

4th NATIONAL TRAINING PROGRAMME ON ORNAMENTAL FISH CULTURE & AQUARIUM MANAGEMENT

06th – 12th November, 2017

*Technology extension for livelihood enhancement among
Unemployed rural SC/ST/Fisher Folks women*



Organized by

**Amity Thiruvananthapuram Center
for Marine Science and Technology,
Amity University Uttar
Pradesh, Noida**



Sponsored by

**Department of Scientific and
Industrial Research
(DSIR)
Government of India**



VENUE

Conference hall

**Amity Thiruvananthapuram Center for Marine Science and Technology
No. 3, Ravi Nagar, Ambalamukku, Peroorkada, P.O., Thiruvananthapuram-695005**

BACKGROUND

Introducing unemployed women in technological endeavours and realizing women's potential is a big challenge as they play a decisive role in many facets of livelihood activities. Capacity building through training programmes has a positive impact for motivating the rural women to adopt technologies. In order to enhance the livelihood of unemployed women in the society, Department of Scientific and Industrial Research (DSIR), Govt. of India, under Technology Development and Utilization Program for Women (TDUPW) provide schemes to implement Transfer of Technology with a focus on Women's Empowerment for Societal Development. The present training program is one of its kinds to impart hands on training and knowledge sharing in ornamental fish culture to empower women in the society. Ornamental fish farming sector is a multimillion-dollar business all over the world and the technologies used in the field can generate huge income and self-employment opportunities for women. In this context, a training on ornamental fish culture and aquarium management is imparted to the women community in rural backward class, it would not only help them to generate sustainable income through ornamental fish farming but also equip them to lead a self-reliant life in the society.

FOCAL THEMES

Fresh water ornamental fishes, Ornamental plants, Feeding and Nutrition, Breeding of Ornamental fishes, Larval rearing, Culture of live feeds, Disease management, Glass Aquarium Tank Construction and Setting, Aquarium management, Small scale Ornamental Fish Hatchery, Project Preparation, Marketing and Field visits.

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PROGRAMME

06-11-2017, Monday

INAUGURAL SESSION

10.00-10:05	-	Prayer
10:05- 10:10	-	Welcome Prof. Dr. V. JAYAPRAKAS
10:10-10:15	-	Presidential Address Padmashree Dr. P. PUSHPANGADAN
10:15- 10:30	-	Inaugural Address Mr. SHAJI ZACKARIA Deputy General Manager, NABARD, Thiruvananthapuram
10:30-10:35	-	Felicitation Dr. G. GOPAKUMAR, Advisor, CMFRI Dr. A. BIJUKUMAR, Dean, Faculty of Science, University of Kerala & Professor & Head, Dept. of Aquatic Biology and Fisheries
10:35 -10:40	-	Vote of Thanks Dr. D. SHERLY, Organizing Secretary
10:40-10:45	-	National Anthem

TECHNICAL SESSION

11:00-12:30	-	Introduction to common fresh water ornamental fishes, both exotic and Indigenous, ornamental fish keeping and culture and their commercial importance Dr. A. BIJU KUMAR, Professor & Head, DABF, University of Kerala.
12:30-1.30	-	Ornamental Aquatic Plants, their commercial importance and culture Dr. K. SOBHANAKUMAR, DGM, Matsyafed (Retd).
01:30-02:00	-	Lunch break
02:00-04:00	-	Breeding and larval rearing protocols of varieties of Ornamental fishes- Goldfish, Angelfish, Gouramies, Live bearers and Indigenous fishes Dr. BENO PEREIRA, Assistant professor, Dept. Of Zoology, University of Kerala.

07-11-2017, Tuesday

09:30-01:00	-	Lecture and hands on Training on induced breeding and natural breeding of Ornamental fishes Mr. PAUL, M. F., Azhikode Hatchery, Dept. of Fisheries, Govt. of Kerala.
01:00-02:00	-	Lunch break
02:00-04:00	-	Larval rearing, larval feeding and brood stock development of Ornamental fishes Smt. SANGEETHA N. R., State Co-ordinator, NETFISH, MPEDA

08-11-2017, Wednesday

09:30-11:00	-	Feeding habits and nutrition of ornamental fishes, feed formulation, pelletization and preparation of different types of supplementary feeds, floating pellets and sinking pellets Prof. (Dr.) V. JAYAPRAKAS, AI MST-AUUP, Thiruvananthapuram.
11.15-01:00	-	Lecture and demonstration of live feed culture: algae, infusoria, rotifer and Artemia culture Dr. G. GOPA KUMAR, Adviser, CMFRI Vizhinjam Center, Thiruvananthapuram.
01:00-02:00	-	Lunch break
02:00-04:00	-	Hands on training- showing the common feed ingredients, powdering, method of feed formulation, mixing the ingredients, how to pelletize using pelletizer Dr. D. SHERLY, Assistant Professor, All Saints' College, Thiruvananthapuram

09-11-2017, Thursday

09:30-01:00	-	Hands on training on live feeds culture techniques Mr. JUDINE JOHN CHACKO, Dept. of Fisheries, Govt. of Kerala.
01:00-02:00	-	Lunch break

02:00-04:00 - **Training on aquarium tank construction- lecture and demonstration on glass aquarium tank construction. Hands on work experience on fabrication of aquarium tank using glass plates.**
Mr. JAIN I. B., Research Assistant, ADAK, Dept. of Fisheries, Govt. of Kerala

10-11-2017, Friday

09:30- 11:30 - **Lecture and demonstration on Aquarium fish keeping and management- Hands on training and demonstration on how to handle common ornamental fishes. Setting up of aquarium tanks using aerator and filter, aquarium gadgets and equipments, their upkeep and management**
Dr. A. ANIL, Scientist I/C, CMFRI, Vizhinjam Center, Thiruvananthapuram.

11.30-01.30 - **Health management of ornamental fishes: common diseases and their symptoms occurring in the fresh water ornamental fishes and their management.**
Dr. SAYEED MOHAMMED, Assistant Professor, St. Albert's College, Kochi.

01:30-02:00 - **Lunch break**

02:00-03:00 - **Ornamental Fish Trade- Ornamental Fish Packing, Transportation and Quarantine regulations**
Dr. RENJITHKUMAR C. R., Former Technical Consultant, MPEDA.

VALEDICTORY SESSION

03.00- 03.15 - **Photo Session**
03.15- 03.20 - **Welcome Address**
Prof. Dr. V. JAYAPRAKAS, AIMST, AUUP, Thiruvananthapuram

03.20- 03.35 - **Valedictory Address, Certificate Distribution& Distribution of Aquarium Tanks and other Inputs**
Mr. U. S. SAJEEV

Executive Director, FIRMA

03.35- 03.40 - **Felicitation**
Smt. V. Regha, DGM (Aquaculture), Matsyafed

03.40- 03.45 - **Vote of Thanks**
Dr. SHERLY D., Organizing Secretary

03.45-03.50 - **National Anthem**

11-11-2017, Saturday

09:30-11:00 - **How to setup a small-scale freshwater ornamental fish hatchery with Indicative economics Better management practices**
Dr. B.SANTHOSH, Principal Scientist, CMFRI, Vizhinjam Center

11:00- 12.30 - **Water quality maintenance in Aquarium and ornamental fish hatchery and the use of test kits for periodic checking of water quality parameters**
Dr. SURYA, Scientist, CMFRI, Vizhinjam Center, Thiruvananthapuram.

12.30-01.30 - **Preparation of pilot scale projects and introduction of schemes, to avail financial assistance from Government, Nationalized banks and other agencies**
Dr. SIVA PRASAD, Dept. of Fisheries, Govt. of Kerala.

01.30- 02.00 - **Lunch break**

02.00-04.00 - ORNAMENTAL FISH FARMERS MEET

FIELD VISIT

12-11-2017, Sunday, 06:00 am-06:00 pm

Visit to Public Aquarium & Breeding Center, Neyyar dam
Visit to Marine Aquarium & CMFRI Research Center,
Vizhinjam, Thiruvananthapuram