



# UNIVERSITY NEWSLETTER TNJFU

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**FROM THE DESK OF  
VICE-CHANCELLOR.....**



Dear All,  
Greetings !

Am penning down my column with a good news! Asia's Largest Advanced Institute for Integrated Research in Livestock and Animal Sciences which was inaugurated by Hon'ble Chief Minister of Tamil Nadu holds Fisheries components of 'Aquaponics' and 'Ornamental Fish culture unit' at Thalaivasal. It's glad to see such remarkable facility in Tamil Nadu and we are enrolled with a responsibility of operating Aquaponics and Ornamental Fish Culture units. Our university team geared up for exhibition and displayed various products including our research archives. Site visit to the newly coming up Deep-Sea Fishing Centre at Thoothur was carried out to monitor the project works. Hon'ble Chief Minister inaugurated our major University buildings such as Dr.M.G.R Fisheries College & Research Institute at Thalainayeru, Paraprofessional Institute of Industrial Fishing Technology at Ramanathapuram and Student's Hostels at IFPGS, OMR Campus on 19.02.2020.

This month we also roped in a good number of new NADP projects (2020-2021) to the tune of Rs.8.00 crores for our University to strengthen the research and incubator infrastructures for intense technology dissemination activities. I also encourage the faculty and post-graduate students of our University to have an account in Linked In and Research Gate which will be helpful to have a network with professionals working globally to stay connected with us. Access to the recent publications of our colleagues at the Global level would in turn help us to choose the latest research and developmental areas.

Always be the change you wish to see in the world and equip your skills to match with this ever changing world !

Prof. S. Felix  
Vice-Chancellor

## VC EVENTS

**TNJFU participated in the Grand Agri Expo organized by Govt. of Tamil Nadu at Thalaivasal**

Tamil Nadu Dr. J. Jayalalitha Fisheries University, Nagapattinam participated in the grand exhibition at the Asia's largest Advanced Institute for Integrated Research in Livestock and Animal Sciences (AIIRLIVAS) at Thalaivasal in Kallakurichi.

The Hon'ble Chief Minister of Tamil Nadu, Thiru. Edappadi K. Palanisamy, Hon'ble Deputy Chief Minister of Tamil Nadu, Thiru. O. Panneerselvam, along with other ministers and the Principal Secretary to Government, Dr. K. Gopal visited the stalls of TNJFU on 09.02.2020.

Prof. S. Felix, Vice-Chancellor, TNJFU was also present in the exhibition along with the University Officers to represent the Fisheries University activities. A total of approximately 65,000 farmers, public and students visited the stalls and gained knowledge on ornamental fishes, food fishes, fishery products and other services of the University.



**Hon'ble Vice Chancellor visited Thoothur for the inspection of the works carried out in the ongoing NADP project to establish exclusive unit for Deep Sea Fishing Technology on 15.02.2020.**

**Inauguration of Newly built various Infrastructures at TNJFU on 19.02.2020 by the Hon'ble Chief Minister**

Hon'ble Chief Minister of Tamil Nadu Th. Edappadi K. Palaniswamy inaugurated the Dr. M.G.R. Fisheries College and Research Institute, Thalainayeru of TNJFU, Paraprofessional Institute of Industrial Fishing Technology, Ramanathapuram and IFPGS Students Boys and Girls Hostels at Vaniyanchavadi from the Secretariat, Chennai on 19.02.2020 through Video Conferencing.



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



**Paraprofessional Institute of Industrial Fishing Technology, Ramanathapuram**



**Boys and Girls Hostel at IFPGS, OMR Campus, Vaniyanchavadi**

**Respected Vice Chancellor attended 18th SLSC Meeting conducted by NADP – TAWDEVA at Secretariat on 26.02.2020**

The following four proposals were presented in the SLSC meeting.

- i. Establishment of "Aquaponics Technology Park" for the production of multiple vegetable crops by recirculating fish culture water in the water limited area of Barur, Krishnagiri District.



- ii. TNJFU's business incubators for aquaculture and fish processing technology to promote start-ups for fisheries entrepreneurship in Tamil Nadu State.
- iii. Hands on training cum demonstration on "*Limited water usage aquaculture technologies*".
- iv. Establishment of loach (Ayirai Meen) breeding Centre at Parakkai, Kanyakumari District.

## DIRECTORATES

### Soil Health Awareness programme

Soil Health Awareness programme was organized with Agricultural Department at South Poigainallur village of Nagapattinam block on behalf of Krishi Vigyan Kendra, Nagapattinam on 16<sup>th</sup> Feb 2020 to create awareness on Soil Health Card and importance of biofertilizers to improve crop productivity. The Programme Coordinator in-charge Dr. K. Chandrasekar, SMS (Plant Protection), Krishi Vigyan Kendra, Nagapattinam welcomed the gatherings and briefed about the importance of Soil health card. The Deputy Director of Agriculture Department, headed the programme and insisted the villagers to apply fertilizers based on the levels of soil fertility. The Assistant Director in-charge Dr. A. Lawrance, narrated the importance of



soil and activities of agriculture department towards soil testing and soil health card distribution in his Special address. The Senior Agriculture officer, Balasubramanian, addressed the gathering. During the technical session, Dr. V. Kannan, SMS (Agronomy) delivered lectures on soil health importance, soil sampling and reclamation of affected soils. The methods of soil sampling were also demonstrated to the farmers.

### Training on "Freshwater Aquaculture" and "Advanced Freshwater Aquaculture"

Training on "Freshwater Aquaculture" was conducted at Office of the Assistant Director of Fisheries, Parangipettai for the TNIAMP beneficiaries of Cuddalore district from 18.02.2020 – 20.02.2020 and "Advanced Freshwater Aquaculture" was conducted at Thanjavur Centre for Sustainable Aquaculture for the participants from Trichy, Thanjavur, Chennai, Salem, Thiruvavur, Theni and Pudukottai districts from 11.02.2020 – 12.02.2020. The beneficiaries were explained about the methods of freshwater fish culture, cultivable fishes and their culture period, different fish culture

techniques, fish seed quality analysis and nursery pond management, growout pond construction and preparation, fish stocking and growout pond management, feed and feeding management, sampling and water quality management, feed preparation, water quality management, fish disease management, optimisation of the profit and disease diagnosis and curative measures. Dr.V.Senthilkumar, Assistant Professor and Head i/c, TCeSA, coordinated the programme.

### Exposure Visit

The UG and PG students (Zoology Department) of Kader Mohaideen College, Adirampattinam and Vandayar Arts College, Poondi visited the Thanjavur Centre for Sustainable Aquaculture. They were explained about the Centre activities, Research facilities available in the centre and extension activities of the Centre.

### World Bank Mission

The visit of Third World Bank Mission to review the Tamil Nadu Irrigation and Agriculture Modernisation Project was started on 10.02.2020. Dr. J. Stephen Sampath Kumar, Director, DSA, TNJFU along with Dr. N. Felix, Director, DIVA, TNJFU and Dr. V.Senthilkumar, Assistant Professor and Head i/c, TCeSA participated in the meeting and presented the TNJFU activities.

### Flower-horn floating feed – Farmer point of view

The formulated feed for flower-horn was developed under NADP project on Development of cost efficient feeds for enhancing freshwater fish production in DIVA, Muttukadu. The feed was taken completely by the fish immediately after broadcasting. The cost is relatively less than commercial feed available in the market. The growth of fish is faster and colour enhancement and hump development was also good among fishes than using other feeds.



## COLLEGE NEWS

### Career Counselling Workshop organized by District Administration

A workshop on Career Counselling was organized on 01.02.2020 for school students by Thoothukudi District Administration at the District Collectorate.

Dr. R. Santhakumar, Professor delivered a lecture on Professional and Paraprofessional courses offered by Tamil Nadu Dr. J. Jayalalithaa Fisheries University. Dr. B. Chrisolite, Assistant Professor, distributed flyers on the courses offered by TNJFU to the students participated under the Project 'New Wings'. Mr. Sandeep Nanduri, IAS, District Collector delivered welcome and introduction speech. About 200 students of higher secondary level participated in this event.



### NSS Special Camp At SethukkuVaithan Village

The NSS unit of Fisheries College and Research Institute, Thoothukudi organized an NSS special camp at SethukkuVaithan village of Thoothukudi district from 13.02.2020 to 19.02.2020. The programmes such as creation of awareness on dengue and tuberculosis, village cleaning, school cleaning, canal deweeding, etc., were conducted.



This special NSS programme was organized under the able guidance of Dr. B. Sundaramoorthi, Dean, Fisheries College and Research Institute, Thoothukudi. The NSS special camp was formally inaugurated by Father Rayappan, who served as Chief Guest. Mr.T.Ravikumar, Assistant Professor and NSS Programme Officer, Fisheries College and Research Institute, Thoothukudi co-ordinated the entire camp. Mr. K. Gopi, Student NSS Secretary proposed the vote of thanks.

### Special Programme on "Interpersonal Skills"

A special programme on "Interpersonal Skills" was arranged for the benefit PG and Ph.D students of Fisheries College and Research Institute, Thoothukudi on 13.02.2020. A total of 43 students participated in the programme. Mr.G. Ravichandran, PALMS, provided details on developing interpersonal skills basically required for building human relations.

Dr. N.V.Sujathkumar, Professor and PG Coordinator coordinated the programme.



### Stocking of Vannamei Shrimp seed in Race-way complex for UG and PG student's demonstration and exposure purpose

The Department of Aquaculture, FC&RI, Thoothukudi has a Raceway complex facility with two tanks of 60 m<sup>2</sup> size. These two tanks were stocked with Vannamei Shrimp Seed (6000 Post Larvae per tank) on 17.02.2020 for UG and PG students demonstration and exposure on raceway based *Vannamei* culture.



### National Science Day Celebrated

The National Science Day was celebrated at Fisheries College and Research Institute, Thoothukudi on 28.02.2020. Dr. B. Sundaramoorthi, Dean of the institute presided over the function and emphasized the need for scientific temperament among students. To commemorate this event, model exhibition and a special address on "Secret of Aging" were arranged. The theme of the exhibition was "Green Energy in Fisheries and Aquaculture". A total of six exhibits were displayed by the school students of Thoothukudi region. The special address was given by the Guest faculty Dr. S. Sudhakar, M.Sc., Ph.D. and he explained the prospects of fisheries science. Miss. Ferolin Jessina, Science Club secretary presented the science club activities. Mr. Manoj, General





Secretary of Students' Association delivered the vote of thanks.



### Special lecture organized

Ms. Christy Abarna, Teacher, Shrishti International School, Kanchipuram delivered a special lecture on *"Rise and Shine – Enrich your personality and communication skills"* at Dr. M.G.R. Fisheries College & Research Institute, Ponneri on 15.02.2020. All the students of the institute attended the lecture. Dr. N. Muralidharan, Special lecture-in-charge coordinated the arrangements for the programme.

### Campus Cleaning Conducted

The NSS unit of Dr. M.G.R. FC&RI, Ponneri conducted campus cleaning programme on 16.02.2020 to create a habit of keeping surroundings clean. All the students of the institute actively participated in the programme. Mr. R. Velmurugan, NSS programme officer coordinated all the arrangements.



### National level training conducted

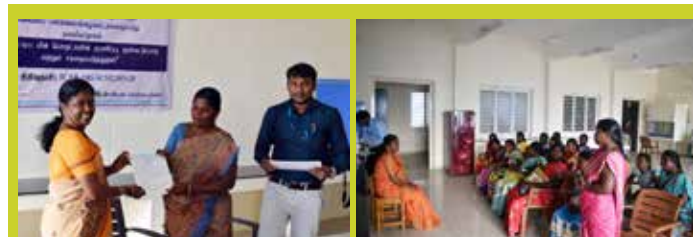
Dr. M.G.R. Fisheries College & Research Institute, Ponneri in collaboration with National Institute of Agricultural Extension Management [MANAGE], Hyderabad conducted NFDB funded twenty eight days programme on *"Aqua Clinics and Aquapreneurship Development Programme (AC&ADP)"* from 28 January to 24 February, 2020. A total of thirty participants participated in the training. Faculty of Dr. M.G.R. FC&RI, Ponneri and external experts delivered lectures and accompanied during field visits on various aspects of aquaclinics and aquapreneurship development. Dr. D. Manikandavelu, Dean i/c of the institute, was the

chief guest of the valediction programme. The Chief Guest distributed the certificates along with the training manual to the participants. Miss. Agnes Daney Angela and Dr. C. Lloyd Chrispin, Assistant Professors of the Department of Fisheries Extension, Economics and Statistics (DFEES), FC&RI, Ponneri coordinated the training.



### Training on *"Production, quality control and marketing of value added fishery products"*

Dr.M.G.R. Fisheries College and Research Institute, Thalainayeru, conducted two training programmes on *"Production, quality control and marketing of value added fishery products"* at Thalainayeru. The training programme was inaugurated by Dr.S. Balasundari, Dean, Dr.M.G.R, FC&RI, Thalainayeru. Mr. V. Vijayarahavan, Assistant Professor, Department of Fish Processing Technology, delivered the welcome address. Dr.S. Balasundari, Dean, Dr.M.G.R, FC&RI, Thalainayeru presided over the function and distributed the certificates after the training. In her presidential address, she stressed the importance of fish in human nutrition. Mr. V. Vijayarahavan, Assistant Professor, Department of Fish Processing Technology, Dr. M. G. R. FC&RI, Thalainayeru delivered vote of thanks and coordinated the entire programme. A total of 20 Scheduled Caste women from Thalainayeru benefitted out of this ICAR DG SC-SP 2019-20 sponsored training programme.



### Training programme on *"Farm made fish feed preparation"*

A training programme on *"Farm made fish feed preparation"* was conducted at Dr.M.G.R. Fisheries College and Research Institute, Thalainayeru. During this programme, various aspects of fish feed preparation such as importance of feeds in aquaculture, types of feeds, feed formulation methods, feed preparation methods, selection of fish feed ingredients, grinding and mixing of ingredients, drying, packing, quality control

of fish feeds and economic aspects were taught to the trainees. Dr.S.Athithan, Professor & Head, Department of Aquaculture coordinated the training programme. A total of 16 trainees from Nagapattinam, Thiruvavur and Thanjavur districts participated in the training programme.



### Workshop on “Entrepreneurship development in fish processing”

A workshop on “Entrepreneurship development in fish processing” was conducted at Fish Processing Incubation Facility (Metro), College of Fisheries Engineering, TNJFU, Nagapattinam during 27<sup>th</sup> and 28<sup>th</sup> February 2020. The programme was inaugurated by Dr. R.Rajendran, Dean, College of Fisheries Engineering, Nagapattinam in which he spoke about the need for entrepreneurial skills among students. Dr. N. Manimehalai, Associate Professor & Head delivered a lecture on importance of fish consumption for a healthy diet. Dr. P. Karthickumar, Assistant professor, coordinated the programme. Thirty eight SC/ST students from ADM College and Issac Arts and Science College, Nagapattinam attended the workshop. The workshop was conducted under the sponsorship of ICAR DG SC-SP 2019-20.



### Workshop on “Computer Skill Development”



One day workshop on “Computer Skill Development” which is a joint venture of and ICAR SC-SP 2019-20 was organized at College of Fisheries Engineering, Nagapattinam on 21.02.2020. Dr. N. Manimehalai, Officer In-Charge, CEEE and Dr.R.Rajendran, Dean, CoFE, Nagapattinam, were the Chief Guests of the programme. Er. C. Mercy Amrita, presided over the session. 20 Students from Government Higher Secondary School, Nedungulam participated in the programme.

### Entrepreneurship training programme

One day entrepreneurship training programme on “Solar PV system Design & its Applications” was organized on 21.02.2020 at College of Energy and Environmental Engineering, Nagapattinam. The programme was funded by ICAR SC-SP 2019-2020. Dr. N. Manimehalai, Officer In-Charge, CEEE and Dr.R.Rajendran, Dean, CoFE, Nagapattinam, were the Chief Guests. 30 college students of Nagapattinam District attended the programme. Er. G.Prabakaran, Department of Energy Engineering organized the programme and welcomed the gathering. Dr.R.Rajendran, Dean, CoFE gave the felicitation address in which he elaborated the importance of solar energy and its role in climate change mitigation. Dr. N. Manimehalai, Officer In-Charge, CEEE delivered special address. In her address she briefed about various skill sets required for an entrepreneur and encouraged the students to be a job provider rather than job seeker and also invited all the participants to utilize the facilities to become successful entrepreneur. Er. G. Prabakaran proposed vote of thanks and co-ordinated the events.



### Diving practices for cadets

Divers Mr.I.Raveendran and Mr. R.Jesuraj from Laxana R, Scuba diving consulting Agency, Thoothukudi handled special diving training to the first year B.Tech (FNT) cadets of College of Fisheries Nautical Technology, Thoothukudi at the New Harbour Beach, Thoothukudi. They gave detailed training on snorkeling, breathing practices, using of life buoy for floating and precautions to be undertaken during diving. This programme was inaugurated by Captain. S. Viswanathan, Dean and coordinated by Mr. Christhurajapeeris and Mr. Maria Santiago.





### Training and capacity building programme

Training and capacity building programme was conducted for the cadets at College of Fisheries Nautical Technology, Thoothukudi. Capt. S. Viswanathan, Dean welcomed Chief Engineer Mr. Gerald Rajan and Capt. Sivaram who explained the efficient applications of knowledge learnt in the college, onboard vessels while working at sea, developing and retaining skills and overcoming complacency.



### Training on Value Added Fishery Products

Two days training programme on Value Added Fishery Products was conducted at Fisheries College and Research Institute, Parakkai (Mylaudy). Twenty Students from Scott Christian College actively participated in the training. Dr. P. Velayutham, Dean i/c inaugurated the programme and briefed about the nutritional health benefits of fishery products, the importance of Omega – 3 fatty acids and its benefits and hygienic handling of fishes. Miss. A. Sarojini, Teaching Assistant, coordinated the programme. Mr. Sakthivel, Chief Manager, Union Bank of India,



Nagercoil, Vadasery, served as Chief Guest of the function. Thiru. P. Velmurugan, Assistant Professor proposed the vote of thanks.

### Visit to Tamil Nadu fish farm at Poondi as part of skill education programme

The B.Voc Industrial Aquaculture students visited fish farm at Tamilnadu fish seed farm, Poondi and acquired practical knowledge on fish seed production and induced breeding of carps



### Student's Field Visit of Brackish-water Aquaculture

Student's of I year B.Voc (Aquatic Animal Health Management) visited the Muttukadu Centre of Central Institute of Brackishwater Aquaculture on 17.02.2020. The staff of the centre explained the activities of the centre. The visit was made to gain practical knowledge on the brackishwater farming practices.



### Student's visit to CMFRI, Mandapam

Student's of B.Voc (Industrial Fishing Technology) visited the museum of regional center of Central Marine Fisheries Research Institute, Mandapam on 06.11.2019.



### Student's visit to Fisheries College and Research Institute (FC&RI), Thoothukudi

Students of B.Voc (Industrial Fishing Technology) visited Fisheries College and Research Institute (FC&RI), Thoothukudi on 01.02.2020 to learn the practical aspects under the courses VFT 114 Fishing Gear Materials, Design and Fabrication of Fishing Gears and VFT 117 Basic Navigation and Seamanship. The practical aspects they learned were splicing of ropes, navigational chart reading, fishing gear fabrication and marine engine demonstration.



### Student's visit to College of Fisheries Nautical Technology (CFNT), Thoothukudi



The B.Voc (Industrial Fishing Technology) students visited College of Fisheries Nautical Technology (CFNT) Thoothukudi on 02.02.2020 to learn the practical

demonstration of parade conducted by the staff of CFNT, Thoothukudi

### RESEARCH HIGHLIGHTS

#### Do Phytase supplementation enhance growth and feed utilization in Tilapia? – B. Ahilan and S. Felix

A study was conducted to evaluate the effects of phytase supplementation on growth and feed utilization in Nile Tilapia (*Oreochromis niloticus*). The animals ( $2.00 \pm 0.05\text{g}$ ) were stocked at a density of  $100/\text{m}^3$  and fed with different inclusion levels of phytase enzyme coated feeds at 2 rations a day. The animals will be periodically analyzed for its growth performance and the water quality. Carcass and bone analysis of the experimental animals along with apparent digestibility will be evaluated at the end of the culture trial.



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