



Network of Aquaculture Centres in Asia-Pacific
SUSTAINABLE AQUACULTURE AND AQUATIC RESOURCE MANAGEMENT

In collaboration with:
Krabi Coastal Fisheries Research and Development Center
Department of Fisheries, Thailand

Announces:

The 9th Regional Training Course on: Marine Finfish Seed Production and Grow-out

Date: 19 – 30 November 2018

Venue: Krabi Coastal Fisheries Research and Development Center, Thailand

Marine finfish culture has been significantly contributing to fish production and rural economy in coastal communities in Asia and playing important roles in conservation of the fragile coral reef fishes which are increasingly being threatened with overfishing and habitat destruction. During past a few decades, substantial advances have been made in science and technology on marine finfish aquaculture and the region has accumulated a wealth of knowledge and technical expertise. To facilitate information exchange and technology extension for sustainable development of marine finfish culture, the Network of Aquaculture Centres in Asia-Pacific in collaboration with partners in the region has been conducting a training course on Marine Finfish Seed Production and Grow-out Techniques over the years and the 9th sequel of the training course is now open for application.

Drawing expertise throughout the region and supported by experienced field experts in collaborating centres, this two-week highly hands-on training course aims to provide participants with a favourable learning environment to update their knowledge and enhance their skills in marine finfish seed production and grow-out operations with an emphasis on groupers and Asian seabass.

Who should apply?

Professionals who are interested in or in needs of:

- Upgrading **knowledge** in marine finfish production
- Enhancing **skills** in marine finfish hatchery and grow-out operation
- Looking for **innovative ideas**
- Improving efficiency and profitability of **business operation**
- Building academic and business **connections**



Who are the trainers?

- Academicians and fish biologists from leading universities and research institutes specialized in marine aquaculture
- Experts in phytoplankton and zooplankton labs and live feed production
- Experienced hatchery technicians
- Professionals from commercial companies and hatcheries



What to learn?

You will practice broodstock selection and maintenance, induce fish to spawn, incubate eggs, prepare live feed and develop feeding regimes for newly hatched larvae, practice early and advanced nursing, seed harvesting, packaging and transportation and observe grow-out operations. You will also be presented with a theoretical background on biology, reproductive physiology, nutrition and health management. Field visits will showcase production technology and operation of small and medium-scale grouper hatcheries, nurseries, grow-out farms, live feed production and supply, and live seafood export in Thailand. Some government research and extension institutes will also be visited. Topics covered in the training course include:

- Biology of major cultured marine finfish (groupers, seabass, snapper, and pompano)
- Site Selection, Hatchery Design, Equipment and Setup
- Broodstock Selection and Management
- Eggs Handling and Incubation
- Water Quality Management
- Nutrition, Feed and Feeding for Marine Finfish Larvae
- Live Food Production
- Larviculture and Fry Nursing
- Biosecurity
- Diseases and Fish Health Management
- Harvest, Packaging and Transportation of Fish Seed
- Grow-out Operation
- Aquaculture Business Management and Investment appraisal

Seminars of special interests:

- Production techniques of mud crabs
- Marine ornamental fish: major species, production and market perspectives

The training course will be conducted in **English**

Training activities

- Lectures, discussion and classroom exercises: (30% of training time)
- Hands-on practices (50% of training time)
- Field trips and others (20% of training time)

How to apply?

Download the application form from NACA website, fill in and send it to NACA through post, fax or email or apply online.



Course fee:

Payment dates	<i>Fee for participants from NACA members</i>	<i>Fee for participants from non-NACA members</i>
Before and on 5 th Nov. 2018	US\$1,800	US\$2,000
After 5 th Nov. 2018	US\$ 2,000	US\$ 2,300

The course fee covers costs for tuition, working lunches, coffee/tea breaks, airport pickup, local transportation and materials and supplies for training related activities. The fee does not cover the costs for international and domestic flights, accommodation and other personal expenses.

Contact us:

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