

UNIVERSITY

NEWSLETTER

TNJFU

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



Dear Readers,

There were some expectations and clues before the current session of the assembly on newer announcements for the University, but there wasn't anything coming up this year, understandably, because of the financial constraints which the new Government is earnestly trying to address. However, the Government is receptive to our suggestions and inputs for developing the sector. The Vice-Chairman of the State Planning Commission, Prof. Jeyaranjan was very positive in supporting our plans for the University and the fisheries sector put forth at the discussion meeting held on "Key activities of the University including Research" on 27th August in Chennai.

This month, the TNJFU launched the online application process for undergraduate admissions (2021-22) and the response is good, facilitated by our efforts through the mass media. I also urge our university officers and the faculty staff to promote better awareness to the student community on the well-structured courses available under fisheries and other faculties in our University. Independence day was celebrated with the usual fervour and patriotism at all our constituent units. The Fisheries College and Research Institute, Thoothukudi took the lead in organizing the programme, 'Budding Fishcos', for the B.F.Sc. students of all campuses with the technical team of Virbac Animal Health India Pvt. Ltd., preparing the students for the industry. It is a welcome sign that our constituent institutes have started organizing training programmes on physical mode, however, it is all the more important that the Covid-appropriateness is followed in letter and spirits.

North-east monsoon is round the corner and all campuses shall focus on the preparedness to harness the best and to tide over any eventuality. Some of the areas that need immediate attention are effective rainwater harvesting, maintenance of buildings especially repair and upkeep of all drainage and sewerage lines, removing the litter on roof-tops of buildings and planting of saplings. Our campuses could also plan for aeration ponds to effectively treat and recycle sewage and use it for fish culture. Greening campus initiatives shall include not just planting of saplings to develop greenery around but to introduce environment-friendly practices in waste disposal, recycling of e-waste, reuse of furniture, equipment and appliances by proper repair and maintenance, responsible behaviour leading to minimal wastes and education on waste management and judicious use of resources and conducting annual environment and energy audit by our campuses.

Let our campuses take pride in green initiatives and I request every faculty staff to plant a sapling in front of your department or the vicinity and nurture it well to see the impact it would create in you. This would not only serve to go with our efforts in greening our campuses but also remind us of our commitments towards the development of our young University as you nurture and see the saplings grow. It may sound quite different, but try and experience.

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

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VC EVENTS

16th Academic Council Meeting

The Hon'ble Vice-Chancellor chaired the 16th Academic Council meeting at Conference Hall, Aquatic Rainbow Technology Park (ARTP), Madhavaram, Chennai on 06.08.2021. The meetings were held on a hybrid mode and external experts and a few members attended online.



Live Programme in News 18 T.V.

The Hon'ble Vice-Chancellor participated in the Live Programme – "KatrInithu" in News 18 T.V. on 08.08.2021 and explained the academic programmes offered at TNJFU and the scope for fisheries graduates.



75th Independence Day Celebration at TNJFU

The 75th Independence Day was celebrated at Tamil Nadu Dr. J. Jayalalithaa Fisheries University, Nagapattinam. Hon'ble Vice-Chancellor Dr.G.Sugumar hoisted the national flag at TNJFU Administrative building, Vettar River View Campus, Nagapattinam on 15.08.2021, and delivered his independence day address to the staff and students of TNJFU.



TNJFU launched Online Application for UG Courses

The Hon'ble Vice-Chancellor, TNJFU launched the online application for Undergraduate programmes for the year of 2021-22 at the University headquarters along with the Chairman of the admission committee and Registrar, TNJFU on 19.08.2021.



Annual Performance Review of Staff

The Annual Performance Review of the Staff for the year 2020-21 was conducted by the respected Vice-Chancellor from 02nd August 2021 to 17th August 2021 with the following schedule:

On 2nd August 2021 at Directorate of Incubation and Vocational Training in Fisheries (DIVF), Ramanathapuram, 10th August 2021 at Dr. M.G.R. Fisheries College and Research Institute, Ponneri, 16th August 2021 at Institute of Fisheries Post Graduate Studies, OMR Campus, Chennai and Directorate of Incubation and Vocational Training in Aquaculture (DIVA), Muttukadu and 17th August 2021 at College of Fish Nutrition and Food Technology, Madhavaram and Para-Professional Institute of Fisheries Technology, Madhavaram, Chennai.



DIVF, Ramanathapuram



Dr. MGR FCRI, Ponneri



IFPGS, OMR, Chennai



CFNFT, Madhavaram

University Officers Meeting

The Hon'ble Vice-Chancellor, TNJFU conducted the 44th University Officers meeting through virtual mode on 21.08.2021.



Radio Talk

The Hon'ble Vice-Chancellor delivered a Radio Talk for "KadalOsai" F.M. Station on 21.08.2021, about the opportunities in fisheries education and the admission prospects and processes.

Meeting with the Vice-Chairman, SPC, Tamil Nadu

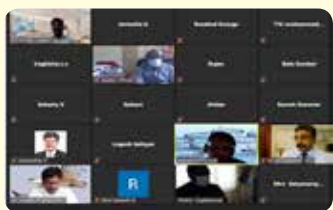
The Hon'ble Vice-Chancellor attended a discussion meeting on "Key Activities of the Tamil Nadu Dr. J. Jayalalithaa Fisheries University" on 27.08.2021 between 11.00 am and 1.00 pm at the State Planning Commission, Chennai. The Vice-Chairman of the State Planning Commission, Member Secretary and a few other members were present. The Vice-Chancellor could discuss on the sectoral problems and provide inputs on possible solution in addition to focusing on University's research priorities.



COLLEGE NEWS

Fisheries College & Research Institute, Thoothukudi

Organised An Online Programme :



The Department of Fish Pathology and Health Management (DFPHM), in collaboration with Virbac Animal Health India Pvt. Ltd, hosted an online programme, **Budding FishCos**, on 11.08.2021, for third and fourth year B.F.Sc and M.F.Sc degree students. The FC&RI, Thoothukudi, Dr. M.G.R. Fisheries College and Research Institute, Ponneri, Dr. M.G.R. Fisheries College and Research Institute, Thalainayeru and Institute of Fisheries Post Graduate Studies (IFPGS), OMR, Chennai were among those who attended the event.

Dr. M. Rosalind George, Organising Secretary and Professor & Head, DFPHM, FC&RI, Thoothukudi, welcomed the faculty, technical experts of Virbac Animal Health India Pvt., and students and provided an outline of the programme. Mr. Mahesh Khopade, Senior Product Manager – Aqua, Virbac Animal Health India Pvt., explained that goal. Dr. N. V. Sujathkumar, Dean in-charge, FC&RI, Thoothukudi, Dr. B. Ahilan, Dean of Dr. M.G.R. Fisheries College and Research Institute, Ponneri, Dr. Balasundari, Dean, Dr. M.G.R. Fisheries College and Research Institute, Thalainayeru, and Dr. S. A. Shanmugam, Dean, Institute of Fisheries Post Graduate Studies (IFPGS), Chennai, felicitated.



Dr.G.Sugumar, Vice-Chancellor Tamil Nadu Dr. J. Jayalalithaa Fisheries University, Nagapattinam in his

presidential address, stressed that private industries such as Virbac Animal Health India Pvt. Ltd., should act as a bridge between the university and industry, assisting in the production of quality graduates to meet industry expectations. Mr. Phaneendra Kumar, Area Business Manager, Virbac Animal Health India Pvt. Ltd., gave a lecture on "Basics of Shrimp Culture with Virbac Protocols."



After the programme, the students took an online quiz and the top three students from each of the four TNJFU institutes received certificates. 254 participants, including University Officers, staff, students and technical experts from Virbac Animal Health India Pvt. Ltd., attended.

Organised a Skill Development Training Programme :

Skill Development Training Programme on "Entrepreneurship in Marine Products" was conducted at EDII- MPBIF under the Tamil Nadu Rural Transformation Project (TNRTP) from 10.08.2021 to 12.08.2021. A total of 25 beneficiaries from TNRTP of the Thoothukudi district attended the training programme.

Mr. Muthamil Selvan, District Executive Officer, TNRTP and Mrs. Radha, Executive Officer, Employment Opportunity, TNRTP, Thoothukudi District, felicitated the programme with keynotes on the importance of employment possibilities and the training program's purpose. The function was presided over by the Dean in-charge, Dr. N.V. Sujath Kumar. The technical sessions on facilities of EDII – MPBIF, FC&RI, Thoothukudi and business/employment opportunities were carried out with resource persons of FC&RI, Thoothukudi. For the benefit of trainees, the preparation of seaweed cake, biscuits, bread, fish-based battered and breaded items, and fish pickles were demonstrated during the training programme.



The valedictory celebration was attended by Mr. Muthamil Selvan, TNRTP District Executive Officer, Mrs. Radha, TNRTP Executive Officer, Employment Opportunity, TNRTP, Thoothukudi district, Dr. R. Santhakumar, Professor and Head, and Dr. P. Ganesan, Project Coordinator & Assistant Professor and Head. Dr. N.V. Sujathkumar, Dean In-Charge, FCRI, Thoothukudi, then presented the certificates to the participants.

Celebrated 75th Independence Day on 15.08.2021 :

The 75th Independence Day was magnificently celebrated on 15.08.2021. The teaching and non-teaching employees of



National Flag was hoisted by Dr. N. V. Sujathkumar, Dean in-charge.

Dr. N. V. Sujathkumar, in his Independence Day talk, recalled the historical events that led to India's independence as well as the country's rich legacy which makes every Indian proud. Mr. K. Madhav and Ms. R.Rejeshwari, both B.F.Sc. II students gave speeches on patriotism in English and Tamil, respectively.



the college took part in the programme. The Security Staff Commander, Student's representative, Assistant Director of Physical Education and the Sports Secretary led the Dean in-charge to the Dias. The

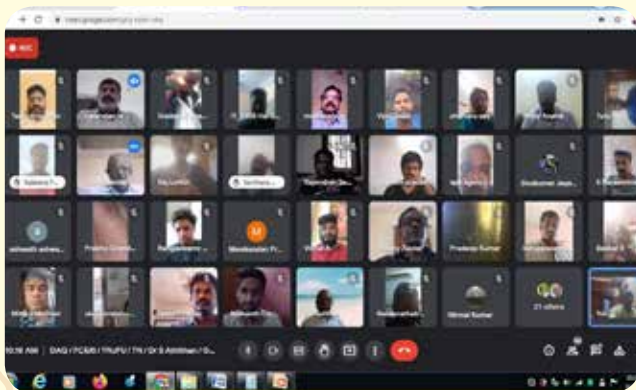
Organized Pre-thesis submission seminar :

The Pre-thesis submission seminar for MFSc (2019-20 batch) and PhD (2018-19 batch) students of FC&RI, Thoothukudi was held on 23.08.2021 by hybrid mode. The event was organized by Dr.B.Ahilan, Faculty Dean, TNJFU, and coordinated by Dr.N.V.Sujathkumar, Dean i/c., FC&RI, Thoothukudi in the presence of all the Chairmen and Members of the Student Advisory Committees. The Vice-Chancellor of TNJFU participated online and provided valuable suggestions and comments to improve the quality of the thesis.

In total, 11 M.F.Sc. and 4 Ph.D students presented their research findings under various departments of this institute.



One Day Online Training :



Department of Aquaculture offered a one-day online training programme on Murrel Fish Farming on 25.08.2020. A total of 65 trainees, including 5 women 54 from various parts of Tamil Nadu and states of India participated.

During this programme, various aspects of murrel fish farming such as status of murrel culture - Indian scenario, site selection, pre-stocking, stocking post-stocking management practices, harvesting, marketing and economic aspects were taught to the trainees on online mode. Dr. S. Athithan, Professor and Head of this Department conducted the training programme.

Organised a physical training programme :

A one-day physical training programme on "Quality Control in fish processing plants" was conducted by the Department of Fish Quality Assurance and Management, on 26.08.2021. The programme was sponsored by the National Fisheries Development Board, Hyderabad. Dr. R. JeyaShakila, Professor and Head, DFQAM, served as the Organizing Secretary, Dr. R. Shalini and Dr. B. Sivaraman, Assistant Professors served as training Coordinators.

Dr. R. JeyaShakila welcomed the gathering. Dr. N.V. Sujathkumar, Dean in-charge felicitated and elaborated the need for quality control in food safety and also released a training manual on "Quality Control in fish processing plants". Dr. K.M. Swapna, Assistant Director, Export Inspection Agency, Thoothukudi delivered a lecture on "Quality issues in Indian seafoods at international level". The other lectures included, "Quality Control in Fishing Harbour & its Management"; "Laboratory Testing in Fish Processing Plants" and "Legislations for Fish Quality Assurance in India". The participants were given a demonstration on "Detection of formalin in fish using the rapid fluorescent kit" and "Freshness determination in fish using torryster".

About 60 participants from various seafood industries of Thoothukudi, Ramanathapuram and Kanyakumari, State Fisheries Department Officials, faculty members and Research Scholars from various colleges participated.



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

Sadbhavana Diwas Observed :

Sadbhavana Diwas was observed the day on 19.09.21 in which Dean of the institute, Dr. B. Ahilan administered the



Sadbhavana Diwas day pledge, which was recited by all the staff and students of the institute.

75th Independence Day celebrations :

Celebrated the 75th Independence day at its main campus. The Dean of the institute, Dr. B.Ahilan unfurled the National flag and the college staff, students and security personnel honoured the National flag. In the Independence Day address, he spoke on the history as well as the importance of India's Independence. On this occasion, Surya Prabha V, III Year B.F.Sc., gave a talk on the role of Nethaji in Independence and Suresh A.B, II B.F.Sc gave a talk on the Present situation of Farmers in India after independence. To acknowledge their contribution to the overall development of the Institute, Dean presented 'Best Worker', 'Best Contractual Labourer (Female)' and 'Best Security Service' awards to Mrs. N.R.Thanalakshmi, Mrs. M.HariniVigneshwari and Mr. M.Mahendran respectively. Finally, Dr.L.Surulivel, Assistant Professor proposed a vote of thanks.



Training programme Conducted :

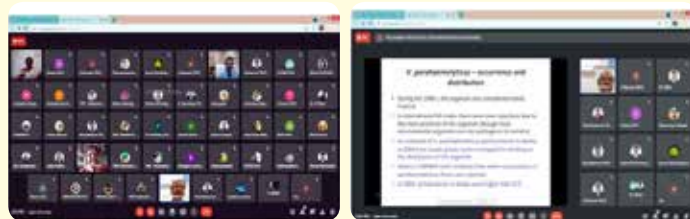
The training programme funded by National Fisheries Development Board, Hyderabad was conducted on 27.08.2021 by the Department of Aquaculture. The training was inaugurated by Dr. B. Ahilan, Dean of the institute. The Dean welcomed all the 50 participants. Three lectures in each session with different themes were covered in the training programme. Topics on Biofloc Technology: Principles, Prospects and Challenges, Introduction to Biofloc Production Technology, and Standard Operating Procedures: Biofloc Technology, Application of Biofloc Production Technology, Field Adoption of Biofloc Technology and Biofloc Technology: A Tool for Water Quality Management. The training programme concluded with practical exposure to biofloc production facilities at TNJFU Madhavaram campus. The sessions were coordinated by Dr. S. Selvaraj, Assistant Professor, Dr. Mahadevi, Assistant Professor, and Mr. Nethaji, Ph.D. Student. A Tamil pamphlet on "Biofloc Technology" was released on this occasion.



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

National Webinar :

A webinar on "Knock – on Effects of Climate Change in Increasing Incidence of Seafood – borne Pathogens and Toxins" was organised on 04.08.2021 through Google



Meet. Dr.S.Balasundari, Dean of this institute welcomed. Prof. G. Sugumar, Vice-Chancellor, TNJFU, Nagapattinam inaugurated the Webinar and shared his wide spectrum of knowledge related to the topic. Dr. IddyaKarunasagar, Advisor (Research and Patent) NitteUniversity Mangalore, Dr. IndraniKarunasagar, Director (Research and Patent), Nitte University, Mangalore, Dr. H. Sanath Kumar, Principal Scientist (Microbiology), ICAR – CIFE, Mumbai, Dr. Amit Morey, Associate Professor, Auburn University, USA and Dr. Salina Parveen, Professor, Food Science and Technology Program, University of Maryland Eastern Shore, USA have delivered talks in their specialized field. A total of 64 participants have attended the webinar.

Independence Day Celebration :

Seventy-Fifth Independence Day was celebrated on 15.08.2021. The Dean, Dr. S. Balasundari hoisted the National



Flag and addressed the gathering. A total of 65 Teaching, Non-teaching, Contractual Supporting Staff and Final year students attended the programme. Ninety students have participated in the Independence Day celebration online. Dr. V. Alamelu, Assistant Professor, Department of Fish Processing Technology, have delivered a talk to grace the occasion. T. Aboorva, V. Gowsika and V. Kapilraj of II B.F.Sc. and V. Karthick Raja and P.N. Aishwarya of III B.F.Sc have delivered an Independence Day speech.

Sadbhavan Diwas Day-Pledge :

The Sadbhavan Diwas Day was observed on 19.08.2021 followed by a pledge was taken on the day at 11.00 am and staff and students together 63 have taken the pledge.



Training Programme conducted :

The training programme on "Hygienic Production, Packing, Branding and Quality Certification of Dry fish" funded by NFDB was conducted on 17.08.2021. On this

occasion, Dr. S. Balasundari, Dean welcomed and highlighted the importance of the training programme. The training had four sessions handled by Dr. S. Balasundari, Dean, Dr. V. Alamelu, Assistant Professor, Mr. V. Vijayarahavan, Assistant Professor and Ms. S. Vimaladevi, Assistant Professor. Fifty un-employed youth women and home-makers have attended this training programme.



Virtual training programme organised:

A Virtual training programme on GIFT Farming was organised on 26.08.2021. The training programme was inaugurated by Dr. S. Balasundari, Dean of this institution. Mr. Royd Mukonda, Executive Director of Mukasa Fish Farm from Zambia shared his experience on improving the GIFT Tilapia production in India's context. A compendium for the training programme was also brought out for the benefit of the participants. A total of 12 entrepreneurs attended the training programme.



COVID-19 Awareness campaign :

In continuation to the COVID-19 Awareness campaign launched by Hon'ble Chief Minister on 31.07.2021 at Chennai, Health & family welfare department organized a week-long awareness campaign from 1.8.2021 to 7.8.2021. As a part of this event, Primary Health Centre, Thalainayeru has organized competitions like poster designing, short film, drawing, slogan writing on COVID awareness to students of this college on 5.8.2021. K.G. Vaisalini, T. Naveena and D. Thofeyaroy, V. Myvizhi and P.N. Aishwarya were the winners.



College of Fisheries Engineering, Nagapattinam

75th Independence Day Celebration :



The 75th Independence Day was celebrated on 15th August 2021. Dr. N. Manimehalai, Dean i/c, hoisted the national flag. All Teaching and non-teaching staff and contractual staff attended this programme.

Celebration of Sadbhavana Diwas Day :

In view of the 77th birth anniversary of former Prime Minister of India, Sri Rajiv Gandhi Sadbhavana Diwas was celebrated on 19. 8.2021. Dr. N. Manimehalai, Dean i/c of the College presided. She elaborated on India's former Prime Minister Shri Rajiv Gandhi's role in maintaining peace, national integrity, love, affection and ethnic and religious harmony among the people of India. More than 40 members including Professors, students and office workers took the Sadbhavana Diwas Pledge.



College of Fisheries Nautical Technology, Thoothukudi

75th Independence Day Celebration :

75th Independence Day was celebrated on 15th August 2021. The staff of CFNT and CIVF and cadets of this college presented during the celebration. The dean, Capt. S. Viswanathan as hoisted the tricolour flag. He gave a speech on independence and the struggle for independence. Following the speech, cadets shared the dais and sang songs on the freedom struggle. Cdt. Ahmed Meeran S. and Cdt. Siddharthan M. gave speech and Cdt. Veerendar V.K.M. sang a song on freedom.



Organised non-residential training programme :

A three-day non-residential training program on "Awareness on Sea Safety measures" was conducted from 23rd to 25th August 2021. 20 active fishermen selected by the fisheries department were given training at the college.



The training was inaugurated by Mr. Amal Xavier, Joint Director Fisheries, Thoothukudi and Ms. Vayola, Assistance Director Fisheries, Thoothukudi. The training was carried out in the classroom, seamanship workshop, and open area and swimming pool. During the training demonstration of the life-saving appliance, fire-fighting appliance, personnel survival techniques at the swimming pool, first aid measures at sea and safe working practices were carried out. At the end of



the program, Capt. Jayasingh Mohan Kumar has issued the certificate to the candidates.

DIRECTORATES

Directorate of Extension Education

Skill Training for Rural Youth (STRY) organised :

The "ICAR-KVK, Sikkal, Nagapattinam District" organized Skill Training of Rural Youth (STRY) under SAMETI through ATMA-SSEPEERS 2020-2021 on Mushroom Production Techniques. The program was conducted for six days from 02.08.2021 to 07.08.2021. A total of 28 trainees from various parts of Nagapattinam District benefitted. The program was inaugurated by Mr. S. Panneer Selvam, Joint Director of Agriculture, Nagapattinam District. Mrs. Kala, Deputy Director of Horticulture, has delivered a special lecture on mushroom production, the major nutrients in mushrooms and the importance of mushroom cultivation. Dr. A. Gopalakannan, Programme Coordinator, KVK, Nagapattinam delivered the welcome address. Dr. K. Chandrasekar, Subject Matter Specialist (Entomology) has coordinated the entire programme.



The Deputy Director of Quality control (Agriculture) and Assistant Director of Horticulture on interaction collected feedback from trainees, distributed certificates and manuals.

Celebration of National level campaign :

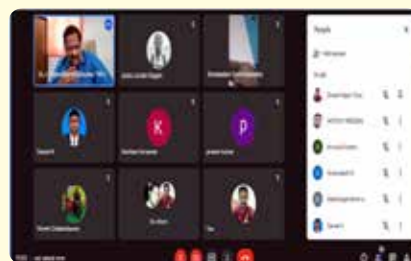
As part of the National level campaign on "Food and Nutrients for Farmers" a training programme on "Nutrition Garden" was organized in the KVK premises. The Programme Coordinator Dr. A. Gopalakannan inaugurated the function



and outlined the importance of food and nutrition for human health. Dr. P. Karthickumar, Assistant Professor delivered talk on "Importance of Fish Nutrients to the Human Health". A technical lecture on the Establishment of a nutrition garden was given by Mr. K. Ragu, SMS, Horticulture. Fifty two farmers and farm women were benefited from the training.

Directorate of Sustainable Aquaculture

Webinar Series Conducted :



The Directorate of Sustainable Aquaculture (DSA) held series of webinars in conjunction with National Fish Farmers Day. Mr. R. Dinesh,

Assistant Professor, Mandapam Centre for Sustainable Aquaculture (MCESA) coordinated the webinar of the series on 'Better Use of Feeds in Aquaculture in Tamil on 03.08.2021. Dr. J. Stephen Sampath Kumar, Director of DSA, greeted the participants and set the programme in motion. Five lectures viz., an overview of aquaculture feeds; Feeding in hatcheries; Feeding in farms; Hatchery and on-farm feed management strategies; Feed technologies, feed manufacturers and feeding equipment) were delivered by the faculties of DSA. A total of 45 participants were benefited from the programme. The webinar series on "Responsible Farming of Hybrid Tilapia to Double the Farmer's Income" was conducted on 13.08.2021 Under this webinar, five different topics related to tilapia farming were presented to a total of 80 fish farmers and others interested participated in the webinar. In addition to this, general discussions were held and elucidated in the webinar and finally, the proposed vote of thanks.

Training programme organised :

Kanyakumari Parakkai Centre for Sustainable Aquaculture, Parakkai conducted a one-day training programme on Loach Fish Culture on 25.08.2021. 14 participants from different districts of Tamil Nadu attended the programme.



The topics on site selection, pond construction, pre-stocking management, post stocking management, stocking, feeding and breeding were explained to trainees. Farmers were exposed to field visits and demonstrations on loach breeding techniques. A pamphlet on Ayirai Meenvalarppu was distributed to the trainees along with certificates.

From

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

To

Directorate of Incubation and Vocational Training in Aquaculture

"Independence day" celebration :

The DIVA celebrated 75th Independence day at DIVA campus on 15.08.2021. Dr. N. Felix, Director, DIVA, hoisted the flag and delivered a presidential address highlighting the importance and significance of the valour and spirit of the freedom fighters who fought for independence.



Sadbhavana Diwa spledge observed :

Sadbhavana Diwa spledge was administered by Dr. N. Felix, Director, to staff and students on 19.08.2021.



Fisheries department officials visit:

Twenty-seven officers of Fisheries from the State Fisheries department visited the main campus on 23.08.2021. They were taken to an aquafeed mill, shrimp culture complex, indoor aquaculture complex and the activities were explained.



Directorate of Incubation and Vocational Training in Fisheries

Webinar conducted:

With the financial assistance of the National Fisheries Development Board (NFDB) Hyderabad, a webinar entitled

"Recent Advanced Technologies in Fishing methods" was jointly organized with Reliance foundation on 05.08.2021 covering fishermen from Villupuram and Kanchipuram of Tamil Nadu and Pondichery. A total of 75 fishermen from different fishing villages of Tamil Nadu and Pondicherry took part. Topics on Recent Advancements in Fishing Technology and Advanced Navigational Aids in Fishing were delivered by the staff of this institute.

New Research Projects sanctioned

The Project on Integrated fish farm model complex at Fisheries College and Research Institute, Thoothukudi for capability building for inland fish culturists to augment fish production was sanctioned by NADP to the tune of 276.50 Lakhs for 2 years.

Research Publications of the Month

Monikandon Sukumaran, Kesavan Devarayan, Ramar Marimuthu, Sabariswaran Kandasamy, Pre-During-Post Lockdown Air Quality in Adyar, Chennai, India Amid COVID-19 Pandemic. Revista de Chimie, 2021, Accepted-in-press, DOI: 10.37358/RC.21.4.8459. (Impact factor: 1.755, Scopus Indexed).

Yuvarajan, P., Cheryl, A., Gopalakannan, A., and Mahadevi, N. Effect of Distillery Spent Wash as Carbon Source in Biofloc System on Nutrient Profile of GIFT Tilapia. Indian Journal of Animal Research, DOI: 10.18805/IJAR.B-4321 (NAAS : 6.40)

M. Kishore Kumar, N. Jayakumar, K. Karuppasamy, D. Manikandavelu, A.Uma., "An Annotated Checklist of Elasmobranchs Along the Coromandel Coast of Tamil Nadu, Southeast Coast of India. Indian Journal of Animal Research, DOI: 10.18805/IJAR.B-4281 (NAAS : 6.40)

**"சோதனை கடந்து சுதந்திரம் அடைந்தோம்
சாதனை புரிந்து சரித்திரம் படைப்போம்."**