

Eligibility

Staff/students of State Government of Fishery Department, ICAR Institutes, Universities including KVKs, from the field of life sciences, fish health management, nutrition, genetics, and aquaculturists are eligible to apply. All applications duly forwarded by the Head of the Institution (not required in case of private candidates) should be sent to the Course Coordinators at the address provided in the brochure. Photocopies of the format can also be used. A total of 20 participants will be selected after the screening.

Fees / Accommodation / Food Charges

Rs. 1000/person needs to be paid as course fees. The payment can be made at the venue on the first day of the program, either in cash or DD made in favour of ICAR Unit – CIFE. Accommodation and food charges will be extra and are to be borne by participants as per expenditure incurred. Boarding and lodging in the dormitory/twin sharing NonAC room (if available) - Rs.50-75/day, single room (if available) - Rs.150/250 (Non-AC/AC), while food charges would cost approximately Rs. 300/day.

Programme Director

Dr. Gopal Krishna
Director / Vice-Chancellor

Programme Co-Directors

Dr. K. V. Rajendran
Head, Aquatic Environment & Health
Management Division
Dr. N. K. Chadha
Head, Division of Aquaculture

Course Coordinators

Dr. Gayatri Tripathi
Dr. Paramita Banerjee Sawant

Course Co-Coordinator

Mr. Saurav Kumar

DATES TO REMEMBER

Last date for submission of application form
25 August 2016

Communication of acceptance
30 August 2016



All future correspondence may kindly be directed to:
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Dr. Paramita Banerjee Sawant, Senior Scientist
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HEALTH MANAGEMENT OF ORNAMENTAL FISHES

14 - 21 September 2016



ICAR-CIFE's

SKILL DEVELOPMENT PROGRAM



ICAR - Central Institute of Fisheries Education
Panch Marg, Off Yari Road, Versova, Andheri (W)
Mumbai-400 061, INDIA

Ornamental fish trade is worth more than US\$ 8 billion globally, with an average annual growth of 9%. About 1,800 species of fish are traded (guppies and neon tetra alone commanding more than 25% of global market) and 30 out of 1200 varieties of freshwater origin, such as guppies, platys, swordtails, mollies, neon tetra, angel fishes, gold fish, zebra, discus and barbs, dominate the market. High-value fishes such as Oscars, Discus and Arowana fetch a higher profit. Top exporting countries (with % contribution to global trade) are Singapore (20%), Czech Republic (8%), Malaysia (7%), Israel (4%), Sri Lanka (3%) and China (1%). Main importers are USA, European Union, and Japan. India's share in ornamental fish trade is estimated to be less than 1% of the global trade, majorly based on a wild collection of indigenous varieties from the North Eastern States of India and the Western Ghats. The domestic ornamental fish market is worth around Rs. 50 Crore.

The ornamental fish industry is one of the fastest growing sectors and is also recognized as an important source for meeting future self-employment and income generation in our country. Ornamental fish farming is an art and science-based economic and commercial activity involving the implementation of intensive fish culture. However, the practices for better production are not yet standardized and there is negligence about husbandry practices, thus facilitating disease outbreaks in ornamental fishes.

Today prevention and cure of common major disease entities and regular monitoring of health status have become an integral part of aquarium fish management which also include applications of an adequate dose of chemicals and drugs. The Aquatic Environment and Health Management Division and the Division of Aquaculture of the Institute are organizing a Skill Development Program on, "Health management of ornamental fishes", at the ICAR-Central Institute of Fisheries Education, Mumbai - 400061, from 14-21 September 2016.

CENTRAL INSTITUTE OF FISHERIES EDUCATION

The premier *alma mater* for fisheries in India, CIFE was established in 1961 as an in-service training centre, mainly to impart proficient training and education to the fisheries professionals; where trainees were exposed to various operative learning strategies so as to equip them to face the challenges of the fisheries sector. By the year 1979, CIFE came under the administrative control of the Indian Council of Agricultural Research. In recognition of its yeoman services and expertise, CIFE was deservedly conferred the Deemed-to-be-University status by University Grants Commission in 1989. Subsequently, the scope and mandate have been widened to include education as well as research. CIFE has made its mark in knowledge - driven economy and in the process of enriching the quality of fisheries education, received accreditation from ICAR for its academic programmes and has been providing a need-based

curriculum, with tailor made extracurricular activities for the holistic development of fisheries professionals. The Institute is located about 9 km away from the domestic and international airports, 20 km from Dadar and 5 km from Andheri railway station. Mumbai, the financial capital of India, is well connected by air, rail, and road with all cities of India. The climate is moderately warm during September, and participants are advised to carry light clothing.

Areas to be addressed

- **Current scenario of ornamental fish farming in India**
- **Culture and rearing of common ornamental fishes**
- **Health Management of ornamental fishes**
- **Disease diagnosis and control measures of most prevailing bacterial/parasitic/viral diseases of ornamental fishes**
- **Best management practices and prophylaxis for ornamental fish farming**

The purpose of the training is to impart hands-on training to aquarists, entrepreneurs in the effective management of diseases in ornamental fishes. This includes identifying various diseases/pathogens, their diagnoses and effective control and prevention strategies. The role of environmental/water quality parameters in the overall management of the health of fish will be an integral component.

FORMAT FOR APPLICATION

Name of the Training Program

Signature & designation of the sponsoring authority

Name of the candidate

**Full address of candidate for
correspondence with
phone/mobile/fax/email**

Qualification (the last degree attained)

**It is certified that the information was
furnished by me is correct as per office
records.**

Signature of the applicant

Date.....