



CAN THO UNIVERSITY



College of Aquaculture and Fisheries

Education, Research and Transfer of Technology for Sustainable Development of Aquaculture and Aquatic Resources Management



2012

Introduction

The college of Aquaculture and Fisheries – CAF, Can Tho University - CTU, was established in 1979. For over 30 years, CAF has been always attempting and developing itself to fulfill its missions of education, research and technical transfer on the areas of aquaculture and fisheries in order to meet the need of manpower and advanced technology for the development of aquaculture and fisheries in Viet Nam, and the Mekong Delta, particularly.

At present, CAF has 107 staffs, of which there are 61 instructors and 43 researchers, holding different titles and degrees (12 Associate professors, 34 PhD, and 41 Masters). CAF has 7 departments as follows:

- Dept. of Applied Hydrobiology
- Dept. of Aquatic Animal Pathology
- Dept. of Aquatic Nutrition and Products Processing
- Dept. of Freshwater Aquaculture
- Dept. of Coastal Aquaculture
- Dept. of Fisheries Management and Economics
- Administration Unit

CAF has a system of advanced laboratories, hatcheries, and field stations in both freshwater and brackish water areas, which perfectly meet the functions of education, research and technical transfer locally and internationally.

Since established, CAF has over 3,000 alumni. Currently, CAF has around 1,700 undergraduates, 150 master and 30 PhD students.

In recent years (2006 – 2013), CAF has conducted more than 200 research projects in different fields, published a large number of scientific papers and contributed significantly to the practical production of aquaculture and fisheries in the region.



Academic Program

Undergraduate Programs (120 credits)

- Aquaculture
- Aquatic Animal Pathology
- Aquatic Resources Management
- Fisheries Economics
- Aquatic Products Processing Technology
- Mariculture and Marine Resources Conservation
- Advanced Program in Aquaculture (138 credits)
- Transferred Program in Aquaculture
- Transferred Program in Aquatic Products Processing Technology

Graduate Programs (55 credits)

- Aquaculture
- Aquatic Resources Management

PhD programs (3–4 years)

- Aquaculture



Research

Aquatic biology and physiology: biology of indigenous fish, environmental effects (e.g. water salinity, dissolved oxygen, temperature, pH, etc.) on ion exchange, osmo-regulation, respiration, fish growth, survival rate of fish and shrimp; effects of drugs and chemicals on fish and shrimps.

Aquatic resources and environment: biodiversity, distribution and population dynamics of aquatic organisms; water quality and management; bio-indicators and aquatic resources management.

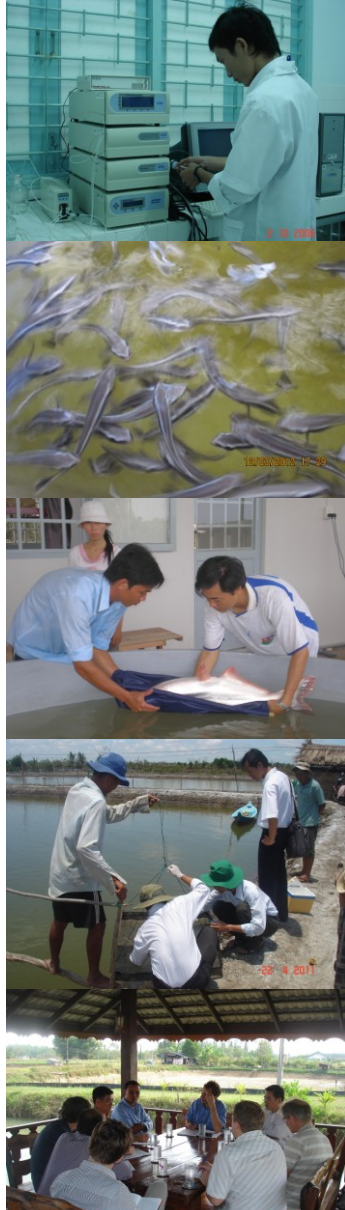
Fish nutrition and feeding: nutrition requirements, feed formulations and feeding schemes for commercially cultured species, such as *Pangasius catfish*, snake-head fish, tilapia, etc.; live food culture such as microalgae, rotifers, *Artemia*, etc.

Aquaculture technology: applying and developing new technologies for seed production and farming systems of commercially cultured species such as freshwater fish (especially catfish), marine fish (cobia, groupers...), crustacean (freshwater prawn, shrimps, crabs), mollusks and seaweeds.

Aquatic pathology: diagnosis, prevention and treatment of disease pathogens from cultured species.

Aquatic animal genetics: Genetic studies applied for biodiversity, natural management and seed selection of different indigenous species

Fisheries economics and management: socio-economics, production and value chain, management and sustainability of fisheries.



Training and transfer of technology

CAF regularly offers training courses for national and international participants as follows:

1. Seed production and farming of freshwater and brackish water species (catfish, snakeheads, tiger shrimps, freshwater prawn, mud crabs, etc.)
2. Live food culture and use (*Artemia*, rotifers, algae, etc.)
3. Water quality analysis and pond management
4. Fish nutrition analysis and feeding formulation in aquaculture
5. Fish and crustacean disease diagnosis and treatment (e.g. WSSV, HYV, GAV in shrimp; bacterial and parasite diseases of *Pangasius catfish*, and other species)
6. Field trips to aquaculture farms and ecosystems in the Mekong Delta regions.
7. International consultation and expert exchange in education, research and innovation of aquaculture projects.
8. Consultation services for national and international aquaculture projects.



Collaboration

National Universities and Institutions

- Vietnam Fisheries and Aquaculture Institution Network (ViFINET).

International Universities and Organizations

- Asian Institute of Technology (AIT)
- Kasersat University (KU - Thailand)
- Prince of Songkla University (PSU – Thailand)
- Rajamangala University of Technology Srivijaya (RMUTSV- Thailand)
- Universiti Malaysia Terengganu (UMT - Malaysia)
- Universiti Sains Malaysia (USM – Malaysia)
- Airlangga Universiti (AU- Indonesia)
- Nationalt Penghu University of Technology (Taiwan)
- Nationalt Taiwan Ocean University (Taiwan)
- Kagoshima University (Japan)
- Tokyo University of Marine Science and Technology (Japan)
- Nagashaki University (Japan)
- Osaka University (Japan)
- Ghent University (Belgium)
- Namur University (Belgium)
- Wageningen University (The Netherland),
- University of Aarhus (Denmark)
- Stirling University (Scotland)
- Auburn University (AU-USA)
- Michigan State University (MSU – USA)
- Network of Aquaculture in Asia and Pacific (NACA)
- European Union (EU)
- Res. Inst. for Fish Culture and Irrigation (Hungary)
- Food and Agriculture Organization (FAO)
- NAGAO (Japan)

Contact address: College of Aquaculture and Fisheries – Can Tho University
3/2 street, Ninh Kieu district, Can Tho City, Viet Nam
Phone: 84-7103-834307 Fax: 84-7103-830323
<http://caf.ctu.edu.vn>

