

UNIVERSITY

NEWSLETTER

TNJFU

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



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Dear Readers,

Every year, our University celebrates the **foundation day** to commemorate the day when the University was founded through the Tamil Nadu Act 21 of 2012 in the assembly. Commemorating the foundation day is an occasion to remind the staff and students about the humble beginning of this educational institution and the incredible ways we have banded to make it into a University. Everyone in the University shall know the genesis. It all started with the initiative of Dr. G. Rengasamy, Vice-Chancellor, that a Department of Fisheries was formed at the Tamil Nadu Agricultural University, Coimbatore, way back in 1973 with only a few staff members who worked towards the establishment of a Fisheries College. The Fisheries College was thus created at Thoothukudi (Tuticorin) admitting 20 students for the 4-year B.F.Sc degree programme in the year 1977. Initially, the students had their classes along with B.Sc (Agri) students at Agricultural College and Research Institute, Madurai. With minimal infrastructure, the campus started functioning in 1978, and only in 1980, all four batches stayed together on the campus. In 1989, when the Tamil Nadu Veterinary and Animal Sciences University was carved out of the TNAU, Fisheries college went along with the Veterinary University and was renamed Fisheries College and Research Institute in the same year. With the visionary thinking of the then Dean, Dr. M. Devaraj, the institute registered good growth and several new departments formed and faculty strength improved. In 2011, when a proposal was sent to the State Government to form an additional college by the Dean Dr. M. C. Nandeeshha who is known for thinking big, the Government hinted at a new University to be formed exclusively for Fisheries Science, thus in 2012, the Tamil Nadu Fisheries University was established on 16th June 2012.

We used to organize 'Open day' at most of our campuses as part of the Foundation day celebrations showcasing our developments to the school students and the general public, however, with the new normal, we organized several webinars this year for the benefit of all stakeholders, besides posting a virtual tour of campuses on our website. The staff of our University donated their one-day salary to the Chief Minister's Public Relief Fund in a goodwill gesture to strengthen the efforts of the state government to fight against the Covid. Stay Alert!

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

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VC Events

Contribution towards C.M. Relief Fund

The Vice-Chancellor met the Hon'ble Chief Minister of Tamil Nadu along with the Hon'ble Minister for Fisheries and Additional Chief Secretary to Govt. of Tamil Nadu, Animal Husbandry, Dairying, Fisheries and Fishermen Welfare Department on 08.06.2021 and handed over the contribution of one day salary of staff of TNJFU to the Chief Minister's Public Relief Fund to strengthen the efforts of the Government in the fight against CoVID-19.

University Officers Meeting

The Hon'ble Vice-Chancellor, TNJFU conducted the 42nd University Officers meeting through virtual mode on 11.06.2021.



Visit to DIVA, Muttukadu

The Hon'ble Vice-Chancellor visited the Directorate of Incubation and Vocational Training in Aquaculture, Muttukadu, Chennai on 16.06.2021. During his visit, he inspected the sampling of Vannamee shrimp stocked at the DIVA farm.



Meeting with Hon'ble Fisheries Minister

The Vice-Chancellor attended the review meeting conducted by the Hon'ble Minister for Fisheries, Thiru. Anitha R. Radhakrishnan along with Thiru. T.S.Jawahar, Additional Chief Secretary to Government, Animal Husbandry, Dairying, Fisheries and Fisherman Welfare Department, at the Secretariat, Chennai on the afternoon of 16.06.2021.

Students Research Guidance Workshop (SRGW)

The Hon'ble Vice-Chancellor conducted the Students Research Guidance Workshop (SRGW) at Dr. MGR Fisheries College and Research Institute, Ponneri on 17.06.2021, Institute of Fisheries Post Graduate Studies, OMR campus, Vaniyanchavadi, Chennai on 18.06.2021 and Fisheries College and Research Institute, Thoothukudi on 24.06.2021 & 25.06.2021. Research scholars presented their proposals for approval before starting the research work.



Vice-Chancellor Visit to Kulavai Lake

The Hon'ble Vice-Chancellor visited the Kulavai

Lake, Kulavai, Chengalpattu on 18.06.2021. In his presence, harvesting and sale of GIFT Tilapia in cages were done.



Inauguration webinar

In commemoration of TNJFU Foundation Day on 19.06.2021, a National virtual seminar entitled "Recent Trends Problem Focus and Possible Solutions in Vannamei Farming" was conducted at the College of Fisheries Engineering, TNJFU, Nagapattinam.



Dr. G. Sugumar, the Vice-Chancellor, inaugurated the programme, released the souvenir and delivered the presidential address.

Prof. Jeyachandran Block Inaugurated

The Hon'ble Vice-Chancellor inaugurated the Prof. Jeyachandran block at Fisheries College and Research Institute, Thoothukudi on 24.06.2021. This block was named after Prof. P. Jeyachandran, in recognition of his contribution to the field of Fish Processing Technology at Fisheries College and Research Institute from 1977 to 1998.



College News

Fisheries College & Research Institute, Thoothukudi

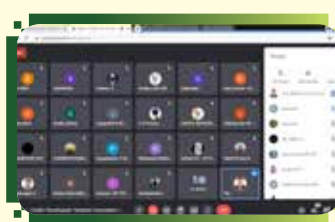
"Anti Child Labour Day":

The staff of Fisheries College and Research Institute, Thoothukudi administered the pledge on "Anti Child Labour Day" on 11th June 2021 at 11.00 a.m. as per the direction of the Government.



TNJFU Foundation Celebration:

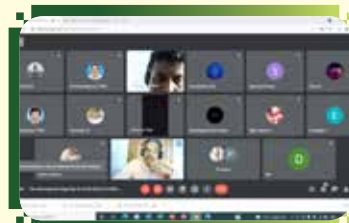
Conducted Fish-cum COVID 19 Quiz Competition by Online mode for students on 19.06.2021 as a part of Tamil Nadu Dr.J.Jayalalithaa Fisheries University Foundation



Celebration, Dr.S.Athithan, Vice President of Students Association served as quiz master. Mr. Siddharth & Mr.Pugalanthi team won the First position.

Celebrated 7th International Day of Yoga:

The Physical education and National Service Scheme units of this institute celebrated 7th International Yoga Day on 21.06.2021. Dr.N. V. Sujathkumar, Dean in charge, Fisheries College and Research



Institute, Thoothukudi presided over the function. A special lecture on the value of Yoga in the current Lifestyle was given by Mr.K. Parthasarathi, Yoga Master, Five Element Yoga Reactive Therapy, Thoothukudi. He explained the most important Asanas and Muthras in everyday life as a precursor to preventing COVID19.

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

Anti Child Labour Day:

Teaching as well as non-teaching staff took the "Anti Child Labour Day" pledge on 11.06.2021. The Dean of the institute, Dr. B. Ahilan read out the pledge which was recited by the employees of the institute.



TNJFU Foundation day:

Celebrated the TNJFU's Foundation Day through the online platform on 19.6.2021. Dr. Cheryl Antony, Professor and Head, DAQ, Vice President of Student Association, delivered the welcome address. Dr.D.Manikandavelu, Professor and Head, DAEM, briefed the Achievement/ Milestones in the field of Fisheries Science contributed by Dr.M.G.R FC&RI, Ponneri. A special lecture was delivered by Dr.K.Elavarasan., Scientist, ICAR-CIFT, Kochi on the theme of "Seafood - Safefood". An online debate was held on the subject "Plastics: Essential in Fisheries /Can be totally replaced" which was judged by Dr. D. Manikandavelu. Drawing and slogan writing competitions were also held through online mode.



Webinar on “Smart Aquaculture – IoT (Internet of Things) Approach towards Efficient Farming”

The Department of Aquaculture organized a one-day National Webinar on “Smart Aquaculture – IoT (Internet of Things) Approach towards Efficient Farming” on 23.06.2021. Dr.Cheryl Antony, Professor and Head, DAQ gave a welcome address. The technical session began with the presentation by Dr. P. Chidambaram, Professor, on “Smart Aquaculture – A way forward”. The lecture on “Application of Artificial intelligence (AI) in shrimp farming” was given by Dr. P. Nila Rekha, Principal Scientist, ICAR- CIBA, Chennai. Dr. M. K. Anil, Principal scientist, ICAR – CMFRI, Vizhinjam center, Kerala presented on “Smart Mariculture; the present and Future”. Dr. Antony J Prabhu, Senior researcher, Feed and Nutrition group, Norwegian Institute of Marine Research, Bergen, Norway, spoke on “Smart technologies in Aquaculture – An example of Norwegian salmon farming; the present and future”. Totally, 100 participants including entrepreneurs, faculty, scholars and students participated.



Webinar on “Entrepreneurship opportunities from fish waste”

The Department of Fish Processing Technology organized a one-day National webinar on “Entrepreneurship opportunities from fish processing waste” on 29.06.2021. Dr. B. Ahilan, Dean welcomed. The webinar was inaugurated by Professor. G. Sugumar, Vice-Chancellor of Tamil Nadu Dr. J Jayalalithaa Fisheries University (TNJFU). There were four speakers and the technical session began with the talk of Dr. D. Sukumar, Principal, PIFT, TNJFU, Madhavaram who gave the introductory remark on the “Utilization of Fish Waste”. Dr. Kaleemur Rahman, Director of Millennium export, Chennai gave an overview on “Waste Management with reference to Fisheries and Marine Biowaste”. Dr. S. Balasundari, Dean of Dr. MGR FC&RI, Thalainayeru, Nagapattinam spoke about the “Products of commercial importance from fish waste” and the Industrialist Mr. Joseph Mathew, Designated partner & CEO of ISF Chitin & Marine products LLP, Kochi, shared his experience on “Chitin and Chitosan based products from shrimp processing waste”. The programme witnessed the participation of 80 participants belonging to diverse categories like exporters, retired professionals, start-ups, professors, scientists, and students.



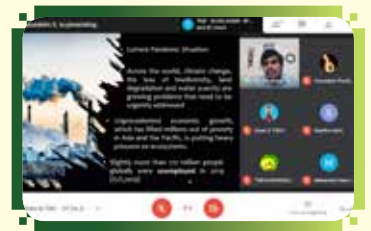
Dr. M.G.R Fisheries College & Research Institute, Thalainayeru

World Environment Day Celebrations:

International online lecture series on Ecosystem restoration in Fisheries and Aquaculture was organised on 05.06.2021 to commemorate world environment day. Dr.S.Balasundari, Dean welcomed speakers. Dr. Natrah Ikhsan, Associate Professor from University Putra Malaysia shared her area of interest on “Quorum Sensing & Quorum Quenching & Its Role in Fisheries and Aquaculture”. Conservation of marine resources and biodiversity, a deliberation on “Ranching – bridging the gap between fisheries and aquaculture” was given by Dr. Sagiv Kolkovski, Director of Nutrakol Pvt Ltd from Australia. A talk on “Experiences & Explorations in Conservation and Restoration of Environment” was given by Mr.Hazif Khan, CEO, Communi TREE (NGO), Chennai. The need for the restoration of the wildlife environment and strategies to be adopted in our daily walks of life was explained by Mr.S. Kalanithi, District Forest Officer & Wildlife Warden, Nagapattinam. Dr.M. Rajakumar, Director of Extension Education and Dean in charge expressed the ways to take forward for creating Eco healthy environment.

Celebration of World Ocean Day, 2021:

World Ocean Day was celebrated on 08.06.2021 by having an invited special talk on the topic of “Ecopreneurship – A conservation-based



revenue approach”. The programme was inaugurated by Dr. M. Rajakumar, Director of Extension Education and Dean In-charge. Mr. S. Abuthagir Ibrahim, Scientist, FRPHM Division, ICAR – CIFE, Mumbai delivered the special talk. Competitions such as poster making and logo designing and tagline were conducted for the students.

Anti-Child Labour Day-Pledge:

The “Anti Child Labour Day” was observed and the pledge was taken by all the employees on 11th June 2021.



Virtual Farm Tour of West Bengal

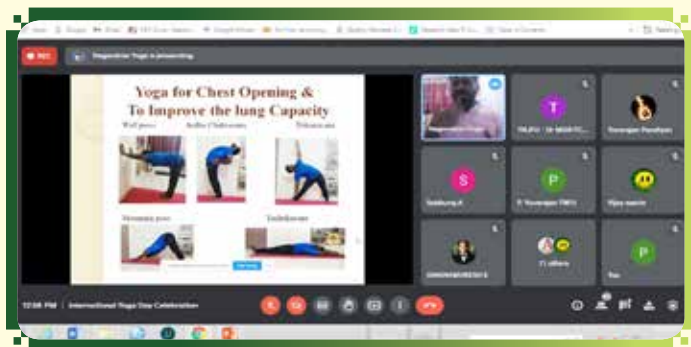


Virtual Farm Tour Series on Vannamei shrimp farming and freshwater fish farming from the Haldia, West Bengal was conducted on 14.06.2021. The production flow process of feeding, sludge management

and water exchange was explained by Shri. Suman Kumar Sahu, Fishery Extension Officer from Department of Fisheries, West Bengal.

Celebration of International Yoga Day, 2021:

The International Yoga Day was celebrated on 21.06.2021 by inviting a special talk on "Important asana for mind and body relaxation amidst COVID pandemic" for students and staff of the college. The programme was headed by Dr. S. Balasundari, Dean with an inaugural address. The Grand Yoga Master Mr. P. Nagendran, Founder and Director of Nagendran Yoga International, Bangalore delivered a special talk and demonstrated many *asanas* to improve respiratory function, enhance immunity and keep the mind peaceful.



COVID 19 vaccination drive:



With the support of the Primary Health Center, Thalainayeru the institute organised COVID 19 vaccination drive on 30.06.2021 for the staff. Seventy-two doses of COVID Vaccines were administered

to the Teaching, Non-teaching and House Keeping staff including Security personnel.

Virtual training conducted:

A virtual training programme on "A Practical Guide on Significance of Synbiotics in Aqua mimicry Culture Practices" to drive the shrimp farmers for sustainable shrimp farming was conducted on 30.06.2021. Dr.S.Balasundari, the Dean, inaugurated the training programme. Conjunction of invited talk with practical experience was delivered by

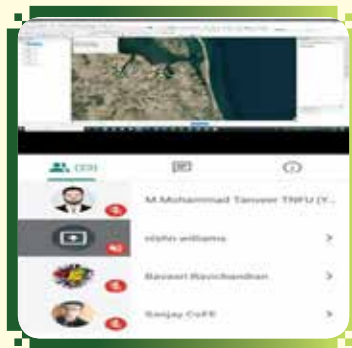
Shri. N B Vijayakumar Kallepalli, Technical Director, from Global Aqua Development Ltd, South Korea along with Dr.Glen Cho, CTO of Global Aqua Development Ltd, South Korea, one of the advanced Indoor Aqua mimicry RAS Shrimp Farm. A total of 51 farmers from different states attended the programme.



College of Fisheries Engineering, Nagapattinam

Tutorial classes on higher studies/Competitive examination :

Online tutorial classes for SC/ST students were taken by experts for Solid works, GATE preparation and Remote Sensing and GIS from 29.05.2021 to 14.6.2021 in collaboration with Unnathi IAS academy, Thanjavur. The program was coordinated by Dr. N. Manimehalai, Professor and Dr. Mohammad Tanveer, Associate Professor.



Institute of Fisheries Post Graduate Studies, Chennai

In remembrance of the TNJFU foundation day, the Institute of Fisheries Biotechnology (IFBT), OMR campus, Chennai has organised an in-house webinar on 'Biotechnological Intervention in Fisheries Science and Engineering' on 24th June 2021. Dr. S. A. Shanmugam, Dean (Basic Science) and Convener of the event inaugurated the webinar. Dr. G. Geoprincy, Assistant Professor (C), IFBT, Chennai spoke on 'Antimicrobial Effects of Nanoparticles Against Bacterial Pathogens'. Dr. U. Lalitha Priya, Assistant Professor (C), spoke on 'Innovative



Seafood Preservation Technology'. Mrs. Sheena K Baby, Assistant Professor (C), spoke on the '*Applications of Biotechnology in Aquaculture*'. Totally 100 persons participated in the event.

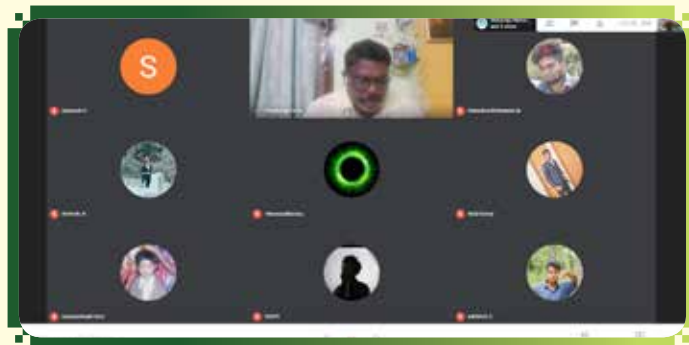
"World Environment Day" celebration:

The "World Environment Day" was celebrated by organizing a webinar on virtual mode on 05.06.2021. Dr. R. Saravanan, Senior Scientist from ICAR – Central Marine Fisheries Research Institute (CMFRI), Mandapam Centre and Dr. S. Palanichamy, Principal Scientist (Retd.), CSIR-Central Electrochemical Research Institute, Mandapam delivered talks on "*Ecosystem Restoration*" and "*Marine Pollution*" respectively. Dr. S. A. Shanmugam, Dean (Basic Sciences) welcomed the speakers. Students and faculty attended and interacted with the speakers.



College of Fisheries Nautical Technology, Thoothukudi World Environment Day celebration:

World Environment Day was celebrated on 05/06/2021. Mr. Christuraja Peeris, welcomed the dean, Capt. S. Viswanathan and the cadets. He also gave a speech on the importance of the environment and the measures taken by the International Maritime Organisation in minimizing the pollution at sea. Dean, Capt. S. Viswanathan delivered a speech about the oil pollution at sea and the Deepwater Horizon oil spill incident and the impact on the coastal areas.



College of Fish Nutrition and Food Technology, Madhavaram

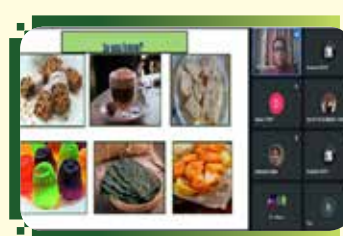
World Environment Day – 2021:

The 'World Environment Day 2021' was celebrated on

the 7th June 21 by organising an Online Webinar jointly with the Nutrition Society of India, Chennai Chapter. The Guest Speaker Dr. Rama Subbu Raju, Assistant Professor, The Gandhigram Rural Institute, Deemed to be University, Dindigul, Government of India, Tamil Nadu addressed the staff and students on "**Protecting the Forest Ecosystem for a Sustainable Future**". Dr. Usha Antony, Dean, College of Fish Nutrition and Food Technology, the Convenor of the Webinar, delivered a presidential address. The talk was uploaded on the YouTube site of NSI, Chennai Chapter.



World Food Safety Day – 2021:



The World Food Safety Day 2021 was celebrated jointly with the Nutrition Society of India, Chennai Chapter on 08.06.2021. Dr. R. Brimappureswaran, Assistant Professor and organizing secretary gave the welcome

address. Dr. Usha Antony, Dean CFNFT and convenor of the webinar delivered the inaugural address. The chief guest Dr. A. Thahira Banu, Assistant Professor, Department of Home Science, The Gandhigram Rural Institute, Gandhigram, Dindigul, Tamilnadu delivered a special lecture on "**Future Food - Seaweeds**". E – poster and slogan competitions were conducted among the students.

University Foundation Day Celebration -2021:

The 10th Foundation Day of TNJFU was celebrated, on 25th and 26th June 2021. A webinar was conducted on "**Seaweeds – Health Potential and Food Applications**" through online mode on 25th June. The programme started with a welcome address given by Dr. Usha Antony, Dean and Convenor, CFNFT, Madhavaram, Chennai. The first session was a talk by Dr. Suseela Mathew, Head of Division i/c, Biochemistry and Nutrition Division, ICAR – CIFT, Cochin, Kerala on "**Seaweed based Functional Foods Business Models from ICAR - CIFT**". The second speaker Dr. M. Shanmugam, Vice President, Research and Development, AquaAgri Processing Pvt



Ltd., Manamadhurai, Tamil Nadu presented a lecture on **“Seaweeds as Food, Functional Food and Food Additives”**. E-Certificates were issued to the active participants on completion of the event.

The E-Quiz on **“Edible Seaweeds – Health Benefits and Food Applications”** was conducted on 26.06.2021. The first and second prizes were won by Ms.G.Keerthi and Ms. T.P. Tharshini Dev from the College of Fish Nutrition and Food Technology, Chennai and the third prize was won by Mr. Angad Gupta from State Institute of Food Processing, Lucknow. The E-Certificates were issued to the winners.

Directorates

Directorate of Extension Education, Nagapattinam

Celebration of World Milk Day :

ICAR- KVK, TNJFU, Nagapattinam organized a *“World Milk Day”* at KVK, Sikkal, Nagapattinam on 01.06.2021. Dr. S. Muthukumar, Subject Matter Specialist (Animal Husbandry) handled the technical session. Topics covered were the preparation of Panner, Khoa, Ghee, Rose milk preparation, Padam milk preparation, Carrot milk preparation, Gulfi, etc. Milker hygiene, Animal Hygiene and Environment hygiene under clean milk production were explained. Twenty-five numbers of the farmers participated and benefited.

Farmers Awareness Programme:

The ICAR-KVK, TNJFU, Nagapattinam organised a *“Farmers Awareness Program on Balanced use of Fertilizers”* on 18.06.2021. Dr. A. Gopalakannan, Programme Coordinator welcomed the participants. Dr. M. Rajakumar, DEE, TNJFU emphasized the current need for the balanced use of fertilizer in soil health. S. Paneerselvam, JDA, Nagapattinam headed the programme and elaborated the organic farming and organic pest management practices. Mr. S. Jayaraj, State Manager, IFFCO gave a lecture on Nano Urea application technology. Dr. V. Kannan, SMS (Agronomy) detailed about balanced use of fertilizer and fertilizer use efficiency. Forty-six participants attended.

Directorate of Sustainable Aquaculture, Thanjavur

TNJFU foundation day :

In commemoration of the Foundation Day of Tamil Nadu Dr. J. Jayalalithaa Fisheries University (19th June), the Directorate of Sustainable Aquaculture, Thanjavur organized

a webinar on 18.06.2021 with the theme of *“Achieving Sustainable Aquaculture through Best Management Practices”* (in Tamil) for the benefit of aquaculture entrepreneurs and progressive fish farmers of the Tamil Nadu. A total of 45 fish farmers participated. Dr. J. Stephen Sampath Kumar, Director, Directorate of Sustainable Aquaculture welcomed the participants and inaugurated the programme. Nine lectures viz., Selection of quality fish seeds for sustainable freshwater aquaculture, Guideline for safe transportation of fish seeds, Cost-effective ways in water quality management in freshwater fish farming, how to maintain freshwater fish aquarium at home and offices, Eco-friendly health care in freshwater aquaculture, Effective management of economics in freshwater fish farming, Overview of best management practices for shrimp aquaculture, Best management practices in coastal cage culture of Asian sea bass and Responsible farming and BMP for hybrid tilapia production were delivered by the faculties of the Directorate of Sustainable Aquaculture.



Directorate of Incubation and Vocational Training in Aquaculture, Mutukadu, Chennai

World Environment Day celebration:

World Environment Day was celebrated on 05.06.2021. Dr.N. Felix, Director, DIVA delivered the Presidential address on Eco-friendly and sustainable aquaculture technologies like RAS, Bio-floc, etc. and the need to protect the environment. An elocution competition was conducted for B.Voc (IA) students and E-certificates were provided.

Directorate of Incubation and Vocational Training in Fisheries, Ramanathapuram

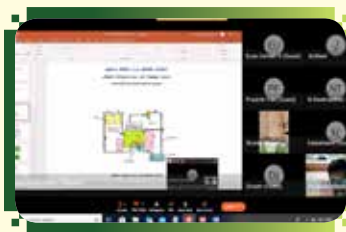
Webinar on Responsible Fishing & Safety of Fishermen at Sea:

World Oceans Day was celebrated on 08.06.2021. In this connection, a Webinar entitled *“Responsible fishing and safety of fishermen at sea”* was jointly organized by DIVE, Ramanathapuram and Madurai and Puducherry branches of Reliance foundation. Mr.M.Kalaiarssan, Assistant Professor,

From

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

To

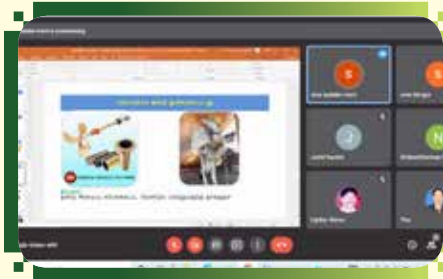


coordinated the event with Reliance foundation. Mrs.Sreekirupa, Reliance Foundation, Madurai welcomed the gathering and Mr.Jeyakrishnan, Reliance Foundation, Pondicherry

coordinated participants in the field. Dr.N.Neethiselvan, Director, Faculty of the DIVF served as resource persons and delivered talks. A total of 75 participants (50 fishermen, 20 students, 15 staff) attended.

Webinar on Marine Engine Maintenance:

An awareness program was conducted on Marine



Engine Maintenance jointly by the Directorate of Incubation and Vocational Training in Fisheries, Ramanathapuram and Reliance Foundation,

Madurai on 18.06.2021. A total of 50 fishermen participated.

Research Publications

Parthiban Fathiraja, Sugumar Gopalrajan, Masilan Karunanithi, Muralidharan Nagarajan, Mohan Chitradurga Obaiiah, Sukumar Durairaj & Neethiselvan Neethirajan: Response surface methodology model to optimize the concentration of agar, alginate and carrageenan for the improved properties of biopolymer film: Polymer bulletin: June 2021 (IF:2.014)

Selvaraj, S., Ahilan, B., Yamaguchi, A., Matsuyama, M., 2021. Multiplicity of Gonadotropin-Releasing Hormone in Fish. Journal of Entomology and Zoology Studies 2021; 9(3): 352-361., DOI: <https://doi.org/10.22271/j.ento.2021.v9.i3e.8729> : NAAS : 5.53

Selvaraj, S., Ahilan, B., 2021. A mini-review on kisspeptin hormone as an inducing agent in fish breeding. International Journal of Fisheries and Aquatic Studies 2021; 9(3): 307-315., DOI: <https://doi.org/10.22271/fish.2021.v9.i3d.2506> (IF:0.549)

Roy, S.M., **Tanveer, M,*** Debaditya, G, Pareek, C. M. and Mal, B. C. (2021). Prediction of standard aeration efficiency of propeller diffused aeration system using response surface methodology and artificial neural network *accepted* in Water Supply doi: 10.2166/ws.2021.199 (IF:1.275)

Sathishkumar, G., **Felix, N., Prabu, E.,** 2021 : Effects of dietary protein substitution of fish meal with bioprocessed poultry by-product meal on growth performances, nutrient utilization, whole-body composition and haemato-biochemical responses of GIFT tilapia reared in floating cages: Aquaculture Research: NAAS : 7.75

Prabu, E., Felix, N., Uma, A., Optimizing amino acid balance in fish meal-free diets for GIFT strain of Nile tilapia (*Oreochromis niloticus*) by deletion method : 2021 : Aquaculture Nutrition (Early view) : NAAS : 8.23

Superannuation

Dr. S. David Kingston, Professor and Head, Department of Fisheries Biology and Resource Management, Fisheries College and Research Institute, Thoothukudi retired on 30.06.2021. Born on 28.06.1961, he had put in a total service of 35 years and 6 months.



Mr. R. Subbiah, Basic Servant, Department of Aquaculture, Fisheries College and Research Institute, Thoothukudi retired on 30.06.2021. Born on 11.06.1961, he had put in a total service of 15 years and 1 month.