

CIBA

Central Institute of Brackishwater Aquaculture Chennai

Course

1. Controlled Breeding, Seed Production and Culture of Asian Seabass, *Lates calcarifer*

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CIBA is situated at Chennai in the southern state of India. The institute focuses on the production of quality seed under controlled conditions and culturing them by adopting techno economically viable practices. The technology for breeding , seed production and culture of Asian seabass (*Lates calcarifer*) has been developed by Central I nstitute of Brackishwater Aquaculture, which can be adopted for the aquaculture practice.

1. Controlled Breeding, Seed Production and Culture of Asian Seabass *Lates calcarifer*

Objectives

To equip the participants with hands on experience in the techniques for the seed production under controlled conditions and culture of Asian seabass.

Faculties

About 12 experienced Scientists/Technicians in controlled breeding, seed production and culture of Asian Seabass will constitute the core of Faculty and guest lectures will be delivered by Scientists/Academicians invited from Universities and ICAR Institutes.

Course Director	: Dr A G Ponniah Director Central Institute of Brackishwater Aquaculture
Course Coordinator	: Dr A R T Arasu Principal Scientist & Head Fish Culture Division Central Institute of Brackishwater Aquaculture
Course Co-coordinators	: Dr M Kailasam, Senior Scientist & Dr J K Sundaray, Senior Scientist, Central Institute of Brackishwater Aquaculture
Course duration	: 15 days (1–15 July 2009)
Course Fee	: 1,000 US\$ per Trainee
Eligibility	: Masters Degree in Fishery Science/ Aquaculture/Marine Biology/Zoology/ Biology/Biotechnology
No. of Trainees	: 10 per course
Accommodation	: Will be arranged in the available facilities of the Institute and Hotels in the city

Course Contents

- Biology of seabass *Lates calcarifer*
- Procurement, transportation and acclimatization of fishes for broodstock development
- Broodstock maintenance
 - Fish broodstock health management
 - Feeding practices and nutritional requirements
 - Water quality management
 - Tagging and monitoring broodstock performance
- Breeding techniques
 - Hormonal induced maturation
 - Natural maturation and breeding under controlled environmental conditions
 - Protocols for controlled breeding
- Larval rearing
 - Live feed culture
 - Management procedures for successful quality seed production

- Management of differential growth and cannibalism
- Oxidative stress and its amelioration with antibiotics
- Nursery rearing under different rearing systems
- Culture
 - In pond systems under different input regimes
 - Cage culture
- Nutrition and feeding in hatchery, nursery and grow-out ponds

