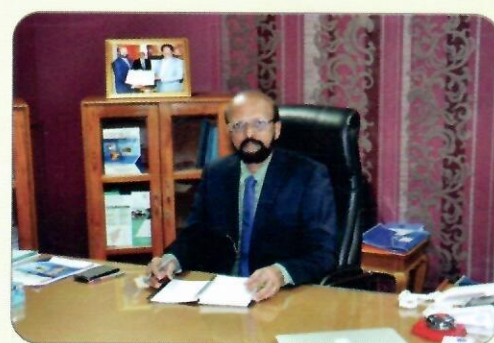


TN FU NEWS LETTER

Vol. 05 No. 08
AUGUST 2018

FROM THE DESK OF VICE – CHANCELLOR.....



The TNJFU signed two MoUs with the Indian Institute of Food Processing Technology, Thanjavur, Tamil Nadu and the Shanghai Ocean University, China during August 2018. These MoUs will serve to extend the research and academic activities of the TNJFU in the field of food processing.

I am happy to share that admission to all the 40 seats for the B.Tech. (Food Tech.) programme, a new flagship programme of the TNJFU from 2018-19 onwards, was completed in the first counselling held on 13.08.2018. The unstinted faith kept by the parents and students in the academic programmes of the TNJFU gives us the strength to go for new academic programmes every year.

Attended the "Aqua 2018", a mega international event, organized by the World Aquaculture Society (WAS) and the European Aquaculture Society (EAS) in Montpellier, France this month; also attended the Annual Board Meeting of the WAS at this venue on this occasion.

Chaired the fourth Research and Extension Education Council meetings of the TNJFU conducted at Chennai during this month. The deliberations of the meeting focused on re-orienting research activities to new thrust areas and modifying extension approaches through the ICT platform.

Prof. S. Felix
Vice - Chancellor

EVENTS



Counselling for admission to B.Tech.(Food Tech.) programme

Counselling for admission to B.Tech (Food Technology) program offered at the newly established College of Fish Nutrition and Food Technology (CFNFT), Chennai for the academic year 2018-19 was held at the Institute of Fisheries Postgraduate Studies (IFPGS), OMR, Vaniyanchavadi, Chennai on 13.08.2018 during which all the 40 seats were filled up. Prof.S. Felix, Vice-Chancellor handed over the admit cards to the selected candidates. Dr.K. Karal Marx, Dean, IFPGS and Dr. N. Felix, Dean i/c, CFNFT and Dr. S.A. Shanmugam, Chairman, UG Admission Committee & Controller of Examinations were present during the counselling.



TNJFU signs MoU with IIFPT

The TNJFU signed a Memorandum of Understanding with the Indian Institute of Food Processing Technology, Thanjavur (IIFPT) during the International Conference on Recent Advances in Food Processing Technology held at that Institute, Thanjavur on 17.08.2018. Prof.S.Felix, Vice-Chancellor, TNJFU and Dr. Anandharamakrishnan, Director, IIFPT signed the MoU in the presence of Dr. G. Jeyasekaran, Director of Research. The MoU facilitates students and faculty exchange and collaborative research activity in the field of fisheries science between the two institutions.

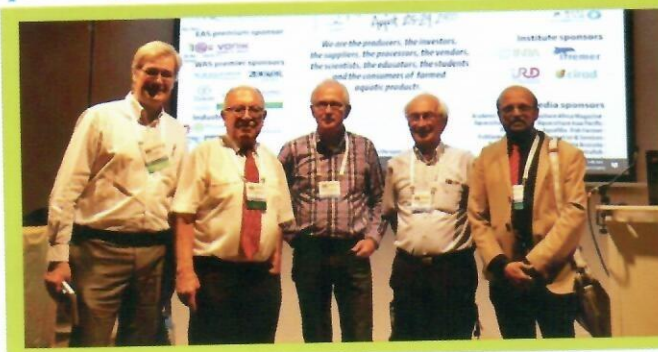
TNJFU inks MoU with Shanghai Ocean University

An Official delegation from the Faculty of Food Science and Technology (FFST) of Shanghai Ocean University (SHOU), Shanghai, China visited the Tamil Nadu Dr. J. Jayalalithaa Fisheries University from 07th to 09th, August, 2018 as part of the International Cooperation Project Agreement between both the Universities. The delegation comprised Prof. Jing Xie, Dean, Prof. Yong Zhao, Vice Dean, Prof. Wenhui Wu, Dept. of Marine Pharmaceutical, Prof. Bin Bao, and Dr. Jeevithan Elango, Dept. of Marine Pharmaceutical.



An MoU was signed between the TNJFU and the SHOU at Nagapattinam on 09.08.2018. Dr.G.Jeyasekaran, Director of Research i/c, TNJFU and Prof. Jing Xie signed the MoU for the mutual benefit of faculty, research scholars and students of both the universities.

Report on AQUA 2018



Prof. S. Felix, Vice-Chancellor attended the international conference AQUA 2018 jointly organised by World Aquaculture Society (WAS) and European Aquaculture Society (EAS) held at Montpellier, France during 22nd to 30th August, 2018. This event was represented by 110 countries. The Vice-Chancellor also attended the World Aquaculture Society Annual Board meeting 2018 held at AQUA 2018 in Montpellier, France. Various Chapter Presidents and Directors were present to discuss on the formation of new "African Chapter" in WAS as well as to know the progress of various activities in the chapters.

Fourth Research Council Meeting of the TNJFU

The 4th Meeting* of Research Council of TNJFU was conducted at ARTP, TNJFU Madhavaram Campus Chennai on 02.08.2018 under the Chairmanship of Prof. S. Felix, Vice-Chancellor. Besides the University Officers and nominated faculty members of the university, two experts



Dr. A. Ramadass, Scientist E & Head, Deep-sea Technology Division, NIOT, Dr. V. Arul, Professor & Head, Dept. of Biotechnology, Pondicherry University, two officials from funding agencies: Dr. K.R. Jahanmohan, Head, Agriculture Policy and Planning Division, State Planning Commission, Chennai, Dr. T.S. Viswanath, Senior Technical Executive, NFDB and two progressive entrepreneurs: Dr. M. Rajalekshmi, Director (Research and Development), Kemin Aquascience, Kemin Industries South Asia Pvt. Ltd., Chennai, Mrs. Emily Surjith Titus, Educationist, Chennai were also invited to attend the research council meeting.

Prof. S. Felix, Vice-Chancellor and Chairman, Research Council inaugurated the Research Council Meeting and in his inaugural remarks stressed on the importance of research council in orienting the staff towards research. Prof. G. Jeyasekaran, Director of Research and Member Secretary, Research Council welcomed the gathering and briefed the research activities of the TNJFU. Presentation on activities under prominent research projects were made by the respective investigators of the project. A total of 26 TNJFU research awards were presented to the faculty members in appreciation of their contribution in research in this meeting.

Fourth Extension Education Council Meeting of the TNJFU

The fourth Extension Education Council (EEC) meeting of the TNJFU was conducted at the Aquatic Rainbow Technology Park Complex, Madhavaram on 03.08.2018 under the



Chairmanship of Prof. S. Felix, Vice-Chancellor. In his inaugural address, Prof. S. Felix, Vice-Chancellor emphasized on ICT-enabled tools and online courses in fisheries, and diversifying training programmes conducted in the TNJFU especially giving more thrust to skill training programmes. Dr. M. Nagoor Meeran, Director of Extension Education and Member Secretary of the EEC presented the extension activities carried out in the different units of the TNJFU. All the University Officers, nominated faculty, two nominated members to the EEC: Dr. Santhanakrishnan, Tmt. Madhu Saran, two external experts: Dr. H. Philip, DEE, TNAU and Dr. Sarojkumar Swain, Principal Scientist, CIFA, Tmt. Chandra, JDF, three invited farmers Th.S. Veeramaindhan, Th. Samarasam and Th. Ravi attended the meeting and participated in the deliberations.

TNJFU awards received by the faculty and research scholars of FCRI, Thoothukudi

The following faculty staff and research scholars of the FCRI, Thoothukudi received awards during the Fourth meeting of Research Council of the TNJFU held on 02.08.2018:

- Dr. R. Jeyashakila, Professor & Head, Dept. of Fish Quality Assurance and Management received the "TNJFU Best Researcher Award" and appreciation awards for obtaining R&D project on "Bioprospecting for anti-osteoporotic collagen peptides derived from fish bones", for developing technologies on "Rapid fluorescent based formalin kit" and "Collagen peptides from fish bone by enzymatic hydrolysis"
- Mrs. R. Shalini, Asst. Professor received appreciation award for obtaining the new research project on "Monitoring of heavy metals in fish and shellfish species along the Indian coast and possible mitigation measures" funded by FSSAI
- Dr. V. Alamelu, Asst. Professor received appreciation award for obtaining the new research project on "Re-emergence of *V. vulnificus* risk in seafood safety in response to climatic changes" funded by SERB
- Ms. Lidiya Wilwet received appreciation award for the developed technology on "PCR-RFLP Markers for authentication of shrimp products" and the best research paper award for the paper entitled "A single enzyme PCR-RFLP protocol targeting 16S rRNA/tRNA region to authenticate four commercially important shrimp species in India"
- Mr. Sundhar received appreciation award for developing technology on "A rapid protocol for pesticide analysis in seaweeds by GC-MS"

72nd Independence Day celebrations

1. TNJFU Administrative Building

The 72nd Independence Day was celebrated at the TNJFU Vettar River View Campus, Nagapattinam on 15.08.2018. Prof. S. Felix, Vice - Chancellor hoisted the national flag at the TNJFU Administrative building. In his independence day address, the Vice-Chancellor called upon the students to develop positive attitudes on the developments taking place in India after attaining independence. He advised the faculty and students to sensitize themselves on the three major issues viz., population, poverty and climate changes faced by India. He requested all the university staff to vigorously adopt the new initiatives of clean campus, green campus and cashless transaction. As a part of the celebration, students speeches were organized on the theme entitled 'Current Scenario in Independent India'. The Vice-Chancellor distributed the awards to the selected staff and students for their meritorious performance.



2. Dr. M.G.R. FCRI, Ponneri

Dr. M.G.R. Fisheries College and Research Institute, Ponneri, celebrated the 72nd Independence Day at its main campus on



15.08.2018. Dr. B. Ahilan, Dean i/c of the institute, unfurled the National flag. As a part of the celebration, I B.F.Sc students Mr.Bhuvaneshwaran and Ms. Ritika Devi gave speeches on "Unity in diversity" and "Role of women in modern India", respectively. Three faculty staff and three students were honoured with TNJFU appreciation awards for their meritorious contributions on this occasion.

3. FCRI, Thoothukudi

The 72nd Independence Day was celebrated in a grand manner at the Fisheries College and Research Institute,



Thoothukudi on 15.08.2018. Dr.G.Sugumar, Dean unfurled the National Flag and delivered the Independence Day address. Mr.S.Nandhagopal and Ms.Amirtha Kayalvizhi of I B.F.Sc. delivered their speeches on patriotism in Tamil and English, respectively.

4. IFPGS, Vaniyanchavadi, Chennai

The 72nd Independence Day Celebration was held at the IFPGS, Chennai on 15.08.2018. Dr. K. Karal Marx, Dean, IFPGS hoisted the national flag and delivered the Independence Day address. Ms. Abbibrinda, and Mr. Jones Noel (I B.Tech. students) delivered speeches about the nation's independence.

5. DIVA, Muttukadu

The 72nd Independence Day was celebrated at the Directorate of Incubation and Vocational training in Aquaculture (DIVA) premises on 15.08.2018. Dr. N. Felix, Director i/c., DIVA, Muttukadu unfurled the national flag. On this occasion Th. E. Prabu, Ph.D. scholar, gave a special speech on our nation.

Shanghai Ocean University delegates' visit to FCRI, Thoothukudi

Prof. Jing Xie, Dean, College of Food Science and Technology, Shanghai Ocean University (SHOU), China with his team visited the FCRI, Thoothukudi during 7 – 8 August 2018 as part of the International Cooperation Project Agreement between both the Universities. The team interacted with staff and students and also visited all the departments of the institute.



Sadbhavana Diwas Day

1. Dr. M.G.R. FCRI, Ponneri

All the staff of Dr. M.G.R FCRI, Ponneri took the "Sadbhavana Diwas" pledge at the campus on 20.08.2018 in the presence of Dr.B.Ahilan, Dean i/c.



2. CoFE, Nagapattinam

The College of Fisheries Engineering, Nagapattinam observed the *Sadbhavana Diwas* Day in view of the birth



anniversary of former Prime Minister of India, Shri Rajiv Gandhi. In the presence of Dr. S. Balasubramanian, Dean, the faculty, students and staff took the *Sadbhavana Diwas* Pledge.

3. FCRI, Thoothukudi

As directed by the University, all staff and students of FCRI, Thoothukudi took the "Sadbhavana Diwas" pledge on 20th August, 2018 in the presence of Dr.G.Sugumar, Dean.



STUDENTS CORNER

First College Day & Sports Day celebrated at IFPGS, Vaniyanchavadi

The first College Day and Sports Day was celebrated with fervour and enthusiasm at the IFPGS, Vaniyanchavadi, Chennai on 14.08.2018. This event was inaugurated by Dr. K. Karal Marx, Dean, IFPGS. Sports events were conducted in the morning session and stage events were held during the evening. In this



event, Ms. Babitha welcomed the gathering which was followed by presidential address by Dr. K. Karal Marx. Dr. D. Kathiresan, Director of Clinics (Retd.), TANUVAS, Chennai was the Chief Guest of the day. Mr. S. Jones Noel, General Secretary delivered vote of thanks. This event was hosted by I B.Tech. students, Ms. G. Lavanya and Ms. R. Babitha, Dr. E. Suresh, Vice President - Students' Association and Mr.N. Daniel, Sports Secretary coordinated the function.

Lecture on "Research Concept Writer (RCW) - Developing Winning Research Proposals" for postgraduate students



Mrs.T.Umamaheswari, Assistant Professor, Department of Fisheries Extension, Economics and Statistics, FCRI, Thoothukudi who had attended a training programme on "Research Concept Writer (RCW) - Developing winning research proposals" conducted by NAARM, Hyderabad delivered a lecture on the above topic at the institute on 13.08.2018 for the benefit of faculty staff and postgraduate research scholars.

FCRI, Thoothukudi student won second prize in painting competition



Mr.T.Ganeshkumar, III B.F.Sc. student of the institute, won second prize in painting in the Inter-collegiate competition organized by Annammal College of Education for Women, Thoothukudi in association with Rotary Club of Tuticorin on 21.08.2018 on the theme "Refuse Plastics and Save Water".

FCRI, Thalainayeru student won first prize in poetry competition



Mr.J.Rujan, I B.F.Sc. student from the Dr.MGR FCRI, Thalainayeru won the 1st prize in district level poetry competition conducted by the Tamil Development Department, Nagapattinam on 29.06.2018. Thiru. O.S.Manian, Hon'ble Minister for Handlooms and Textiles gave the reward prize of cash Rs.5,000 and certificate to Mr.J.Rujan in the presence of Dr.S.Suresh Kumar, District Collector of Nagapattinam on 25.08.2018.

CoFE students participate in inter-collegiate competition

The IIIrd year B.Tech. (Fisheries Engineering) students of CoFE, Nagapattinam participated in VIYUGA, an inter-college



competition, organized by JCI Nagapattinam Sea City at Prime College of Architecture and Planning, Kilvelur on 25.08.2018.

NSS special camp conducted by students of Dr. M.G.R. FCRI, Ponneri

NSS special camp for the third year B.F.Sc students of the institute was conducted at Devampattu village, Thiruvallur district during 7th to 13th August, 2018. This programme was inaugurated on 07.08.2018 in the presence of Dr. Cheryl Antony,



Students Coordinator, Mr. Ravi, an ornamental fish farmer, Mr. M. Kalaivasan, NSS Programme Officer, Mr. P. Velmurugan, Asst. Professor. The camp lasted for seven days during which the students organized eye camp, veterinary camp, tree plantation program, *Swachh Bharat* awareness program for the benefit of people of the village.

RESEARCH HIGHLIGHTS

Induced Breeding of Pearlscale using HCG in HDPE Lined Ponds under Brackishwater

(Ezhilarasi V., S.Felix, T.L.S. Samuel Moses and B.Ahilan)



Fry



Fry stocking in hapa

Brooders (Total 25 Nos.) of average weight 102 g were selected and injected with HCG @1500 IU/Kg of fish at intraperitoneal region. For substrate and hideouts, flower pots and PVC pipes were placed in the ponds of 80 sq.m. Five sets of breeding was observed in pond. Eggs were found attached in flower pot. More than 1500 hatchlings were observed from single pair. 2000 Nos. of fry (1-2cm size) were collected and stocked in hapas for rearing.

OUTREACH PROGRAMMES

1. FCRI, Ponneri

Training and demonstration of Pearlscale breeding and culture technology

NFDB funded three-day (06-08-2018 to 08-08-2018) training and demonstration of Pearlscale breeding and culture technology was conducted at the Pulicat Research Field Facility (PRFF), Pulicat- an off campus facility of Dr. M.G.R. FCRI, Ponneri. A total



of 50 participants attended the programme. Dr. B. Ahilan, Dean i/c, Dr.M.G.R. FCRI, Ponneri distributed certificate and manual to the trainees in the valedictory function. Mr.Samuel Moses, Officer-in-Charge of PRFF coordinated the training activities.

Vellore District farmers visit Dr.M.G.R. FCRI, Ponneri



Fifty farmers led by Block Technical Manager, ATMA from Nemili block of Vellore District visited Dr. M.G.R. FCRI, Ponneri on 09.08.2018. Dr. B. Ahilan, Dean i/c addressed the farmers about the importance of aquaculture in doubling farmers income and the services provided by the institute to the farmers. Heads of the Departments of the institute briefed their activities to the audience. Ms. S. Agnes Daney Angela, Assistant Professor and Head, Department of Fisheries Extension, Economics and Statistics (DFEES) coordinated the exposure visit.

Awareness camp at Devampattu Village



Dr. M.G.R. FCRI, Ponneri conducted an awareness camp on "Government initiatives to boost ornamental fish farming" on 14.08.2018 at Devampattu village, Thiruvallur district. In this programme, Ms. Agnes Daney Angela, Asst. Professor & Head and Dr. C. Lloyd Chrispin, Asst. Professor, DFEES gave lectures. This program was organised by the DFEES of the institute in coordination with Mr.G.Ravi, President, FMC-10 Devampattu Ornamental Fish Farmers' Co-operative Society. Around 50 women residents of the village benefitted from the event.

Training on "Vannamei shrimp farming technology"

A three-day training programme on "Vannamei shrimp farming technology" was conducted at the Dr.M.G.R. FCRI, Ponneri from 28.08.2018 to 30.08.2018. Dr. B. Ahilan, Dean i/c inaugurated the programme. A total of six trainees from Tamil Nadu participated in the training. Department of Fisheries



Extension, Economics and Statistics (DFEES) of the institute organised this programme.

District level refresher training on asset insurance

Tamil Nadu Fisheries Department in association with International Fund for Agricultural Development (IFAD) organised a District level refresher training on asset insurance at



the Dr. M.G.R. FCRI, Ponneri on 29.08.2018. In the training, Ms. Agnes Daney Angela, Asst. Professor & Head, DFEES gave a talk on "Educational and Extension activities of Dr. M.G.R. FCRI, Ponneri" to 35 fishers who attended the training.

2. CoFE, Nagapattinam

Workshop on Computer aided modelling

A workshop on Computer aided modelling (sketching & advanced part modelling & assembly) – solid works was conducted on 25.08.2018 at CoFE, Nagapattinam. Dr. Balasubramanian, Dean highlighted the need for sketching &



advanced part modelling & assembly for solid works. Nine B.E. (Mechanical Engineering) students attended this programme.

Workshop on 'Business opportunities in dry fish products'

A workshop on 'Business opportunities in dry fish products' was organized by the Department of Fish Process Engineering of CoFE on 21.08.2018 at Nagapattinam. The program was inaugurated by Dr. S. Balasubramanian, Dean, CoFE. During



the program, Dr. K. Rathnakumar, Professor and Head, Dr. N. Manimehalai and Dr. P. Kārthickumar handled the technical sessions. About 40 college students attended this workshop.

TNMFUA, Chennai

Training Programme on Scientific Communication & Developing Winning Research Proposals

A training on "Scientific Communication and Developing Winning Research Proposals" was conducted by Tamil Nadu Dr. J. Jayalalithaa Fisheries University Academy (TNMFUA), Chennai in collaboration with National Academy of Agricultural Research Management (NAARM), Hyderabad during 2nd to 4th August, 2018 at Dr.MGR FCRI, Ponneri. Twenty six Assistant Professors of the University attended this programme. The Principal Scientists from NAARM served as resource persons for the training. In the valedictory function, Dr. Ch. Srinivasa Rao, Director, NAARM delivered the "Chief guest address" and distributed participation



certificates to the trainees. Dr. R. Senthiladeban, Director, TNJFUA proposed vote of thanks.

Field visit

On 10.08.2018, regular in-service trainees were taken to J.M.H.I Fish Market, Kavangarai and Vanagaram local fish market on field visit.



Directorate of CeSA, Thanjavur

TCeSA, Thanjavur

Training on "Ornamental fish culture"

A training on "Ornamental fish culture" was conducted during 06.08.2018 - 10.8.2018 at the Thanjavur Centre for Sustainable Aquaculture (TCeSA), Thanjavur. Dr.V.Senthilkumar, Assistant Professor and Head i/c., of the centre, Dr. S. Aanand,

Assistant Professor and Head i/c., Erode Bhavanisagar Centre for Sustainable Aquaculture and Th.Dinesh from Dinesh Aquatics served as resource persons for this programme. A total of 40 participants attended this programme.

Telephonic advisory programmes

Two telephonic advisory programmes were conducted at the TCeSA on 21.08.2018 and 22.08.2018 for the benefit of Ariyalur district fish farmers. Thirty three fish farmers participated in this programme from their respective villages.

PKKCeSA, Parakkai

Training on 'Value added fishery products'

Parakkai Kanniakumari Centre for Sustainable Aquaculture (PKKCeSA), Parakkai conducted a training programme on value added fishery products on 08.08.2017 and 09.08.2017. Twenty eight students of Women's Christian College, Nagercoil attended the programme. During the valedictory function, Prof.J.Stephen Sampath Kumar, Director, Centre for Sustainable Aquaculture distributed participation certificates to the trainees.

Directorate of Incubation and Vocational Training in Fisheries (DIVE), Mandapam

Conducted an off-campus programme entitled 'Responsible fishing' at Keelamundhal, Ramanathapuram on 20.08.2018. Dr.D. Sukumar, Director, DIVE gave a talk on sustainable fisheries management. Mr. R.Velmurugan, Assistant Professor gave presentations on responsible fishing methods to the fishermen. A total of 25 fisher folk attended the program.

Diary of Events

- The Vice-Chancellor chaired the 4th Research Council meeting of the University held at the conference Hall, ARTP on 02.08.2018.
- The Vice-Chancellor chaired the 4th Extension Education Council meeting of the University held at the ARTP, Madhavaram on 03.08.2018.

Editor-in-Chief

Prof. S. Felix, Ph.D.,
Vice-Chancellor, TNJFU

Editor

Dr. M. Nagoor Meeran, Ph.D.,
Director of Extension Education, TNJFU

Committee Members

Dr. J. Stephen Sampath Kumar, Ph.D.,
Director, DCeSA, Thanjavur

Dr. N. Felix, Ph.D.,
Director i/c., DATTI, Muttukkadu

Dr. D. Sukumar, Ph.D.,
Director, DFTTI, Mandapam

Tmt. G. Arul Oli
Assistant Professor, Dept. of Fisheries Extension, FCRI, Thoothukudi

Miss. S. Agnes Daney Angela
Assistant Professor, Dept. of Fisheries Extension, Tamil Nadu Dr. MGR FCRI, Ponneri

Published by

Director of Extension Education

Tamil Nadu Dr. J. Jayalalithaa Fisheries University

Vettar River View Campus,

Nagapattinam - 611 002.

Phone: 04365-256434/436

Email: dee@tnfu.ac.in