# Prospectus of Online Training on Mariculture Technologies for the Asia-Pacific Region

**Organizers**

Department of International Cooperation, Ministry of Agriculture and Rural Affairs, China

Network of Aquaculture Centres in Asia-Pacific (NACA)

**Host**

Yellow Sea Fisheries Research Institute (YSFRI), Chinese Academy of Fishery Sciences (Training Base for Mariculture Technologies, Ministry of Agriculture and Rural affairs, China)

The Secretary of NACA

**Training Approach and Date**

Training Approach: Online training

Date: September 21 to 25, 2020

**Objectives**

This program aims to help developing countries strengthen the capacity building of fishery human resources, upgrade the management and technology level of aquaculture in marine fisheries, and cultivate highly skilled professionals and management personnel, thereby contributing to the healthy and sustainable development of aquaculture in the world.

## Contents

The training includes the following courses: mariculture biological strains breeding, scale breeding, disease control and prevention, nutrition feed research and development, breeding model construction and farming technology development, breeding facilities and equipment research, development and engineering construction theory and technology, and quality and safety inspection technology for aquatic products.

## Outcomes

1. A certificate of completion of the training;

2. Improvement of the understanding in interdisciplinary knowledge and technologies related to mariculture in China;

3. Establishment of connection with YSFRI and NACA;

4. Building up friendship and network with Chinese experts and trainees.

## Date, Language and Enrollment

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| Date | September 21-25, 2020 |
| Enrollment | 80-100 people |
| Trainees | Officials of fishery department, scientific researchers of fishery institutions, technicians of fishery enterprises and personnel of other fishery organizations from developing countries |
| Language | English |

## Qualifications for Trainees

1. Government officials, researchers, enterprise managers, and technicians from developing countries;

2. Be capable of English listening, speaking, reading, and writing;

3. Be familiar with the status of the marine cultivation industry or technology development of their countries;

4. Be sure to participate entirely in the training.

## Application and Admission

1. Applicants should complete the online application and send the following materials to ice@ysfri.ac.cn **by September 19th, 2020**:

* Application form;
* Curriculum vitae, including your current affiliation;
* Scanned copy of the first page of the passport or National Identification Card;

Please note that the attachments of your email can not exceed 20 MB. Otherwise, we cannot receive it.

2. After the approval, an admission letter and an invitation letter will be issued to the accepted applicants.

## Introduction of YSFRI

Yellow Sea Fisheries Research Institute, Chinese Academy of Fishery Sciences (YSFRI), located in Qingdao, is a public welfare research institution under the supervision of the Ministry of Agriculture and Rural Affairs, China. The institute, founded in January 1947, is the oldest multidisciplinary research institute of marine fisheries and aquaculture in China. With an enduring dedication to the pursuit of academic excellence for nearly 70 years, YSFRI has made great efforts in many fields of mariculture, including mariculture mode and technique, genetic breeding, disease prevention and control, and processing, safety and quality of aquatic products. The institute made outstanding contributions to the development of mariculture research and industry in China. To date, the institute has established artificial propagation and culture techniques for more than 30 commercially important marine species, developed 15 new varieties for mariculture species, and set up and optimized several mariculture models, such as integrated multi-trophic aquaculture (IMTA) for coastal culture, IMTA for pond culture, land-based industrialized mariculture, offshore net cage culture, and sea ranching. The institute has also overcome a series of technological hurdles of aquatic pathogen detection, invented rapid on-field detection kits for over 20 aquatic pathogens, established and optimized deep processing techniques for aquatic products, and developed testing methods and inspection technologies for aquatic products safety and quality.

At present, YSFRI has 10 research divisions, 3 experimental bases, and 4 research vessels equipped with state-of-the-art facilities to carry out fisheries researches. YSFRI has 415 faculty and staff members, including 2 academicians of the Chinese Academy of Engineering (CAE) and 160 senior scientists, 30 of whom are Ph.D. supervisors, and 110 are M.A. supervisors. Currently, YSFRI’s postdoctoral program offers research opportunities for more than 30 postdoctoral scholars.