TAMIL NADU Dr.J.JAYALALITHAA FISHERIES UNIVERSITY

UNIVERSITY NEWSLETTER

TNJFU

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Editor-in-chief
Dr. **N.Felix** Ph.D.,
Vice-Chancellor

Editor
Dr. **P.Padmavathy** Ph.D.,
Director of Extension Education

Committee Members
Dr. **P.Umamaheshwari**
Assistant Professor
Dr. **N.Muralidharan**
Assistant Professor
Mrs. **S.J.Abisha Juliet Mary**
Assistant Professor



From the Desk of Vice - Chancellor ...

Dear Readers,

World Tuna Day, observed on May 2, advocates for sustainable fishing methods and brings attention to the pressing problems affecting tuna species. Tuna is a vital food for human health since it is abundant in omega-3 fatty acids, vitamin B12, and proteins, making it essential for food security, especially in coastal nations. The global tuna industry, valued at over $42 billion annually, plays a major role in the blue economy. Tuna accounts for 8% of globally traded seafood and 20% of the value of all marine fisheries. As a result of their considerable contributions to food security, economic growth, and the livelihoods of communities all over the world, tuna and tuna-like species are vital to the global economy and food supply. However, tuna stocks are under a great deal of strain due to the expanding market demand. The most recent data indicates that only two of the 23 tuna stocks are still overfished. The fact that 33.3% of the seven major tuna species are currently being fished at levels that are biologically unsustainable is alarming and emphasises the serious need for international cooperation and conservation measures.

The tuna fishery is a significant contributor to India's economy, as India exported 51,626 tonnes of tuna worth $87.96 million in 2023-24, mostly from nearshore neritic tuna species. As India has an EEZ of 2.02 million sq. km and a long coastline of 11099 km with an estimated marine potential of 5.31 MMT, there is an enormous scope and potential for harnessing high-valued tuna and tuna-like species in the Indian EEZ. India's first tuna fishing harbour equipped with modern facilities worth Rs 272.70 cr in Tamil Nadu and the development of a Tuna Cluster in the Andaman & Nicobar Islands notified by the Department of Fisheries, GoI, are poised to boost global competitiveness in tuna fisheries. India's tuna fishery expansion will improve the employment scenario in the fisheries sector. In addition to creating a cadre of competent tuna fishermen, the deployment of a sustainable tuna fishing fleet will ensure constant job opportunities. India's tuna fishery faces both opportunities and challenges. Overfishing, habitat degradation, and illegal fishing practices pose threats to the sustainability of tuna stocks. For this priceless marine resource to be preserved for future generations, sustainable management practices and a comprehensive fisheries management framework are crucial.

Dr. N. Felix, Ph.D.,
Vice-Chancellor

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Director of Extension Education
Tamil Nadu Dr.J.Jayalalithaa
Fisheries University
Vettar River View Campus,
Nagapattinam - 611 002
Phone : 04365 256434 / 436
Email : dee@tnfu.ac.in

VC EVENTS

Farewell Function at Raj Bhavan, Chennai



Hon'ble Vice-Chancellor participated in the farewell function held at Annapurna Hall, Raj Bhavan, Chennai on 14.05.2025.

MoU Signing with TNAPEx





Memorandum of Understanding (MoU) was signed between Tamil Nadu Dr. J. Jayalalithaa Fisheries University, Nagapattinam and Tamil Nadu Food Processing and Agri Export Promotion Corporation, Chennai (TNAPEx) on the forenoon of 20.05.2025 at the Chamber of Secretary, MSME Department, Secretariat, Chennai in the presence of the Hon'ble Vice-Chancellor, TNJFU and the Secretary, MSME, Chennai for collaboration between the parties to drive innovation, sustainability, and efficiency in the agriculture and food processing sector. Dr. N. Jayakumar, Director of Research i/c, TNJFU and Dr. K. Alagasundaram, MD & CEO, TNAPEx, signed the MoU.

College News

Fisheries College & Research Institute, Thoothukudi

Naan Mudhalvan Finishing School Programme on "Boat Driver License Certificate Course"



Department of Fishing Technology and Fisheries Engineering (DFT&FE) organized a one week on-campus training programme on "Boat Driver License Certificate Course" (05.05.2025-12.05.2025) under Naan Mudhalvan Finishing School Programme. The Valedictory function was held on 13.05.2025. Dr. T. Ravikumar, Programme Co-ordinator, welcomed the gathering. Dr. B. Ahilan, Dean, FC&RI, Thoothukudi, highlighted the importance of the course and the support provided by TNSDC for conducting this course.



Thirumathi. N. Chandra, Joint Director, Department of Fisheries and Fishermen Welfare, Thoothukudi, served as the Chief Guest and distributed Boat Driving Licences to 20 fishermen. Mr. S. Mariappan, AP, proposed the vote of thanks.

Kalloori Kanavugal program at SCAD College of Engineering and Technology, Cheranmahadevi



Ms. M. Geetha, AP (C), DFEES, participated in the Honourable Chief Minister's Kalloori Kanavugal program and provided a lecture on the courses offered by TNJFU, admission procedures and career opportunities in fisheries, conducted on 14.05.2025 at SCAD CET, Cheranmahadevi. A total of 150 school students in and around the Tirunelveli district benefited from this program.

Pledge on "Anti-Terrorism Day"



The institute organised Anti-terrorism day pledge on 21.05.2025.

Training program on "Freshwater ornamental fish culture":





Department of Fisheries Extension, Economics and Statistics, in collaboration with the Department of Agriculture, Erode, under ATMA organised a Training programme on "Freshwater ornamental fish culture" (29.05.2025-30.05.2025). The training covered commercially important freshwater ornamental fishes, breeding techniques, water quality management and disease control, followed by a farm visit.



Dr. B. Ahilan, Dean, FC&RI, Thoothukudi, encouraged the trainees to start ornamental fish culture. This was organized by Dr. G. Arul Oli, AP & Head i/c. The programme benefited to 60 trainees.

Naan Mudhalvan Finishing School Programme on "Boat Driver License Certificate Course"





DFT&FE organized a one week **on-campus training programme on "Boat Driver License Certificate Course" (23.05.2025-30.05.2025).** 22 fishermen from Kanyakumari district participated. The valedictory function was held on 31.05.2025. Mr. S. Mariappan, AP coordinated this event. Thiru. Chinna Kuppan, Deputy Director, Department of Fisheries and Fishermen Welfare, Nagercoil, served as chief guest and issued Boat Driving Licences to 22 fishermen. Tmt. V. Deepa, Assistant Director, Chinna Muttom, delivered the presidential address. Thiru. K. Lakshmi Kanthan, Assistant Director, delivered the felicitation address. Er. A. Antony Michel Prabhakar, DFT&FE, Assistant Engineer, delivered the vote of thanks.

Dr. M.G.R Fisheries College and Research Institute, Ponneri

2-weeks national level collaborative training held at Dr. MGR FC&RI, Ponneri





Department of Fisheries Extension, Economics and Statistics (DFEES) of TNJFU-Dr. MGR FCRI, Ponneri campus, in collaboration with the Indian Fisheries Association (IFA) c/o ICAR - CIFE, Mumbai, conducted a two-week national-level collaborative training programme on "Data Analytics for Research in Fisheries Social Sciences (DAReFIS)" during 2-13, May 2025. The training had 18 technical lectures and relevant practical sessions customised for researchers in Social Science & Fisheries. In addition, the trainees visited Pulicat Lake and BoBP-IGO, Chennai. 18 trainees from various states of our country participated in the programme.



Students' participation in the IoT Training programme









UG, PG and Ph.D. students (50) of this institute attended a two-week training programme on Internet of Things (IoT) held at Government Industrial Training Institute (Govt. ITI), Ambattur, during 05.05.2025 to 16.05.2025 and 19.05.2025 to 30.05.2025 as two different batches with the funding support of ICAR-DG. Dr. D. Kaviarasu and Mr. D. Arun Jenish, Asst. Profs. of DAAHM and DFT&FE, respectively, accompanied the students for this training programme.

Training program on Boat Driver License Certificate Course





Department of Fishing Technology and Fisheries Engineering of TNJFU - Dr. M.G.R. FC&RI, Ponneri campus, organised a seven-day training program titled "Boat Driver License Certificate Course" (05.05.2025-12.05.2025) funded by the Tamil Nadu Skill Development Corporation (TNSDC). A total of 23 fishermen from Royapuram, Chennai, participated. The training program was inaugurated by the Joint Director of the Fisheries and Fishermen Welfare Department. The Assistant Director of TNSDC, Assistant Director of the Fisheries and Fishermen Welfare Department, Dean, Dr. MGR FC&RI, Ponneri and the faculties of DFT&FE attended the inaugural session. Hands-on training sessions were conducted by the experts, followed by an evaluation conducted on 13.05.2025.





Pledge on Anti-terrorism Day



The institute organised the Anti-terrorism day pledge on 21.05.2025.

Dr. M.G.R Fisheries College & Research Institute, Thalainayeru

Certificate Course on Boat Driver's License








Seven-days Certificate Course on Boat Driver's License was conducted at the Management Office, Department of Fisheries and Fishermen Welfare, Nagapattinam (15.05.2025-22.05.2025) under Naan Mudhalvan Scheme, funded by TNSDC, Chennai and coordinated by DFT&FE, Dr. MGR FC&RI, Thalainayeru. Mr. V. Durai, AP, coordinated the program. Boat Driver's Licenses were issued to the 20 trainees by Dr. V. Rani, Dean (i/c), Dr. MGR FC&RI, Thalainayeru and Mr. G. Jayaraj, Assistant Director, Department of Fisheries and Fishermen Welfare, Nagapattinam.

Hands-on Training in Molecular Techniques and Their Applications



The Department of Fish Pathology and Health Management conducted a three-day hands-on training program on "Molecular Techniques and their Applications in Fish Pathology" (27.05.2025- 29.05.2025). Nine postgraduate scholars in Marine Biology participated, gaining skills in DNA extraction, PCR, and Bioinformatics. A training manual - "Molecular Techniques and Its Applications in Fish Pathology" and three pamphlets on DNA Extraction, Histopathology of Fish and Shellfish, and Bioinformatics were released by the Dean i/c. The program was coordinated by Mrs. S.J. Abisha Juliet Mary, AP & Head i/c. (DFPHM).

Training on "Culture practices of Genetically Improved Farmed Fish Species such as GIFT, Jeyanthi Rohu and SPF vannamei"




Department of Aquaculture organised a training on "Culture practices of Genetically Improved Farmed Fish Species such as GIFT, Jeyanthi Rohu and SPF vannamei" on 19.05.2025. 4 participants, including farmers, technicians and research scholar from Nagapattinam, attended and gathered insights into genetically improved fish species culture techniques. Training manuals and certificates were distributed and feedback was collected to assess the effectiveness of the programme.

NSS Special Camp - 2025

The Self-Financing NSS Unit of Dr. M.G.R. FC & RI, Thalainayeru, organised a five-day NSS Special Camp (02.05.2025-06.05.2025) at Oradiyampulam, Nagapattinam. 51 students (2021–22 batch) cleaned public areas such as the bus stand, temple, government school, college campus and conducted tree plantation programs. 50 tree saplings (Pungan and Teak) were planted. Dr. S. Kesavan Asst, Prof. coordinated this event.






Career Guidance under Naan Mudhalvan "Kalloori Kanavu"




Dr.M.G.R. FC&RI, Thalainayeru, participated in the Career Guidance Programme under Naan Mudhalvan Kalloori Kanavu at E.G.S. Pillai College of Engineering, Nagapattinam on 16.05.2025. The achievements and career opportunities within TNJFU were highlighted to the 12th- grade students. Dr. S. Kesavan coordinated the event.

Pledge taken on "Anti-Terrorism Day"- 2025



48 staffs of Dr. M.G.R FC & RI, Thalainayeru observed Anti-Terrorism Day on 21.05.2025.

College of Fisheries Engineering, Nagapattinam

Active Entrepreneurship Awareness Conference

Mr. V. Vijayarahavan (AP), METRO, CoFE, delivered a lecture on 'Scope of Entrepreneurship Opportunities in Fisheries' at the Active Entrepreneurship Awareness Conference, organised by Adidravidar Confederation of Trade and Industrial Vision at VPN hotel, Velankanni, on 14.05.2025.




"NAAN MUDHALVAN SCHEME - 2025"




"Naan Mudhalvan Scheme - 2025" at EGS Pillai Engineering College, Nagapattinam was organised by Nagapattinam District Collectorate and Department of Education on 16.05.2025. Mr. V. Vijayarahavan Assistant Professor represented and explained about the University's introduction, mandates, courses, scholarships, and job opportunities of the TNJFU to 12th- grade students of Nagapattinam District.

"NAAN MUDHALVAN SCHEME - 2025"




"Naan Mudhalvan Scheme - 2025" at Central University, Thiruvarur was organised by Thiruvarur District Collectorate and Department of Education on 16.05.2025. Dr. M. Kamalakannan (AP), represented on behalf of TNJFU and explained the University's introduction, mandates, courses, scholarships, and job opportunities to 12th- grade students of Mannarkudi and Thiruvarur dt.

"NAAN MUDHALVAN SCHEME - 2025"



"Naan Mudhalvan Scheme - 2025" at Dharmapuram Arts College for Women, Mayiladuthurai was organized by Mayiladuthurai District Collectorate and Department of Education on 16.05.2025. Dr. P Karthickumar (AP), represented for TNJFU, explaining the University's introduction, mandates, courses, scholarships, and job opportunities to 12th- grade students of Mannarkudi and Thiruvarur dt.

OBSERVANCE OF ANTI-TERRORISM DAY - 2025




College of Fisheries Engineering, TNJFU, Nagapattinam observed the Anti-Terrorism Day. The pledge was taken by Dr. K. Ravaneswaran, Dean i/c, CoFE, followed by teaching, non-teaching staffs of CoFE. This pledge was co-ordinated by Dr. M. Ramar, AP, CoFE.

"NAAN MUDHALVAN SCHEME - 2025"




"NAAN MUDHALVAN SCHEME - 2025" at ARJ Engineering College and Technology, Mannarkudi, was organised by Thiruvarur District Collectorate and Department of Education on 21.05.2025. Mr. V. Vijayarahavan (AP), represented for TNJFU and explained the University's introduction, mandates, courses, scholarships, and job opportunities to 12th- grade students of Mannarkudi and Thiruvarur dt.

Seafood exhibition show 2025




Mr. V. Vijayarahavan (AP) attended and displayed the fish and fishery products at "Seafood Exhibition Show- 2025" at Island Grounds, Chennai (29.05.2025 - 01.06.2025).

Institute of Fisheries Postgraduate Studies, Vaniyanchavadi-Chennai

Anti-Terrorism Day Pledge




Anti-Terrorism Day pledge was administered to the staff of IFPGS/IFBT, Vaniyanchavadi, and TNJFU-Fisheries Business School at DIVA campus on 25.01.2025.

B.Tech., Biotechnology students' visit to the National Institutes

Final year B.Tech., Biotechnology students (2021-2022 batch) accompanied by Mrs. Sheena K Baby and Dr. E. Suresh, AP of TNFJU OMR Campus visited National Institute of Animal Biotechnology, Hyderabad; Central Institute of Fisheries Education, Mumbai; Indian Veterinary Research Institute, Mukteshwar Campus; National Institute of Immunology, New Delhi; National Institute of High Security Animal Diseases, Bhopal; Centre for Cellular and Molecular Biology, Hyderabad.





Tamil Week Celebrations: Tamil Debate competition



A debate competition was organised for BBA and MBA students at the Fisheries Business School on 02.05.2025. 10 students actively participated in the competition, presenting diverse perspectives and showcasing their oratory skills. The competition featured engaging arguments, thoughtful discussions, and commendable articulation. The event concluded with appreciation for the participants, highlighting their vibrant contribution to celebrating Tamil heritage and culture.

Visit of Dr. N. Subbaiyan, IAS, Secretary to the Government, AHDF&FWD



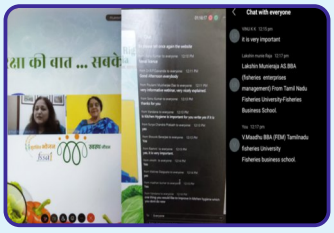




Dr. N. Subbaiyan, IAS, Secretary to the Government, Animal Husbandry, Dairying, Fisheries and Fishermen Welfare Department, Govt. of Tamil Nadu visited IFPGS, Vaniyanchavadi, Chennai on 10.05.2025. He inspected the infrastructure of the institute and interacted with the teaching and administrative staff of IFPGS, IFBT and FBS.

Online Webinar-Session 9 of the Ayushman Bhav Samvaad Series





33 students [BBA & MBA] and 5 faculties from the Fisheries business school participated in the online Webinar-Session 9 of the Ayushman Bhav Samvaad Series titled “Food Safety Alert: Cross-Contamination in Your Kitchen” organised by FSSAI on 24.05.2025. The webinar aimed to raise awareness on the risks of cross-contamination in both household and commercial kitchens. Eminent speakers from food science, culinary arts, and regulatory bodies enriched the session with expert insights.

Participation in an online training program on the POSH Act 2013

6 faculty members and 6 students from IFPGS, IFBT, and FBS participated in an online training program on the POSH Act, 2013, and UGC Regulation, 2015, held on 31.05.2025 (10:30 PM). The faculty participants included Dr. A. Jemila Thangarani, Dr. Amit Ranjan Dr. V.K.D. Krishnaswamy, Dr. N. Hemamalini, Dr. Bhoomika and Dr. Varatharajan. All the participants reported that the training program was informative and useful.

Directorates

Directorate of Extension Education, Nagapattinam

Awareness Programme







KVK, Nagapattinam conducted Viksit Krishi Sankalp Abhiyan-Pre Kharif Awareness Programme during 29.05.25-12.06.25 across 67 panchayat villages in Nagapattinam District. The programme was inaugurated at Sangamangalam village by Dr. P. Padmavathy, DEE, TNJFU, with Dr. A. Gopalakannan, Programme Coordinator, KVK, explaining its objectives. Farmers were sensitised to various topics. Central and State schemes in agriculture and allied sectors were also highlighted, along with demonstrations of drone applications. Animal health camps were additionally organised. In the awareness programme, Subject Matter Specialist from KVK Mr. E. Hino Fernando, Dr. K. Chandrasekar, Dr. V.Kannan, Dr. A. Mathivanan, Mr. K. Ragu, Dr. M. Arivazhagan, Mr. R. Vedharethinam, Farm Manager, Mr. V. Gnanabharathi, Programme Assistant (Technical) and Scientist Deputed from CIBA, Chennai were Dr. Buvaneshwari, Dr. Sathishkumar, Mr. Anandaraja, Mr. Karthikkumar, Assistant Professor, CoFE, Deputed from the TNJFU, imparted technical knowledge to the farmers.

Directorate of Sustainable Aquaculture, Nagapattinam

TN-IAMP Documentation Team Visit to KBCeSA, Barur





On 2nd May 2025, the documentation team from MDPU visited KBCeSA, Barur to record TN-IAMP scheme activities. Th. R. Somu Sunder Lingam (AP) provided a detailed overview of the Centre's initiatives and achievements. The team captured visuals of F1 GIFT brooder collection and concluded with a discussion on future action plans.

Erode Bhavanisagar CeSA

KUFOS Internship Programme





8 students from KUFOS underwent a 20-day internship at EBCeSA (29.04.2025 - 18.05.2025). The hands-on training covered brood fish handling, Indian Major Carp breeding, pond and aquarium maintenance and aquaponics. The students were issued participation certificates.

Theni CeSA
Training on Loach Fish Culture




Theni CeSA organised a one-day training on 28.05.2025 for 18 farmers. Sessions covered on loach seed selection, sex differentiation, disease management and rearing practices, along with live demonstrations. Certificates were distributed to the participants.

Loach Awareness Training with CENDECT-KVK




On 13.05.2025, Theni CeSA and CENDECT-KVK conducted loach farming awareness program for 19 farmers. Th. P. Velmurugan, AP, delivered the lectures on optimal pond conditions, reproductive biology, and practical aspects of loach farming. Programme Coordinator Th. P. Maheswaran highlighted support schemes available to farmers.

Thanjavur CeSA
Farmers' Visit from Ariyalur to TCeSA, Thanjavur




On 06.05.2025, 53 farmers visited TCeSA under the SSEPERS-ATMA scheme. Mr. Manickavasagam (AP) delivered a session on inland fish culture. Farmers toured the labs, observed testing equipment and gained insights into scientific aquaculture practices.

Tourist Visit to TCeSA, Thanjavur




On 18.05.2025, 18 tourists from various cities visited TCeSA through the Thanjavur Tourism Promotion Council. They visited the Centre's labs, ponds, aquaponics unit ornamental units and learned about aquaculture practices.

Farmers' Visit from Kancheepuram to TCeSA




On 29.05.2025, 25 farmers visited TCeSA as part of ATMA exposure program. Mrs. B.R. Sona (AP) gave a lecture on Composite Fish Culture. The farmers toured the water quality lab, aquaponics unit, and ponds, learned about aquaculture practices.

Trichy CeSA
STRY-MANAGE ATMA Training at Trichy CeSA




A six-day training program on freshwater fish farming was held at Trichy CeSA (12.05.2025-17.05.2025). Twenty-eight participants attended lectures on pond construction, feeding, water quality, and disease management. Sessions on tilapia farming and government schemes were delivered by Dr. Somu Sunder Lingam and officers from the Fisheries Department.

Directorate of Incubation And Vocational Training in Aquaculture, Muttukadu-Chennai
Sairam Homoeopathy Medical College visited DIVA



150 students and 6 staff from BHMS, BSMS and BAMS of Sri Sairam Homoeopathy Medical College in Tambaram visited DIVA on 28.05.2025. The students toured the aqua feed mill, the Recirculating Aquaculture System (RAS), the shrimp culture area, the aquaponics, ornamental unit and laboratory. The faculty explained the facilities of DIVA and the usage of fish as models for medical research.

Farmers' exposure visit to DIVA

50 farmers of Padapai block, Kancheepuram, visited DIVA on 26.05.2025. A lecture on “Composite Fish Culture” was given by the DIVA faculty. The farmers had exposure to Aqua Feed Mill, RAS, shrimp culture, aquaponics, and ornamental unit.

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Book - Post

From :
Director of Extension Education
Tamil Nadu Dr.J.Jayalalitha
Fisheries University
Vettar River View Campus,
Nagapattinam - 611 002.

B. Voc students participated in the Chennai Fish Seafood Show & Prawn Fest 2025





20 B.Voc students, including 6 volunteers from PPIAT, Muttukadu, participated in Chennai Fish Seafood Show & Prawn Fest 2025, organised by Department of Fisheries & Fishermen Welfare, at Island Grounds, Chennai (30.05.2025-01.06.2025). The event featured a variety of seafood stalls, cooking demonstrations, culinary contests, PRAWN-A-THON (mini-marathon), on May 31, and students participated in the marathon.

Directorate of Incubation And Vocational Training in Fisheries, Ramanathapuram

Training program on the "Boat Driver License Certificate Course"

The Directorate of Incubation and Vocational Training in Fisheries (DIVF), Ramanathapuram, has organised a week-long training Program on "Boat Driver License Certificate Course" from 06.05.2025 to 13.05.2025 with the funding of Tamil Nadu Skill Development Corporation (TNSDC), Chennai, under the Naan Mudhalvan Finishing School scheme. 24 fishermen from the Ramanathapuram district participated in the training program.











Superannuation



Mr. C. Navaneethakrishnan, Principal, Paraprofessional Institute of Fisheries Technology, Madhavaram, TNJFU, retired on 31.05.2025. He put up in a total service of 35 years and two months.

Research Publications

A. Velmurugan, P. Chidambaram, P. Velmurugan, S. Gokul, R. Somu Sunder Lingam Influence of water pH and temperature on breeding and embryo development of Indian spiny loach (Lepidocephalichthys thermalis) Animal Reproduction Science 278 (2025) 107859 [NAAS Rating: 8.20]

"சோதனை கடந்து சுதந்திரம் அடைந்தோம்
சாதனை புரிந்து சரித்திரம் படைப்போம்."