



UNIVERSITY NEWSLETTER TNJFU

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MARCH - APRIL 2020**

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



Dear All,
Greetings.

I am happy to write this coloumn for the newsletter of this prestigious University.

At ARFF, Madhavaram, a separate Industrial Products Testing Facility for testing the products equipped with RAS based module fitted with sand filter for FRP tanks and the *exsitu* biofloc production facility "Photobioreactor" and raceway ponds for biofloc production were started and this will serve as the major backbone to the industry for testing their products. **A one day workshop on Accelerating Business Start-ups in Aquaculture** insisted on the resource potential of India endowed with major water bodies, however the fish production data by the country falls very short impacting the significance of the sector in the country's GDP. A Coffee Table Book outlining the technologies developed by the University and a miniature Aquaculture Business Contact Directory were also released.

To encourage the Aquaculture stakeholders and to keep the momentum going a Webinar on **"Aquaculture in Action During Pandemic"** amid Lockdown was conducted. The **"Boost-up Blue Economy in Tamil Nadu through Coastal Cage Farming and Deep Sea Fishing (BBCD'2020)** stressed the need for multidimensional approach to ensure the sustainable fishery wealth of Tamil Nadu. TNJFU, released the Technologies for adoption. A National Workshop on **"Scaling Solutions for fair trade in Aquaculture – Chola Aqua 2020"** emphasized on the importance of fish culture in enhancing the livelihood of rural population.

Indeed a cheerful experience with you all as my tenure expires on 24.04.2020.

It is informed to the reader, that the **TNFU Newsletter** with RNI TNENG/06065/2018 is renewed and published in the name of **University Newsletter TNJFU** with RNI TNENG/06154/2020 from February 2020 onwards.

Stay Home ! Stay Safe !!

Prof. S. Felix
Vice-Chancellor

VC EVENTS

Industrial Products Testing Facility Inaugurated

To test the various industrial products in Aquaculture, a separate Industrial Products Testing Facility for testing the products has been constructed and inaugurated by the Hon'ble Vice Chancellor Prof. S. Felix on 02.03.2020 at ARFF, Madhavaram. The facility is equipped with RAS based module fitted with sand filter for FRP tanks. Using this Industry Institute projects will be operated and this will serve as the major backbone to the industry for testing their products in University. He also released the shrimp seeds in the experimental tanks and initiated the projects. Vice Chancellor also inaugurated the *exsitu* biofloc production facility such as Photobioreactor and raceway ponds for biofloc production.

**A one day workshop on Accelerating Business Startups in Aquaculture on 14.03.2020**

Dr. MGR. Fisheries College & Research Institute, a constituent unit of Tamil Nadu Dr.J.Jayalithaa Fisheries University conducted a one day workshop on "Accelerating Business Startups in Aquaculture" on 14.03.2020 at Institute of Fisheries Post Graduate Studies, OMR. The inauguration of this workshop commenced with the lighting of lamp by a group of dignitaries of Mr. Padmasingh Issac, Founder & Director of Aachi Group of Companies, Prof. S. Felix, Vice Chancellor, TNJFU, Dr. Santhana Krishnan, CEO of S.K.Marine Technologies Pvt. Ltd., Mr. Ramakrishna Rao, Senior Executive (Technical) from NFDB, Hyderabad, Dr.B.Ahilan, Dean & Convener, Dr.MGR. FC&RI, Ponneri & Dr.S.A.Shanmugham, Dean, IFPGS.

The felicitation address of the workshop was delivered by Dr.Santhana Krishnan and Mr.Ramakrishna Rao during

the time of inauguration. Mr.Padmasingh Issac, Founder & Chairman of the Aachi Group of Companies graced this inauguration as a Chief Guest to motivate the young entrepreneurs for starting a venture in Aquaculture sector.

The Chief Guest insisted the resource potential of India endowed with major water bodies however the fish production data by the country falls very short impacting the insignificance of the sector in the country's GDP. An increase in export potential along with the trading of ornamental fishes was also discussed. He motivated the participants to start a venture by facing possible challenges in undertaking the entrepreneurship. He also emphasized the importance of branding the fish and fishery products by adding value to the farm produce. He further encouraged the University to offer multidisciplinary courses from which many sectors can work in an integrated manner for the development of the Indian Fisheries and Aquaculture sector.



Hon'ble Vice Chancellor Prof.S.Felix delivered the presidential address in which he made a clear cut importance of having a startups in Aquaculture. He listed all the possible ventures in the aquaculture sector by highlighting the supply chain and need of innovative ideas for the growth of the sector through these startups. Major initiatives taken by the University and industrial scale incubation facilities available at the University for undertaking Farming, Fish Processing and Breeding was also dealt in his talk. To make Aquaculture as a recession proof industry, the need of startups and its role in the sector was his one-line mantra spearheaded in this workshop. A Coffee Table Book outlining the technologies developed by the University and a miniature Aquaculture Business Contact



Directory were also released during the inauguration. About 200 participants were the main ingredient of this workshop.

A Webinar on "Aquaculture in Action During Pandemic" on 19.04.2020 amid Lockdown



To encourage the Aquaculture stakeholders and to keep the momentum going amidst of the COVID-19 lockdown, Dr. MGR. Fisheries College & Research Institute, Ponneri which is a constituent unit of Tamil Nadu Dr. J. Jayalalithaa Fisheries University conducted on 19.04.2020. Dr. B. Ahilan, Dean & Convener of the Webinar welcomed all the 50 participants and the speakers. Prof. S. Felix, Vice

Chancellor of Tamil Nadu Dr. J. Jayalalithaa Fisheries University delivered a talk on "Befitting Aquaculture Systems for the Benefit of Aquapreneurs" and highlighted the importance of suitable aquaculture systems for the Indian scenario. Dr. Aurore Trotter, Senior Executive Consultant from DHI, Singapore presented a talk on "Management of Harmful Algal Blooms in Aquaculture" and enlightened the importance of eco modelling to avoid algal toxicity particularly in offshore aquaculture practices. Dr. Anburaj Amaldoss, Lecturer & Research Scientist at Temasek Polytechnic spoke on "A Rapid, Sensitive and Label Free Diagnostic Method for Simultaneous Detection of Four Different Shrimp Pathogens". His invention and the possibility of customization of the detection of shrimp pathogens in the research platform by his institute was well received by the participants. Lastly, Dr. Jean Meves Yewel, owner of Green & Blue Aquaponics farms

shared his experience in building a Aquaponics Farm on a topic "Engineering Aquaponics for Eco-Friendly Fish Production" to the participants. Dr. M. Menaga, Program Coordinator of this webinar thanked for all the support rendered by the head of the institute and University for conducting this Webinar and also thanked the speakers and participants for their active participation.

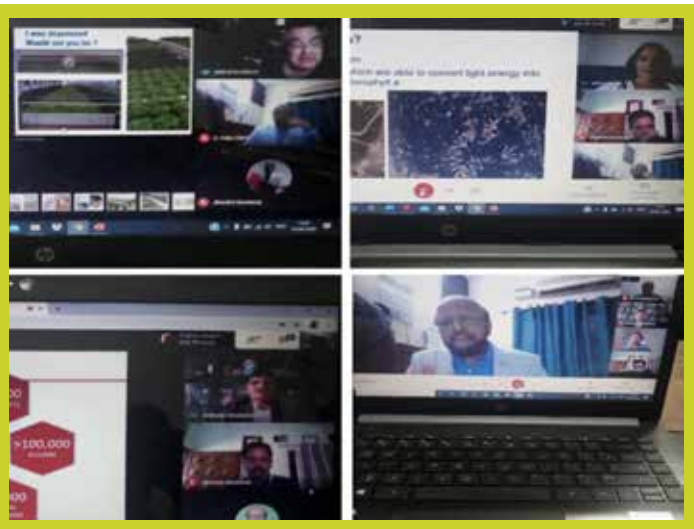
"Boost-up Blue Economy in Tamil Nadu through Coastal Cage Farming and Deep Sea Fishing (BBCD'2020)" on 21.02.2020 at IFPGS OMR, campus

DIVF Ramanathapuram and FCRI, Thoothukudi Constituent units of TNJFU conducted a One-day workshop on "Boost-up Blue Economy in Tamil Nadu through Coastal Cage Farming and Deep Sea Fishing (BBCD'2020)" at the IFPGS, OMR campus Chennai on 21.02.2020. The Hon'ble Minister Thiru D. Jayakumar, Minister of Fisheries and Personnel and Administration Reforms participated as the Chief Guest of the inaugural function. During his Chief Guest address, he appreciated the timely effort taken by the TNJFU and advised the participants to make use of the workshop being organized by the University. The Hon'ble Minister of Fisheries and Personnel & Administrative Reforms Thiru. D. Jayakumar, released the souvenir of the workshop beside releasing the Technologies developed by the TNJFU. Prof. S. Felix, Vice-Chancellor, TNJFU Nagapattinam presided over the function. In his presidential address, he stressed the need for multidimensional approach to ensure the sustainable fishery wealth of Tamil Nadu. Further, he stressed that fish farming in cages is the need of the hour considering the vast scope for adoption of this technique all along the coast of Tamil Nadu in protected bays.

Dr. G. S. Sameeran, IAS Director, Tamil Nadu Fisheries Department, Chennai, Mr. Johny Tom Varghese, IAS, Additional Director of Fisheries, Ramanathapuram, Dr. Pravin Purtra, Assistant Director General, ICAR New Delhi gave the felicitation addresses.

Dr. N. Neethiselvan, Director, DIVF and the Dr. Sundaramoorthy, Dean FCRI Thoothukudi have arranged for the event.

Over 100 fishermen and fish farmers from the coastal districts of Tamil Nadu such as Ramanathapuram, Pudukottai and Chennai, who are involved in Deep sea fishing, Marine



fish farming or in fish farming in cages participated in the workshop.

TNJFU, released the 'Technologies for adoption by the Dept. of Fisheries and Hon'ble Minister for Fisheries handed over the Technology Book to the Director of fisheries.

Chola Aqua 2020

The Tamil Nadu Dr.J.Jayalalithaa Fisheries University organized a National Workshop on "Scaling Solutions for fair trade in Aquaculture – Chola Aqua 2020" on 29-02-2020 at the University headquarters for the second time. Thiru.O.S. Manian, Hon'ble Minister for Handlooms and Textiles emphasized on the importance of fish culture in enhancing the livelihood of rural population in his Chief Guest address.



He appealed to the researchers to take up studies in farmers' field to understand various issues including the eradication of predatory fishes. Further, he released the souvenir and CD on the topic "Scaling Solutions for fair trade in Aquaculture" which was received by Prof. S. Felix, Vice-Chancellor, TNJFU, Nagapattinam. Thiru. R. Palanikumar, District Revenue Officer, Nagapattinam in his felicitation address insisted on the development of Trout aquaculture in hilly regions. Prof. S. Felix, Vice-Chancellor, TNJFU, Nagapattinam presided over the function and started the session by delivering a lecture on "A careful thought on fish consumption in India" in which he explained about the present food consumption pattern in India and the role of fish in fulfilling the protein needs of people in India. He stressed on the increase in fish production to cater to the needs of rising population which would demand high fish proteins in future. To show a scenario on India Aquaculture production a session was handled by Dr. S. Kandan, Project



Director, RGCA, Sirkazhi in which he projected the strength of Indian aquaculture in the global culture fisheries. Mr. V.R. Mansingh, Assistant Vice President, CP Aquaculture (India) Pvt Ltd, Chennai threw light on the potential investment arenas in aquaculture and explained the uniqueness of shrimp farming in both technical and commercial basis. In order to make fish/shrimp farming more profitable, strategies to improve aquaculture trade which is inevitable was shared by Mr. C. Wilson, Deputy Director, MPEDA, Nagapattinam. However, the emerging challenges in aquaculture trade should be troubleshoot as it hinders the development of seafood business which was explained by Mr.R.Yathavamoorthi, Assistant Director, EIA, Nellore. Mr. S. Kalugasalamurthy, an industrialist from Chennai dealt on retailing of farmed shrimps in India. Dr. M. Rajakumar, Director of Extension Education and Dr.P.Jawahar, Controller of Examinations have made the arrangements for the event. More than 150 fish farmers and stakeholders from Nagapattinam district attended the workshop.

DIRECTORATES

Celebration of International Women's Day

ICAR-Krishi Vigyan Kendra, TNJFU, Sikkal, Nagapattinam District celebrated International Women's Day on March 8, 2020 at the KVK, Sikkal. Dr. S. Muthukumar, SMS (Animal Husbandry) welcomed the gathering. Dr. R. Divya, Asst. Director of Horticulture presided over the meeting and delivered the importance of celebrating Women's day. Panchayat President Mrs. R. Vimala Raja insisted on the achievements made and development of women in various fields. Union council member Mrs.R.Gowri participated as special invitee in this program. Mr. K. Ragu, SMS (Horticulture), delivered lecture on Nutrition garden and kitchen garden cultivation technology. Dr. K. Chandrasekar, SMS (Plant Protection) delivered lecture on bio inputs preparation methods,

Musical chair competition and Passing the ball game were conducted among the participants and prize were distributed to the winners. Mr. E. Hino Fernando, SMS (Fisheries Extension) given vote of thanks.



KVK, Nagapattinam – Women's Day Special guest speech



KVK, Nagapattinam – Passing the Ball - Winners Price distribution

ICAR, KVK- TNJFU, Sikkal, Nagapattinam

Training on **Integrated Development of Small Ruminants and Rabbits.**

Venue : KVK Sikkal
from 12.03.2020 - 17.03.2020 (6 days)

Beneficiaries : 30

Course Director : Dr. S. Muthukumar SMS
(Animal Husbandry) KVK - Sikkal.

Funding : SAMETI

Type : Skill Training for Rural Youth (STRY)

Funding agency : ATMA - SAMETI

Technologies transferred and Demonstration were:

- Kid management- Brooding management
- Drunken Kid Disease.
- Diseases causing Kid mortality
- Azolla cultivation.
- Scientific feeding of Small Ruminants
- Scientific housing of Small Ruminants and Rabbits
- Fodder cultivation
- Hydroponic fodder cultivation
- Vaccination and deworming
- Disinfectant preparation and application
- Economics of Goat and rabbit farming
- Rabbit farming opportunities
- Ethnoveterinary formulation for PPR and FMD.



SMART- You Tube- Programme to the farm women at milk procurement center.

Training on Livestock management during COVID 19

SMART- COVID19 - Lockdown guidance Programme to farm women at milk collection point. Total number of farmers participated: 30 Nos, every batch consists of 6 farmers / batch. All the farm women were allowed with strict Sanitary, Social distancing- 6ft & precautionary measures. Face mask and hand sanitizer were given to the participants. Event coordination - SOS International NGO. In SMART guidance - Precautionary measures at different levels were explained by live YouTube Channel by Animal Husbandry Scientist- KVK, Nagapattinam.

Place: Sikkal

No of farmers attended: 30



COLLEGE NEWS

One-day Awareness Programme on Business opportunities in value added fish products

Under the NADP scheme entitled "Kayalagam" – The Future Store for Amplification of Marketing of Diversified Fish Products in Tamil Nadu, One-day awareness programme on "Business opportunities in value added fish products" held at IFAD training centre, Thillaivilagam, Muthupettai on 12th



March 2020. Dr.P. Karthickumar, Assistant Professor and Co Principal Investigator, welcomed the gathering and also gave the address on the need for the value added fish products and the various products that are available under Kayalagam. Mr. M. Chellam, District Implementation Director, PSTP (Post Tsunami Livelihood Programme) inaugurated the programme and requested the beneficiaries to make use of the Kayalagam scheme by learning value added fish products. Mr. R. Balasubramanian, Monitoring and Evaluation officer, PSTP spoke about funding and bank loan available for small enterprises. Dr. P. Karthickumar further proceeded with the program on explaining the nutritional value of seafood products, scope of business opportunities in value added fishery products, marketing strategies and facilities available in established Kayalagam. Sixty three fisherwomen from



eighteen SHG's in and around Thillaivilagam are benefitted from this training programme. The awareness programme was coordinated by Dr. P.Karthickumar and Balan K.

Tutorial Classes for SC Students by Eminent Experts for preparing National / International competitions

The College of Fisheries Engineering, Tamil Nadu Dr. J. Jayalalithaa Fisheries University, Nagapattinam organized Tutorial Personality Development Classes for SC Students from 12.03.2020 to 13.03.2020 at Seminar Hall. The sessions were handled by PR Radha, Smart Series Bangalore. The session includes Self motivation to set and achieve goals,



Tools and techniques to effectively manage the tasks within given time, Tools and techniques of problem solving and decision making. Ninety three beneficiaries attended this programme. Dr.M.Kamalakannan thanked the gathering. The programme was organized by Er.C.Mercy Amrita and Dr.M.Kamalakannan Assistant Professor. This programme was funded by ICAR-Strengthening and Development of Higher Education-SC-SP 2020.



ICAR DG Funded Tutorial classes for National and International Competitive Examinations in Fisheries Engineering for SC/ST Students

On 14.03.2020, tutorial classes for national and international competitive examinations for SC/ST students of College of Fisheries Engineering, Tamil Nadu Dr.J.Jayalalithaa Fisheries University, Nagapattinam has been conducted with



the financial support of ICAR DG. The students were given awareness on national and international competitive exams, preparative methods, and training for the skills relevant to cracking of the exams by JC. Er. S. Baraneedharan, Founder and Director of Aspire Academy, Nagapattinam. The event was co-ordinated by Dr.D.Kesavan, Assistant Professor, CoFE.



Aquaculture Pond Design Construction and Management Program

Aquaculture Pond Design Construction and Management Program was organized at College of Fisheries Engineering on 12.03.2020. The event was organized by Dr. Mohammad Tanveer, Associate Professor & Head, Department of Aquacultural Engineering. The sessions were held by Mr. C. Wilson, Deputy Director MPEDA, Nagapattinam and Mr. Natrajan, AD, Department of Fisheries, Nagapattinam. The program started with the basic lecture on Design and construction of Aquaculture Pond System and Hands on training and practical session was also conducted. The program was funded by ICAR DG SC-SP 2019-20. Participants from various places in and around Nagapattinam district attended the program.

Aquaponics Design Construction and Management Program

Training on Aquaponics Design Construction and Management Program was organized at College of Fisheries Engineering on 12.03.2020. The event was organized by

Dr.Mohammad Tanveer, Associate Professor & Head, Department of Aquacultural Engineering. The session was held by Dr. A. Gopalakannan, Program Coordinator at KVK, Sikkal, TNJFU, Nagapattinam. The program started with the basic lecture on Design and construction of Aquaponics System and Hands on training and practical session to the participants was carried out at KVK, Sikkal. The program was funded by ICAR DG SC - SP 2019-20. Participants from various places in and around Nagapattinam district attended the program.

One-day Awareness Programme on Business opportunities in value added fish products

Under the NADP scheme entitled “Kayalagam” – The Future Store for Amplification of Marketing of Diversified Fish Products in Tamil Nadu, One-day awareness programme on “Business opportunities in value added fish products” held at Sethupavasathiram, Thanjavur on 16th March 2020. Dr. P. Karthickumar, Assistant Professor and Co Principal Investigator welcomed the gathering and also gave the address on the need for the value added fish products and the various products that are available under Kayalagam.



Chief guest Mrs.S.Jegajothi (Panchayat President) spoke about the importance of value addition and how value addition helps for their empowerment. Mr. Sivamani (Village Administrative Officer) handed over the first training manual copy to the beneficiary. Further Dr.P.Karthickumar proceeded with the program on explaining the nutritional value of seafood products, scope of business opportunities in value added fishery products, marketing strategies and facilities available in established Kayalagam. He also requested the



SHG members to make use of the established Kayalagam in Thanjavur for their empowerment. Valedictory session headed by Mr. M. Chellam, District Implementation Director, PSTP (Post Tsunami Livelihood Programme) and motivated the beneficiary to learn the fish processing techniques. Seventy four fisherwomen from in and around Sethupavasathiram, Thanjavur benefitted from this training programme. The awareness programme was coordinated by Sumitha (IFAD Coordinator) and Balan (Research assistant).

Tutorial Classes for SC Students by Eminent Experts for preparing National / International competitions

The College of Energy and Environmental Engineering Tamil Nadu Dr. J. Jayalalithaa Fisheries University, Nagapattinam organized Tutorial Personality Development

Classes for SC Students on 11.03.2020 at Seminar Hall. Er.C.Mercy Amrita welcomed the gathering. The sessions were handled by PR Radha, Smart Series Bangalore. The session includes Self motivation to set and achieve goals, Tools and techniques to effectively manage the tasks within given time, Tools and techniques of problem solving and decision making. 82 beneficiaries attended this programme. Dr.M.Kamalakaran thanked the gathering. The programme was organized by Er.C.Mercy Amrita and Dr.M.Kamalakaran Assistant Professor. This programme was funded by ICAR-Strengthening and Development of Higher Education-SC-SP 2020.



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