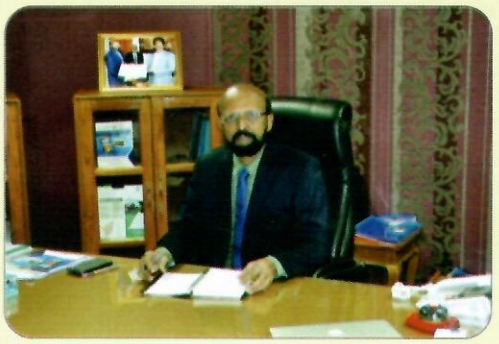
TAMIL NADU Dr. J. JAYALALITHAA
FISHERIES UNIVERSITY

TNFU NEWS LETTER

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

The first counseling for admission to B.F.Sc., programme for 2018-19 was conducted on 18.07.2018 in the gracious presence of the Hon'ble Minister for Fisheries and Pro-Chancellor of the university, Th.D. Jayakumar and Dr.Gopal, Secretary to the Govt., Dept. of Animal Husbandry, Dairying and Fisheries. First counseling for B.E. (F.Engg.) and B.Tech (Biotech) was conducted on 19.07.2018. Happy to share that most of the seats for these courses were filled up in the first counseling itself.

One happy news is that one more new course, B.Tech., (Food tech.) will be offered by TNJFU from 2018-19 onwards on self financing mode. This to the third new UG course started by the university after its formation in 2012. This course will be offered at the newly established College of Fish Nutrition and Food Technology at Madhavaram. Now UG courses are offered under four major faculties in the TNJFU. Hope to start a few more new courses in the university to produce highly talented human resource in fisheries and other related fields.

The National Fish Farmers Day was celebrated in a grand manner in all the constituent institutes of TNJFU. The major areas of focus in the celebrations were dissemination of improved technologies to the stakeholders, creating, awareness on fish as a health food among the public and career opportunities in fisheries education among the young school students.

Prof. S. Felix
Vice - Chancellor

EVENTS

TNJFU UG Admission 2018-19 – First Counselling



Counselling for admission to B.F.Sc., programme in TNJFU for the year 2018-19 was conducted at the Institute of Fisheries Post Graduate Studies, Vaniyanchavadi on 18.07.2018. A total of 151 seats were filled up in the counselling. Th. D. Jayakumar, Hon'ble Minister for Fisheries and Pro-Chancellor of the university handed over Admit cards to the selected candidates. Counselling for admission of B.E. (F.Engg.) and B.Tech (Biotechnology) was conducted on 19.07.2018 at the same venue. A total of 31 seats for B.E. (F.Engg.) and 40 seats for B.Tech (Biotechnology) were filled up. Under NRI category 12 students were admitted - 10 to B.F.Sc., programme and two to B.E. (F.Engg.) programme. Prof. S. Felix, Vice-Chancellor, Dr.K.Gopal, I.A.S., Principal Secretary, Dept. Of AHD&F, Dr. A. Srinivasan, Registrar i/c and Deans of respective colleges were present during the counselling. Dr. S.A. Shanmugam, Chairman, UG Admission Committee and Controller of Examination organized the counselling.

Hon'ble Union Minister for Agriculture and Farmers Welfare distributed fish seeds to cluster group cage farmers



Hon'ble Union Minister for Agriculture and Farmers' Welfare, Shri Radha Mohan Singh distributed the hatchery-reared seeds of silver pompano to eight fishermen doing open sea cage farming here at Mandapam on 01.07.2018 in a programme arranged in the cage farm site. This programme was organized by the Mandapam Regional Centre of the CMFRI in collaboration with the Directorate of Sustainable Aquaculture of TNJFU in which Director of Sustainable Aquaculture, TNJFU, Dr.J.Stephen Sampath Kumar along with Assistant Professor and Head i/c of MCeSA, Dr.C.Anand have participated. Under the NFDB-funded open sea cage culture project in Ramnathapuram dt., TNJFU has installed five open sea cages for this purpose in Thangachimadam coastal area. Silver pompano seeds measuring 2 - 3 inches were distributed to the farmers, for stocking in the marine cages under this project. Hon'ble union Agriculture Minister, after distributing the seeds, encouraged the cage farmers to grow fishes with sincerity and dedication. This programme was graced by Ms. Rani Kumudini, IAS., Chief Executive, NFDB, Mr.Sameeran, IAS, Director, Tamil Nadu Fisheries Department, Mr. Natarajan, IAS, District Collector, Ramanathapuram dt.

B.Tech., (Food Technology), a new course, started in TNJFU

The Govt. of Tamil Nadu accorded approval for starting a new course, B.Tech. (Food Technology), in the TNJFU from the academic year 2018-19. The programme will be offered under the Faculty of Nutrition and Food Technology in TNJFU under self finance mode. This course will be offered at the recently established College of Fish Nutrition and Food Technology, Madhavaram, Chennai with an annual intake of 40 students. The B.Tech., (Food Technology) course has been recognized as a professional degree course and the syllabus is approved by the ICAR. The course will be of four years duration which includes three years of course work and one year hands on training. The fee structure is Rs. 55,000/-/semester.

National Workshop - "PONSHRIMP'18"



Dr.M.G.R. FCRI, Ponneri organized the National Workshop "PONSHRIMP'18- Responsible Feeding Management" on 25.07.2018. Dr. B. Ahilan, Dean i/c, Dr.MGR FCRI, Ponneri and Convenor of PONSHRIMP'18 welcomed the gathering. The programme was inaugurated by the Chief Guest Dr. S. Santhana Krishnan, CEO, Maritech Ltd in the presence of Prof. S. Felix, Vice-Chancellor and other delegates. Dr.N.Felix, Director i/c, DIVA, delivered felicitation address in the inaugural ceremony. Technical sessions of the event had a total of seven presentations. The



technical session was followed by panel discussion. About 100 farmers participated in the event.

'National Fish Farmers Day' 2018 celebrations

1. FCRI, Thoothukudi

The FCRI, Thoothukudi organized the National Fish Farmers Day on 10.07.2018 at the college campus.. A total of 59



participants comprising fish farmers, fisheries entrepreneurs, ruralfolk and aqua industries personnel from Thoothukudi district attended the event.. In the inaugural session, Dr.C.Judith Betsy, Asst. Prof. welcomed the gathering. Dr.P.Velayutham, Dean i/c, in his presidential address, emphasised the importance of fish culture for enhancing fish production. Mrs. T.Umamaheswari, Asst. Prof. proposed vote of thanks. After the inaugural session,four technical lectures on important aspects of fish culture were delivered. Dr.S.Athithan, Professor & Head, Department of Aquaculture and Dr.K.Veerabhadran, Professor coordinated the event

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



To commemorate the National Fish Farmers Day (10th July), Dr. M.G.R FCRI, Ponneri and State Department of Fisheries, Ponneri jointly organised an awareness programme on "Recent issues and challenges in aquaculture". Dr. B. Ahilan, Dean i/c, inaugurated the awareness programme. The inauguration was followed by technical session in which three important topics were presented by senior faculty of the institute. Mr. G. Velan, Assistant Director of Fisheries, Tiruvallur district briefed on biosecurity in aquaculture as well as schemes operated by Tamil Nadu State Fisheries Department for the benefit of fish/shrimp farmers. Around 70 fish/shrimp farmers participated in the programme. Dept. of Fisheries Extension, Economics and Statistics organized the event. Dr. C. Lloyd Chrispin, Asst. Professor, DFEES and Mr. G. Ajay Anand, Sub- Inspector of Fisheries coordinated the arrangements for the event.

3. CoFE, Nagapattinam

College of Fisheries Engineering, Nagapattinam organized a farmers meet on a theme 'Vannamei shrimp farming' on the eve of



National Fish Farmers Day celebration on 10.07.2018 in a Shrimp Farm at Thethakudi, Vedharanyam taluk. Dr. S. Balasubramanian, Dean, CoFE presided over the function and delivered a lecture on the role of fish farmers to meet the protein requirements of our country. Mr. T. Anand, Assistant Professor, CoFE, handled a lecture on 'Current trends and future prospects in vannamei shrimp farming in Tamil Nadu'. Further, the water quality of shrimp farms in that region was analysed and solutions made for ameliorative measures. More than thirty shrimp farmers and technical advisors participated in this event. This event was coordinated by Mr. T. Anand and Dr. M. Kamalakannan, Assistant Professors. Vote of thanks was proposed by Mr. C. Ramachandran, Head, Shrimp Farmers Association.

4. Dr. M.G.R. FCRI, Thalainayeru

Dr.M.G.R. FCRI, Thalainayeru celebrated National Fish Farmers Day on 10.07.2018 at Arvind Fish Farm, Thirumakottai,



Thiruvarur district. A total of 25 fish farmers participated in the programme. Ms. T. Gowsalya, Teaching Assistant, welcomed the gathering. Dr.B. Sundaramoorthy, Dean i/c., presided over the function and highlighted the importance of National Fish Farmers Day. Dr. M. Rosalind Geroge, Th.M. Muruganantham, Th.S.Santhoshkumar and Th.A. Subburaj, faculty of the institute, delivered lectures on farming technologies for the benefit of fish farmers. Water quality testing demonstration was also done for the farmers by Ms. A. Poonkodi, Teaching Assistant.

5. Directorate of Extension Education, TNJFU, Nagapattinam

On the eve of the National Fish Farmers' Day on 10 .07.2018, the Directorate of Extension Education, TNJFU organized a Fish Farmers' meet at Kothankudi, Arasavanankadu, Kudavasal



Taluk. In the meeting, 32 farmers from Thiruvarur District participated .Dr. M. Nagoor Meeran, Director of Extension Education, explained them about the best management practices in fish culture which included quality seeds, size of seeds, species composition, quality feeds and feed management and management of water quality. The farmers raised concerns about the increasing feed and seed costs and also the widespread incidence of fish lice in fish ponds. Suitable preventive and control measures were suggested for this problem in the meeting.

6. ICAR-KVK, Sikkal

In the National Fish Farmers Day celebrations held at the ICAR-KVK, Sikkal, Dr.R.Santhakumar, Programme Coordinator welcomed the gathering and dealt on the importance of the day. Dr.M.Nagoor Meeran, DEE, TNJFU interacted with the farmers about the scientific fish culture technologies suitable for Nagapattinam district. A progressive IFS model farmer of Kilvelur



block Mr.G.Jeevanantham shared his successful experience in fish culture in the programme. A total of about 50 farmers attended the programme. Mr.N.Sampathkumar, Officer in charge proposed vote of thanks. Dr.R.Vimal, SMS (Veterinary) Mr.V.Gnanabharathi, Programme Asst. (Technical) and Mr.R.Vedharethinam, Farm Manager made all arrangements for the event.

7. DCeSA, Thanjavur

'National Fish Farmers Day' was celebrated at the Thanjavur Centre for Sustainable Aquaculture (TCeSA) on 10.07.2018 with the participation of fish farmers and the State Fisheries Dept. Officials. In this event, 80 farmers from Karur, Trichy, Thanjavur, Thiruvarur and Nagapattinam districts participated. Dr.V.Senthilkumar, Assistant Professor and Head, TCeSA



welcomed the gathering. Th.Chinnakuppan, Assistant Director o Fisheries, Thanjavur briefed about the welfare scheme implemented by the Fisheries Dept.. Dr.J.Stephen Sampathkuma Director, CeSA, the Chief Guest of the event delivered a specia address. Mr.Durairaj, Inspector of Fisheries proposed vote o thanks.

8. ECeSA, Bhavanisagar

The Erode Centre for Sustainable Aquaculture (ECeSA) Bhavanisagar celebrated the National Fish Farmers Day jointl with the State Dept. of Fisheries on 10.07.2018 and organise programmes for the students of Government Schoo Bhavanisagar. An exhibition with live specimens of culturabl species and popular ornamental fish varieties was also organise Dr.S.Aanand, Asst. Professor and Head, Dr.A.Suresh, Hatcher



Asst., ECeSA and Mrs. Sasikala, Inspector of Fisheries coordinate this programme.

9. KGCeSA, Kanniyakumari dt.



An awareness programme on shrimp farming in Kanniyakumari district was organised by the Kanniyakumari Ganapathipuram Centre for Sustainable Aquaculture, on July 10, 2018. A Technical presentation was held on this eve. Thirteen farmers attended this programme. Mr. Anix Vivek Santhiya, Asst. Professor of the centre organised this event.

10. KK Parakkai Centre for Sustainable Aquaculture, Parakkai

Kanniyakumari Parakkai Centre for Sustainable Aquaculture celebrated the National Fish Farmers' Day on 10.07.2018. During this occasion, an awareness programme on backyard farming of ornamental fish culture was conducted. Twenty five PG students from Department of Zoology, Scott



Christian College, Nagercoil attended the programme. Dr.S.Godwin Wesley, Professor (Rtd.), Department of Zoology, Scott Christian College, Nagercoil was invited as the chief guest for this event.

NEW PROJECTS

Recently, The following new Scheme were Sanctioned to the TNJFU under NADP

Sl. No.	P.P.No.	Name of the Scheme	Project cost (Rs. in lakhs)
1.	16.81	Establishment of "Recirculatory Seabass Aquaculture Technology Park" for Doubling the Income with Low Water Budgeting	350.00
2.	16.83	"Kayalagam" the Future Store for Amplification of Marketing of Diversified Fish Products in Tamil Nadu	250.00
3.	16.84	State referral lab for fish feed testing and quality certification	250.00

VC's VISITS

Annual Performance Review of faculty staff by the Vice-Chancellor

The Annual Performance Review of faculty staff of FCRI, Thoothukudi was conducted by the Vice-Chancellor, TNJFU at Thoothukudi on 11.07.2018. In this review, all the faculty staff presented their accomplishments made during the period from April 2017 to March 2018 and received inputs from the Vice-Chancellor for further improvement.

Vice-Chancellor's review of faculty

Annual review of faculty of Dr.M.G.R FCRI, Ponneri was conducted by Prof. S. Felix, Vice Chancellor on 12.07.2018.

STUDENTS CORNER

Public Viva-Voce for Ph.D. Student

Public viva-voce examination was held for Mr. A. Subburaj, Ph.D scholar in the discipline of Fisheries Resource Management at the FCRI,, Thoothukudi on his research thesis entitled, "Effects of selected endocrine disruptors on the biomarker enzymes, DNA and histology of Mozambique tilapia, *(Oreochromis mossambicus)*" on 14.07.2018. Faculty and 25 PG students of the institute actively



participated in the public viva. Mr.A. Subburaj successfully defended his work by convincingly answering the queries raised by the audience on the research work.

Swachh Bharat Summer Internship Programme

The CoFE-NSS team organized a 'Swachh Bharat Summer Internship' program in the adopted village (Kuthalam) on 01.07.2018. About 60 students of CoFE were involved in various



activities viz., street cleaning, around school cleaning, tree plantation, etc. This event was coordinated by Dr. M. Ramar, Assistant Professor.

Students Research Guidance Workshop (SRGW)

A workshop on "Student Research Guidance (SRGW)" was conducted on 30.07.2018 at the FCRI, Thoothukudi. This workshop was organized to improve the quality of research programmes of PG students 2017-18 batch. Dr.G.Sugumar, Dean and Coordinator of SRGW welcomed the gathering and elucidated the purpose of the SRGW. A total of 24 postgraduate students of 2017-18 batch(22 M.F.Sc. and 2 Ph.D.,) from FC&RI, Thoothukudi presented their research programmes in the workshop. Mr.Ranjith Manly, K.K. Life Sciences, Chennai and an Adjunct Faculty and senior faculty of the institute offered their valuable suggestions to improve the quality of research work of

the PG scholars. Dr.K.Karl Marx, Dean, IFPGS, Chennai, Dr. B.Ahilan, Dean i/c., Dr. M.G.R.FC&RI, Ponneri and Dr. J. Stephen Sampath Kumar, Director CeSAof TNJFU also participated and provided their inputs.Finally, the Technical Committee



summarized the outcome of the workshop. Dr.N.V.Sujathkumar, Professor and Head, Department of Fisheries Extension, Economics and Statistics and M.F.Sc. Co-ordinator made all the arrangements for the workshop.

RESEARCH HIGHLIGHTS

Study to extend the natural spawning of pearl spot breeding through environmental manipulation (photoperiod) and temperature.





Brooders of > 100g were selected for breeding. Three different temperature (26 ºC, 28 ºC and 30 ºC) and photoperiod (6L:18D, 8L:16D and 12L:12D) were used. The photoperiod directly influences the fish behaviour especially in their feeding and reproductive behaviour. Interruption of dark period by light exposure for several hours increased the number of egg masses in relation to the test animal kept in normal condition. The breeding is observed in 6L:18D duration. Further studies are in progress.

(P.Ruby, B. Ahilan, S.Felix and T.L.S. Samuel Moses)

OUTREACH PROGRAMMES

CoFE, Nagapattinam

One day workshop on 'Cook-chill technology for fishery products'

A one-day workshop on 'cook-chill technology for fishery products' was organized on 18.07.2018 at Metro Fish Processing Facility, CoFE. Twenty eight numbers of young entrepreneurs



from Nagapattinam district participated in this program. The participants were given hands-on-training to use Cook-chill technology for the preservation of ready-to-eat fish curry.

Training on "Aquaculture pond design, construction and management"

A one day training on "Aquaculture pond design, construction and management" was organized on 26.07.2018 at CoFE. Dr. Balasubramanian, Dean inaugurated the event and delivered a lecture on the role of fisheries engineering in the construction of aquaculture pond and its management. This program focused on site selection criteria for freshwater and brackishwater ponds and pond construction, engineering



measures in pond management. Twelve engineering students from Nagapattinam attended this programme. Dr. Mohammed Tanveer, Dr. M. Sivakumar and Er R. Regupathi, Assistant Professors organized this program.

Directorate of Extension Education, Nagapattinam

Participation in Agri-Intex 2018



The TNJFU participated in the 18th edition of Agri-Intex 2018 exhibition organized by the CODISSIA at Coimbatore during the period from 13.07.2018 to 16.07.2018. In the exhibition stall of the TNJFU, exhibits and displays on culturable fish species, popular ornamental fish varieties, value added fish products, fisheries technologies, educational DVDs on fisheries technologies, health benefits of eating fish and important activities of TNJFU and publications of the university were displayed. TNJFU publications and value-added fish products produced at the university were also sold in the exhibition. The Directorate of Extension Education coordinated the conduct of this programme. Dr.K Veerabhadran, Professor, Dept. of Fisheries Extension, Economics and Statistics made all arrangements for organizing the stall.

DIVA, Muttukadu

Training on "Cage culture of fishes"

A training programme on "Cage culture of fishes" was conducted at the Directorate of Incubation and Vocational Training in Aquaculture (DIVA), Muttukadu during 09.07.2018 – 13.07.2018. The programme was inaugurated by Dr. N. Felix, Director i/c., DIVA on 09.07.2018. Mr. Aniket from Nasik, Maharastra participated in this training. The trainee was exposed to the technologies and techniques involved in cage culture of fishes in reservoirs with hands on experience provided at Kolavai lake and Poondi reservoir. Th. B. Kannan, Technical officer and Th. S. Manavalan, Project Manager, DIVA, Muttukadu co-ordinated this program.



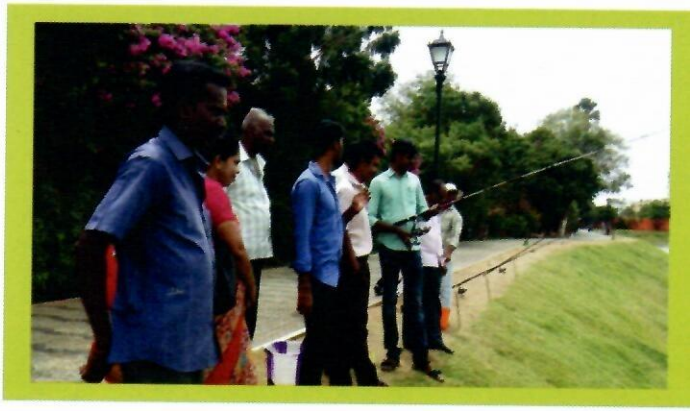
TNFUA, Chennai

Guest Lectures to in-service trainees

Mr. T.A.Faizul Ahamed, Shrimp Farm Technician, Microl Remedies Private Limited, Chennai delivered a guest lecture on "Shrimp culture technology" on 12.07.2018. He dealt with the topics such as site selection, water quality parameters and their management, feeding protocols and disease management in respect of vannamei farming.



Field visits



The in-service trainees (one year) were taken on field visits, as given below, during July 2018 as a part of their training.

- To ornamental fish farms in Kolathur area in Chennai on 06.07.2018 to get exposure on ornamental fish production and marketing, aquatic plants used in ornamental fish culture, feeding protocols and water quality management.
- To the Tamil Nadu State Apex Fisheries Cooperative Federation, Chennai to know the activities of the institute on 13.07.2018.
- To a vannamei shrimp farm located at Ponneri on 17.07.2018 to study the culture techniques.
- To the Tamil Nadu Fisheries Development Corporation, Chetpet on 27.07.2018 to study the various activities undertaken by TNFDC.

Publication of Manual:

Prof. S. Felix, Vice Chancellor released the book entitled "A Guide on Co-operative Law" (Revised and enlarged edition) TNCS Act 30 of 1983 and the Rules 1988, which was published by the TNJFU Academy, on 24.07.2018. The book would be useful to the sub ordinate officials of the Fisheries Department who are managing the fisheries co-operative societies in the state.



Training programme on preparation of value added fishery products at KKPCeSA

The Kanyakumari Parakkai Centre for Sustainable Aquaculture conducted a training programme on "Preparation of

value added fishery products" from 10.07.2018 to 12.07.2018. A total of 25 girl students from the Dept. of Zoology, Scott Christian College, Nagercoil attended the programme. In the Valedictory function of the programme held on 12.07.2018, Prof.V. Robin Perinba Smith, Professor and Head, Dept. of Zoology, Scott Christian College, Nagercoil was invited as the Chief Guest. Dr.K. Ravaneswaran, Prof. and Head, of the centre organised this programme.

Diary of events

- Honourable Minister for Fisheries and Pro-Chancellor of TNJFU Thiru D. Jayakumar, in the presence of the Vice-Chancellor, handed over the nomination letter to Ms. Madhu Saran for appointing her as a member to the Extension Education Council of the University at Chennai on 03.07.2018.
- The Vice-Chancellor attended the expert committee meeting constituted by DBT to evaluate and recommend the proposal of Phase II program of "Centre of Excellence – Fisheries and Aquaculture Biotechnology" at New Delhi on 04.07.18
- The Vice-Chancellor had a recording session on the topic 'Scope of Fisheries Science' at the Doordharshan station, Chennai on 07.07.2018
- Prof. S. Felix, Vice-Chancellor attended the meeting on "Start-ups and Skill Development" held at Anna University, Chennai on 10.07.2018
- The Vice-Chancellor conducted the Annual Review of the Staff of Fisheries College and Research Institute, Thoothukudi on 11.07.2018
- The Vice-Chancellor conducted the Annual Review of the Staff of Institute of Fisheries Postgraduate Studies, OMR, Vaniyanchavadi on 13.07.2018
- The Vice-Chancellor chaired the ninth Academic Council meeting of TNJFU held at ARTP, Chennai on 23.07.2018.
- Review meeting for the staff of TNJFUA, Directorate of Incubation and Vocational Training in Fisheries (DIVF) and Directorate of Incubation and Vocational Training in Aquaculture (DIVA) was conducted by the Vice-Chancellor at Chennai on 24.07.2018
- The Vice-Chancellor inaugurated the NFDB sponsored "All India Training and Demonstration Program on Healthy Shrimp and GIFT Tilapia Production using Biofloc Technology" held at West Bengal University of Animal and Fishery Science on 26.07.2018.
- The Vice-Chancellor graced the valedictory function of "All India Training and Demonstration Programme on Healthy Shrimp and GIFT Tilapia Production using Biofloc Technology" held at West Bengal University of Animal and Fishery Science on 28.07.2018.

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Director of Extension Education

Tamil Nadu Dr. J. Jayalalithaa Fisheries University

1st Line Beach Road,

Nagapattinam - 611 001.

Phone: 04365-240448

Email: dee@tnfu.ac.in

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