

## Valedictory Session

Friday 31-03-2017

- 02:00- 02:15 - **Photo Session**  
02:15- 02:20 - **Welcome Address**  
Dr. A. Biju Kumar, Professor & Head, DABF, University of Kerala  
02:20- 02:25 - **Presidential Address**  
Prof. Dr. V. Jayaprakas, AIMST, AUUP, Thiruvananthapuram  
02:25- 02:30 - **Report on Training Program**  
Dr. Sherly Sambhu, Organizing Secretary  
02:30- 02:45 - **Valedictory Address & Certificate Distribution**  
**Dr. Pugazhenthii IFS**, Director, S. T. Development Dept., Govt. of Kerala  
02:45- 02:50 - **Felicitation**  
Mrs. K.M. Lathy, Addl. Director, Dept. of Fisheries  
02:50- 3.00 - **Vote of Thanks**  
Dr. Pramod Kiran, R.B., Assistant Professor, DABF, University of Kerala

## Advisory Committee

**Patron** : Dr. Asok K Chauhan, Founder President, RBEF & Amity Group of Institutions

**Vice Patrons:** Dr. Atul Chauhan, Chancellor, AUUP, Noida.

Dr. Balvinder Shukla, Vice Chancellor, AUUP, Noida

Mother Mary Elma, Manager, All Saints' College, Thiruvananthapuram

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Dr. Lalith M Bharadwaj, Dy. DG. ASTIF, ADSI, AUUP, Noida  
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Dr. V. George, Director, AIPP, Thiruvananthapuram  
Dr. A. Gopalakrishnan, Director, ICAR-CMFRI, Cochin  
Dr. Ashuthosh Srivastava, Coordinator, AIMST, AUUP, Noida  
Dr. P.M. Radhamony. Professor and Member, Syndicate, University of Kerala  
Dr. Biju Kumar A., Professor & Head, Dept. of Aquatic Biology & Fisheries

## Organizing Committee

**Chairman** : Prof. Dr. V. Jayaprakas, AIMST, AUUP, Thiruvananthapuram.

**Secretary** : Dr. D. Sherly Sambhu, Dept. of Zoology, All Saints' College

**Members** : Dr. T.G. Dhanalekshmi, Head, Dept. of Zoology, All Saints' College  
Dr. Pramod Kiran, R.B., Assistant Professor, DABF  
Dr. Kurian Mathew Abraham, Assistant Professor, DABF  
Dr. Mithun, S., Assistant Professor, DABF

## Correspondence

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## National Training Programme on Ornamental Fish Culture & Aquarium Management

March 25-31, 2017

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



*Jointly Organized by*

**Amity Institute of Marine Science and Technology,  
Thiruvananthapuram, AUUP**

**Department of Zoology, All Saints' College, Thiruvananthapuram**

**&**

**Department of Aquatic Biology & Fisheries, University of Kerala**



DSIR



## **Background:**

Introducing unemployed women in technological endeavors 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 Science and Industrial Research (DSIR), Govt. of India, under Technology Development and Utilization Program for Women (TDUPW) has come forward with 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 among 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 and Marine ornamental fishes, Ornamental plants, Feeding and Nutrition, Breeding of Ornamental fishes, Disease management, Aquarium Tank Construction and Setting, Aquarium management, Project Preparation, Marketing and Field visits.

## **Venue & Registration:**

The venue for the workshop is the Conference Hall of Dept. of Aquatic Biology & Fisheries. All registered delegates are eligible for free workshop materials, food, hand book and field visit tour conducting in connection with the training.

## **Programme**

**Saturday 25-03-2017**

### **Technical Session**

9:30-11:30 - **Introduction to ornamental fish keeping and culture: Recent Trends**  
Prof. (Dr.) Anna Mercy, Rtd., KUFOS, Kochi

11:30- 1:00&  
2.00- 3.00 - **Water quality management in Aquarium**  
Dr. Jean Jose, Asst. Professor, S.G. College, Kottarakkara

### **Inaugural Session**

3.00- 3.05 - **Prayer**  
3.05- 3.15 - **Welcome address**  
Prof. (Dr.) V. Jayaprakas, AI MST-AUUP, Thiruvananthapuram.  
3.15- 3.25 - **Presidential address**  
Dr. A. Biju Kumar, Professor & Head, DABF, University of Kerala  
3.25- 3.40 - **Inauguration**  
Mr. Ajayan, S., J.D. of Fisheries & G.M., KSCADC., Govt. of Kerala  
**Felicitation**  
3.40- 3.45 - Prof.Dr. P.M. Radhamony. Member of Syndicate, University of Kerala.  
3.45- 3.50 - Mrs. Amina, P.J., Chief Planning Officer, S.C. Development Dept.  
3.50- 3.55 - Mrs. Josephine, J., Planning Officer, S.T. Development Dept.  
3.55- 4.00 - **Vote of thanks**  
Dr. D. Sherly Sambhu, Dept. of Zoology, All Saints' College

## **Technical Session**

**Sunday 26-03-2017**

06:00 am - **Visit to Fish Farming Unit at Vettukad, TVPM, FIRMA**  
06:00 pm - **Visit to Public Aquarium & Breeding center at Neyyar dam, Visit to Marine Aquarium, Vizhinjam, TVPM.**

**Monday 27-03-2017**

09:30-11:00 - **Induced breeding and larval rearing protocols of goldfish, Angelfish, gouramies, live bearers and Miss Kerala**  
Dr. Eapen Jacob, Govt. Women's College, TVPM  
11:15-12:45 - **Larval rearing of ornamental fishes**  
Mr. Suhair, Dept. of Fisheries, Govt. of Kerala  
01:00-02:00 - **Lunch break**  
02:00-04:00 - **Management and setting up of small-scale ornamental fish hatchery**  
Mr. Suhair, Dept. of Fisheries, Govt. of Kerala

**Tuesday 28-03-2017**

09:30-11:00 - **Nutrition of ornamental fish: Feeding habits and feed formulation**  
Prof. (Dr.) V. Jayaprakas, AI MST-AUUP, Thiruvananthapuram.  
11.150-1:00 - **Hands on training on common feed ingredients, grinding, feed formulation, mixing ingredients, feed pelletization**  
Dr. D. Sherly, All Saints' College  
01:00-02:00 - **Lunch break**  
01:00-04:00 - **Live feed culture**  
Dr. G. Gopa Kumar, Emeritus Scientist, CMFRI, TVPM

**Wednesday 29-03-2017**

09:30-1:00 - **Demonstration on live feed culture of Artemia, rotifer, Infosuria**  
Mr. Judin, Dept. of Fisheries, Govt. of Kerala  
01:00-02:00 - **Lunch break**  
02:00-04:00 - **Hands on training and demonstration on aquarium tank Construction and setting**  
Mr. Jain, Research Assistant, ADAK, Dept. of Fisheries, Govt. of Kerala

**Thursday 30-03-2017**

09:30-11:30 - **Aquarium fish keeping and management: Training and Demonstration**  
Dr. A. Biju Kumar, Professor & Head, DABF, University of Kerala  
11:30-1:00 - **Aquatic health & Disease management. Packing, transportation and stocking, Quarantine rules**  
Dr. Pramod Kiran R. B., Asst. Professor, DABF, University of Kerala  
01:00-02:00 - **Lunch break**  
02:00-04:00 - **Preparation of pilot scale project and about various govt. schemes**  
Dr. Siva Prasad, Dept. of Fisheries, Govt. of Kerala.

**Friday 31-03-2017**

09:30-11:30 - **Aquarium Gadgets**  
Dr. J. Ebenasar, Associate Professor, Govt. College, Ootty, TN.  
11:30-1:00 - **Ornamental Aquatic Plants**  
Dr. Sheeja, Assistant Professor, Govt. College, Ootty, TN  
01:00-02:00 - **Lunch break**