

3. **University Placement Cell** – To inform students about placement opportunities and coordinate campus recruitment drives to ensure 100% placement.

4. **Patent Cell** – Exclusively to facilitate the faculty for patent filing and patent publishing in the coming years.

5. **IIS'24 (Industry Institute Summit)** – To strengthen academia-industry relations & collaborations for joint research, tech. transfer, CSR funding etc.

6. **FAPTN'24** – Consultative workshop to develop strategies for increasing the Fisheries and Aquaculture Production in Tamil Nadu.

7. **IFSISC (2025)** – National level conference to drive fisheries innovation and nurture startup culture among the fisheries graduates of the country.

8. **Skill training programs** – Sea safety, net mending, aquaculture, seaweed, & fish-based products to 1,000 individuals with funding support from TNSDC/ Naan Mudhalvan Finishing School/ Kalaignar Kaivinai Thittam.

NEW INITIATIVES (Implemented)

9

New AICTE Approval – B.Tech. (Biotech), B.B.A and M.B.A. courses offered by TNJFU have been approved by the All India Council for Technical Education.

10

B.F.Sc. Intake Strength – The B.F.Sc. admission strength has been increased from 166 to **180**.

11

TNJFU UG Admission – The UG admission process is once again independently managed by TNJFU starting from the academic year 2025-26.

12

Introduction of PG courses – M.F.Sc. in Aquaculture, FRM, and FPT disciplines have been introduced in Dr. MGR FC&RI, Thalainayeru.

13

Student Research Publications – Student research papers has to be published in high-quality Scopus/ Web of Science journals.

14

Ph.D. Research Focus – Importance is given for Ph.D. research works resulting in new technologies & patents.

NEW INITIATIVES (To be Implemented)

1. **TNJFU Fish Cart Portal** – To facilitate the farmers and public to purchase fish seeds, live feeds, feeds, fish products, seaweed-based products, and other saleable items.

2. **Research Projects Drive and Revolving Fund Schemes** – To acquire more research projects from various external funding sources as PIs & Co-PIs & approval of more RF schemes to enhance university's income generation.

3. **IWAN** – International workshop to focus on shrimp and fish nutrition strategies by bringing together experts, researchers & industry professionals.

4. **ICAR Approval** – For M.F.Sc. and Ph.D. (Fish Pharmacology & Toxicology and Fish Quality Assurance & Management courses).

5. **IFSISC 2026** – The second Indian Fisheries Students Innovation and Startup Conference will be organised.

6. **Starting Of New Courses** – M.F.Sc. In Fish Physiology, Biochemistry and Ph.D. in Fisheries Extension.

7. **Fisheries Training Centre, Krishi Vigyan Kendra & Fisheries Polytechnic College** – FTC is planned to be established in Tiruvannamalai while KVK & Fisheries Polytechnic College in Tirunelveli with funding support from central & state government, respectively.

8. **NABL accreditation** – Major laboratories will undergo accreditation to enhance research quality and deliver high-quality services to farmers & industry.

9. **PM-MKSSY** – TNJFU as the Lead agency to provide verification & monitoring services for formalization of the fisheries sector through the NFDP and supporting micro & small fisheries enterprises.

10. **ICAR 6th Deans Committee Report** – From the academic year 2025-26, the ICAR 6th Deans committee recommendations will be implemented.



TNJFU

Tamil Nadu Dr. J. Jayalalithaa Fisheries University

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