

**UNIVERSITY**

# NEWSLETTER

**TNJFU**

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Assistant Professor and Head

## *From the Desk of Vice-Chancellor.....*



Dear Readers,

I am extremely grateful to all my staff and postgraduate students who contributed to making the 12<sup>th</sup> Indian Fisheries and Aquaculture Forum a grand event to remember with satisfaction. The organizing team did the planning meticulously with the inputs from the Asian Fisheries Society-Indian Branch especially those from its Chairman. One important factor that helped us accomplish the task is the delegation of responsibilities and the decision-making process to the Chairman of individual committees which facilitated the organization process smoothly and effectively. The chairmen of committees, realizing their responsibilities geared up with their committee members and were comfortable at all stages of execution, efficiently sorting out issues that cropped up during planning, at the venue and during the conduct of the forum. I deliberately avoid mentioning anyone in particular, for it is all the result of teamwork and everyone is to be acknowledged. Technically, the 12<sup>th</sup> IFAF should be rated a huge success; with 741 registered delegates presenting their original research in ten technical sessions, over nine lead presentations by international experts online and 10 lead presentations by national experts delivered physically. Besides, there were four parallel events co-organized by the BoBP, NFDB, SAP and GAFS bringing more relevance to the event in fulfilling the sectoral needs. All our national fisheries research institutions gave us rock-solid backup with active participation and we remain ever grateful for the support rendered by the Directors of CMFRI and CIBA.

My dear colleagues, you have done this, not for you but to fulfill the commitment of the University and because of your untiring efforts, I, as Convener, could stand accomplished, just as the way Issac Newton said, "If I have seen further, it is by standing on the giants". There were a few criticisms from unexpected quarters, but that will not deter us, as we take them positively. We organized the 12<sup>th</sup> IFAF at a time when there were more uncertainties due to the deadly pandemic, could not gauge the response from delegates, and could not garner big sponsorships; yet with the sheer commitment of our staff and students, we did it. It is no small accomplishment. You made our University proud.

*"It is not the critic who counts, not the man who points out how the strong man stumbled, or where the doer of deeds could have done them better. The credit belongs to the man who is actually in the arena; whose face is marred by dust and sweat and blood; who strives valiantly; who errs and comes short again and again; who knows the great enthusiasms, the great devotions, and spends himself in a worthy cause; who, at the best, knows in the end, the triumph of high achievement; and who, at worst, if he fails, at least fails while daring greatly, so that his place shall never be with those cold and timid souls who know neither victory nor defeat" - Teddy Roosevelt.*

Let us continue our journey and move on.

**Dr. G. Sugumar, Ph.D.,**  
Vice-Chancellor

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## VC EVENTS

Inauguration of the 12<sup>th</sup> IFAF:

Tamil Nadu Dr. J. Jayalalithaa Fisheries University, Nagapattinam hosted the 12<sup>th</sup> Fisheries and Aquaculture Forum at Indian Bank Management Academy for Growth and Excellence (IMAGE), Chennai during 5 – 7 May 2022. Hon'ble Governor of Tamil Nadu and Chancellor of TNJFU Thiru. R. N. Ravi inaugurated the forum on 05.05.2022 and in his address emphasized how well the Fisheries sector could contribute to the national building. The Hon'ble Minister of Fisheries, Animal Husbandry and Dairying, Govt. of India, Shri. Parshottam Rupala delivered a special address describing the role of the Union government's initiatives on fisheries development. The Hon'ble Minister for Fisheries – Fishermen Welfare and Animal Husbandry, Government of Tamil Nadu, Thiru. Anitha R. Radhakrishnan was the Guest of Honour and in his address talked about the proactive role of the state government in the development of fisheries. Mr. T.S Jawahar, IAS, Additional Chief Secretary, Animal Husbandry, Dairying and Fisheries and Fishermen Welfare, Government of Tamil Nadu delivered the felicitation address. The Deputy Director General (Fisheries), ICAR, Dr.J.K.Jena declared open the exhibition in the forum. Dr. G. Sugumar, Vice-Chancellor, Tamil Nadu Dr. J. Jayalalithaa Fisheries University, Nagapattinam welcomed the gathering and highlighted the importance of the forum. The Secretary of Asian Fisheries Society – Indian branch Dr. P. Kesavanath proposed the vote of thanks.

Valedictory function of 12<sup>th</sup> IFAF:

The valedictory function of the 12<sup>th</sup> Fisheries and Aquaculture Forum was held on 07.05.2022. Over 740 delegates from various Central and State fisheries research institutes participated and presented their research findings in the technical sessions organized viz., aquaculture production, fish and shellfish nutrition and feed technology, aquaculture genetics, breeding and biotechnology, aquatic animal health management, aquatic environment management, aquatic biodiversity, stock assessment and conservation, aquatic food safety and quality, aquatic food processing, product development, value addition and packaging, fishing technology and fisheries engineering, socio-economics, fisheries policy, capacity building, livelihood and ICTs in fisheries. Besides the technical sessions, four parallel events namely the Bay of Bengal Programme (BOBP)'s International Symposium on "Insurance in Marine Fisheries", a session on "Gender in Fisheries and Aquaculture", Society of Aquaculture Professional's programme on "Industry expectations from the Professionals" and NFDB sponsored "Fish Farmers Meet" were also organized making the event even more significant.

In the valedictory function, Dr. A. Gopalakrishnan, Director, CMFRI, Kochi, Dr. J. K. Jena, DDG (Fisheries), ICAR, New Delhi and Dr. K. Riji John, VC, KUFOs, Kerala participated as Guests of Honour. Awards and certificates for TNJFU Excellence, Best oral paper and poster presentations, Best Exhibition stalls and Appreciation awards were presented. Dr.G.Sugumar, Convener and Vice-Chancellor of Tamil Nadu Dr.J.Jayalalithaa Fisheries University, Nagapattinam delivered the vote of thanks.





### **“Boomi Pooja” at TNJFU:**

The Hon'ble Vice-Chancellor, TNJFU participated in the “Boomi Pooja” for the construction of the Instructional Farm (Brackish water) for Dr.M.G.R. Fisheries College and Research Insititute, Thalainayeru at TNJFU Campus, Nagapattinam on 11.05.2022.



### **University Officers Meeting:**

The Hon'ble Vice-Chancellor, TNJFU conducted the 53<sup>rd</sup> University Officers meeting at the Board Room, TNJFU, Nagapattinam on the forenoon of 12.05.2022.



### **12<sup>th</sup> IFAF – Post-Conference meeting:**



The Hon'ble Vice-Chancellor, TNJFU conducted the 12<sup>th</sup> IFAF – Post-conference meeting with all the University Officers, Committee Chairmen of the 12<sup>th</sup> IFAF at the Board Room, TNJFU, Nagapattinam

on the afternoon of 12.05.2022.

### **Delivered Graduation Day address:**

The Hon'ble Vice-Chancellor participated as Chief Guest in the Graduation Day of Thiyaagi Dharmakkal Amirtham College of Education, Kannirajapuram, Ramanathapuram on 14.05.2022, awarded degree certificates, and delivered the Graduation Day address to the young graduates.



### **Inauguration of Skill Development Training Programme:**

Fisheries College and Research Institute, Thoothukudi organized a 3-day (16.05.2022 to 18.05.2022) Skill development training programme on “Entrepreneurship in Marine



Products” under the Scheme EDII-Marine Products Business Incubation Forum in association with SIDBI, Chennai. The Vice-Chancellor participated in the inaugural function along with the Hon'ble Member of Parliament, Thoothukudi constituency, Mrs. Kanimozhi Karunanithi, Hon'ble Minister for Fisheries and Fishermen Welfare, Thiru. Anitha R. Radha Krishnan, Hon'ble Minister for Social Welfare and Women Empowerment, Mrs. P. Geetha Jeevan, Thoothukudi Corporation Mayor, Mr. P. Jegan, the Thoothukudi District Collector Dr. K. Senthilraj, IAS, and Mr.A.L.Ravindran, General Manager, SIDBI.



### **Attended a Meeting at Secretariat:**

The Hon'ble Vice-Chancellor participated in the review meeting conducted by the Hon'ble Chief Minister's Secretary-I at the Secretariat, Chennai on 20.05.2022.

### **Consultation Meeting organized by the UGC:**

The Hon'ble Vice-Chancellor participated in the Consultation Meeting through online for Implementation of National Higher Education Qualifications Framework (NHEQAF) organized by the UGC, New Delhi on 25.05.2022.

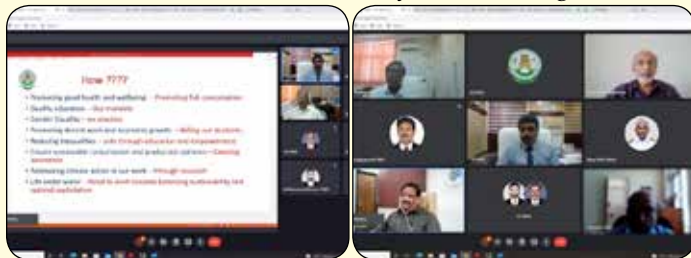
### **20<sup>th</sup> SLSC Meeting at Secretariat:**

The Hon'ble Vice-Chancellor participated in the 20<sup>th</sup> meeting of the State Level Sanctioning Committee for RKVY-RAFTAAR for approval of new projects for the year 2022-23 under the Chairmanship of the Chief Secretary to Government on 27.05.2022 at Chief Secretary's Conference Hall, Secretariat, Chennai.

### **Online Meeting on SDGs:**

The Hon'ble Vice-Chancellor conducted an online meeting on the forenoon of 31.05.2022 with all the University

Officers and faculty staff on the Sustainable Development Goals, and the role of the University in addressing them.



#### Peer Review of TANII Project proposals:



The Hon'ble Vice-Chancellor conducted a peer review of the proposals to be submitted under TANII projects for the year 2022-23 (2<sup>nd</sup> round) and a review of the ongoing

TANII projects at the Board Room, TNJFU, Nagapattinam on 31.05.2022.

#### College News

#### Fisheries College & Research Institute, Thoothukudi Participated in Grama Sabha meeting:



Participated in the Grama Sabha meeting at Malapandiayapuram on 01.05.2022, Thoothukudi District. The lectures on inland fish culture practices in public and panchayat tanks were given by Dr.G.Arul Oli, Assistant Professor and Dr.C.Judith Betsy, DAQ, Assistant Professor. This Grama Sabha awareness meeting benefited a total of 55 rural people, including 37 women and 18 men. The participants expressed their interest in freshwater fish culture and requested to conduct a special training programme on freshwater fish culture practices.

#### Organised a special lecture:

A special lecture on "Activities and Strategies followed in the Internal Quality Assurance Cell at VOC College" has been organized on 19.05.2022. In this regard, the two staff of the IQAC from V.O.Chidambaram College,



Thoothukudi delivered a special lecture for the benefit of the staff. All faculty staff and IQAC committee members participated in the programme.

#### National Webinar:

A National Level Webinar on "Sea turtle conservation strategies and its implications in India" was organized by the Department of Fisheries Biology and Resource Management through hybrid mode on 23.05.2022 in commemoration of "The World Turtle Day". The objective of the National webinar was to create an awareness on the need for the conservation of sea turtles and strategies to be followed for improving the stocks of sea turtles among the various stakeholders of the marine fisheries sector.



Mr.C. Sudhan, Assistant Professor, delivered the welcome address. Dr.R.Santhakumar, Dean (i/c), TNJFU-FCRI, Thoothukudi delivered the presidential address. In his address, he enlightened the importance of marking World Turtle Day. Dr. G. Sugumar, Vice-Chancellor, TNJFU, Nagapattinam delivered the chief guest address. He spoke on the ecosystem roles played by the sea turtles and the importance of the existence of sea turtles to the well-being of the ecosystems and human beings. He pointed out the roles of various stakeholders like fishers, scientists, teachers, students, various central and state institutes, and implementing agencies for improving the stocks of turtle species. The following eminent speakers delivered lectures and shared their experiences regarding the conservation and management of sea turtles.

1. Sea turtles resources and its conservation by Dr. R. Saravanan, Senior Scientist, Mandapam Regional Centre of ICAR-CMFRI, Mandapam.
2. Conservation and management of endangered animals & seafood trade by Mr. S. Ashokkumar, Deputy Director, MPEDA, Thoothukudi.
3. Responsible fishing operations with special reference to Turtle Excluder Device by Dr. V.R.Madhu, Principal Scientist, ICAR-CIFT, Kochi.
4. International and National initiatives taken for the conservation of sea turtles by Dr. N. Jayakumar, Associate Professor and Head, DFBRM, TNJFU-FC&RI, Thoothukudi.

The programme was attended by more than 100 registered participants belonging to research institutes, fisherfolk, seafood exporters, processors, state fisheries department officials, students etc., across the country.



Mr. R. Durairaja, Assistant Professor, Dept. of Fisheries Biology and Resource Management, proposed a vote of thanks. Dr. N. Jayakumar served as Coordinator.

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

#### **Organised Biodiversity Exhibition:**

Activities of TNJFU were exhibited in the biodiversity exhibition organized by National Biodiversity Authority at Chennai on 22.05.22. The stall was set with the theme of 'Biodiversity, Nutritional Security and Human Well-being'. Indian Union Cabinet Minister of Environment, Forest and Climate Change, Shri. Bhupender Yadav; Union Minister of State for Environment, Forest and Climate Change, Shri. Ashwini Kumar Choubey and Tamil Nadu Minister for Environment-Climate Change and Youth Welfare, Thiru. Siva V. Meyyanathan were the prominent personalities who visited the stall. In addition to it, around 500 people visited the stall and were enriched with the TNJFU activities towards the theme of the exhibition. Overall coordination for the exhibition arrangements was done by the Dept. of Fisheries Extension, Economics and Statistics.



#### **Training Programme:**

One-day training on "Diagnostic Techniques for Diseases in Aquaculture" was organized on 27.05.2022. The NFDB-PMMSY funded training was inaugurated by Dr. B. Ahilan, Dean i/c of the institute. A total number of fifty aqua farmers attended the programme. Lectures on various topics briefing about the diagnostic techniques for diseases in aquaculture were delivered to the participants. Dr. A. Uma, Professor and Head, DAAHM was the organizing secretary and Dr. A. Gopalakannan, Associate Professor, Dr. S. Saravanan, Assistant Professor, and Dr. D. Kaviarasu, Assistant Professor of DAAHM coordinated this training programme.



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

#### **Participation of staff in the Grama Sabha meeting:**

The Staff of Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru participated in the Grama Sabha meeting at Vellapallam village, Thalainayeru Block on 01.05.2022. The meeting was headed by the President, Vice-President and Secretary of the Panchayat Union. Mr. P. Yuvarajan, Assistant Professor, Department of Aquaculture has given detailed notes on strategies to increase the Inland fish production. Mr. V. Vijayarahavan, Assistant Professor, Department of Fish Processing Technology has briefed about different types of value-added fish and fishery products. During this programme 80 people and various field officials participated.



#### **Awareness Programme:**



An awareness campaign on "Conservation and Management of Marine Fishery Resources of Tamil Nadu" to fishers of Kameswaram was conducted on 27.05.2022 to create awareness to conserve

and manage the marine fishery resources. A total of 40 fishers from Kameswaram village attended the programme. Marine fishery resources of Tamil Nadu, conservation and management of marine resources in Tamil Nadu and Impacts of marine debris and microplastic on the marine environment, were delivered by Dr. A. Subburaj, Assistant Professor, Mr. S. Santhoshkumar, Assistant Professor & Head, Mr. S. Kesavan, Assistant Professor, from Department of Fisheries Biology & Resource Management. Mr. S. Santhoshkumar, Assistant Professor & Head coordinated the programme.

#### **Training Programme:**



NADP sponsored two days training programme on "Value Added Products from Farmed Shrimps" was organised on 17.05.2022 and 18.05.2022. Dr. J. Jacqueline Pereira, Dean in charge, presided over the inaugural

function and explained the status of shrimp farming. Miss. K N. Krishnaveni, Training Associate, briefed types of value-added products, packing and labeling of farmed shrimps.

Mr. V. Vijayarahavan, Assistant Professor, highlighted the nutritive value of farmed shrimps. Dr. V. Alamelu, Assistant Professor and Head, explained the quality certification and marketing of farmed shrimps' products. A total of 30 women participated in the training programme. Mr. V. Vijayarahavan, Assistant Professor coordinated the training programme.

#### Awareness Campaign:



An awareness campaign on "Responsible fishing practices and marine engine maintenance" to fishers of Kameswaram was conducted on 27.05.2022. Mr. V. Durai, Assistant Professor enlightened the

responsible fishing practices, and T. Ganaprakasam, Engine Driver (C) explained the Repair and Maintenance of Marine engines. Mr. V. Durai, Assistant Professor, DFT & FE organised the event and 40 fishermen from the Kameswaram fishing village benefitted.

#### Junior National level Tennikoit Championship:



Mr. S. Karthikraja, I year student has won the silver medal (2<sup>nd</sup> place) in the individual singles men in the National level 39<sup>th</sup> Junior Tennikoit championship held at Velammal Engineering College, Chennai from

27.05.2022 to 31.05.2022. Honourable Minister of Industry and Commerce, Mr. Thangam Thennrasu appreciated the student at the Secretariat, Chennai on 31.05.2022.

#### College of Fisheries Engineering, Nagapattinam

##### NSS Special Camp:

NSS Special Camp was conducted in Muttam village, Nagapattinam from 25.05.2022 to 31.05.2022 under the theme of Youth for Cleanliness. II and III year B.Tech. (Fisheries Engineering) and B.Tech. (Energy and Environmental Engineering) students participated in this camp. The camp also included events such as Anti-tobacco rally, anti-plastic rally, training on value-added fishery products, awareness on higher education and job opportunities in fisheries, wealth from waste, cleaning of temples, and cultural programmes, and Thirukkural competition. The special camp was inaugurated



by Dr. N. Manimehalai, Dean i/c, and Mr. Manokaran, Panchayat President Muttam delivered Special Address. The NSS Special Camp and UBA activities were co-ordinated by Dr. M. Ramar and Dr. D. Kesavan, NSS Programme Officers and Assistant Professors.

#### Orientation Programme/Expert Talk:

College of Fisheries Engineering, Students' association invite experts from different fields to deliver a talk on **Job Prospects and Higher Study opportunities for B.Tech (Fisheries Engineering) graduates** in series. **Dr. Diplina Paul**, Process Engineer, Intel Arizona (USA) delivered a lecture on higher studies opportunities for B.Tech (Fisheries Engineering) graduates on 02.04.2022. **Dr. Uday Kumar Nidoni**, Professor, Processing and Food Engineering, University of Agricultural Sciences, Bengaluru had a detailed talk on 23.04.2022 on the prospects and future research to be carried out in the fish Process Engineering sector. The Dean (i/c), presided Orientation programme and Dr. Mohammad Tanveer, Associate Professor and Head Department of Aquacultural Engineering and Vice-President Students' Association coordinated.

#### Directorates

##### Directorate of Extension Education

##### Inauguration of KAVIADP Programme:

ICAR- Krishi Vigyan Kendra, Nagapattinam organized the inaugural function of "**Kalaingar All Village Integrated Agriculture Development Programme (KAVIADP)**" at KVK, Nagapattinam on 23.05.2022. The village-level function was arranged in all blocks by the Department of Agriculture and Farmers Welfare, Nagapattinam. Hon'ble Chief Minister of Tamil Nadu inaugurated the programme through video conferencing and gave farm aid to the farmer beneficiary under the scheme. Dr. A. Arun Thamburaj, District Collector, Honourable Thiru. M. Selvaraj, M.P., Nagapattinam, Mr. N. Gowthaman, Chairman, Tamil Nadu Fisheries Development Corporation, Mr. U. Mathivanan, Chairman, Tamil Nadu Adi Dravidar Housing Development Corporation, Mr. V. P. Nagai Mali, MLA, Kilvelur Mr. J. Aganda Rao JDA, Nagapattinam and Dr. P. Chidambaram, Programme Coordinator KVK took part the programme. Exhibitions are arranged involving all departments. KVK showcased the technologies and scheme-related activities. Around 125 farmers participated from Nagapattinam block and benefitted.



Video Conferencing of Hon'ble CM inaugural address





Interaction meeting



Exhibition Stall arrangements

### Gharib Kalyan Samelan-Hon'ble Prime Minister address and release of funds to farmers under PM Kisan Samman Nidhi Yojana:



ICAR- Krishi Vigyan Kendra, Nagapattinam conducted a convention programme on the occasion of Hon'ble Prime Minister address and release of funds to farmers under PM Kisan Samman Nidhi Yojana through live casting on 31.05.2022. The programme started with showcasing short

video clips of various prominent schemes implemented by the Union government to the people in the regional language. In continuation, webcasting of Hon'ble Prime Minister interaction with the beneficiaries of the scheme was shown. During his speech PM pointed out various achievements made by the union government to the people of the nation.



The entire speech of PM was translated to farmers. A lecture on suitable paddy varieties for Kuruvai cultivation was handled. Free tree saplings were distributed to the farmers. Around 700 farmers across the district participated and benefitted programme.

### General Events:

Observance of Anti-Terrorism Day pledge 20.05.2022 Photos

University campus,  
NagapattinamFisheries College & Research  
Institute, ThoothukudiDr. MGR Fisheries College  
& Research Institute,  
PonneriDr. MGR Fisheries College &  
Research Institute, ThalainayeruInstitute of Fisheries  
Post Graduate Studies,  
VaniyanchavadiCollege of Fisheries  
Engineering,  
NagapattinamCollege of Fish Nutrition  
& Food Technology,  
MadhavaramCollege of Fisheries Nautical  
Technology, ThoothukudiDIVE,  
RamanathapuramPPIFT,  
MadhavaramDIVA,  
MuttukaduKVK,  
Sikkal

From

**Director of Extension Education  
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To



Trichy  
CeSA



KKP,  
Parakkai CeSA



Thanjavur  
CeSA

### Research Publications

1. **Kesavan Devarayan**, Madhan Kathavarayan, **Anand Theivasigamani**, **Monikandon Sukumaran**, Sabariswaran Kandasamy, Development of portable colorimeter for on-site determination of water quality in aquaculture. Pigment & Resin Technology, 2022, Published Online DOI: 10.1108/PRT-12-2021-0140. (NAAS: 7.263); IF: 1.263.

2. A. Rathipriya, A. Kathirvelpandian, **S.A. Shanmugam**, **A. Uma**, **E. Suresh** and **N. Felix**, Character-based Diagnostic Keys, Molecular Identification and Phylogenetic Relationships of Fishes based on Mitochondrial Gene from Pulicat Lake, India: A Tool for Conservation and Fishery Management Purposes. Indian Journal of Animal Research, 2022. (NAAS: 6.44).
3. D. Rameshbabu., **C. Sarojini**, M., Sanjivkumar., R., Ramasubburayan, **S. Prakash**, P. Mary Joshphine Punitha., and G., Immanuel. 2022. Investigation on characterization, antifouling and cytotoxic properties of zinc oxide nanoparticles biosynthesized by a mangrove-associated Streptomyces olivaceus (MSU3). Springer link, Archives of Microbiology. (Inpress). (IF: 2.552; NAAS: 8.55).

### Newly Sanctioned Projects:

Empowerment of artisanal fisherfolk of Pazhaverkadu area through mud crab culture technology for funding under central sector component of PMMSY; Budget – 116.00 Lakhs; PI – Dr. P. Chidambaram, Professor, DAQ, Dr. MGR FCRI, Ponneri

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"சோதனை கடந்து சுதந்திரம் அடைந்தோம்  
சாதனை புரிந்து சரித்திரம் படைப்போம்."