

MINISTRY OF FISHERIES

RESEARCH INSTITUTE FOR AQUACULTURE No 2



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1. Biological natures and processes of shrimp/fish breeding and culture.
2. Gene sources selection and preservation. Application of advanced techniques of genetics in new species hybridization for higher yield and better quality.
3. Scientific basics of biomass culture techniques of living food and application on large scales to satisfy nutritional demand in larval stages of high value species.

2.1.3 Division of Fish and Shrimp Diseases

Responsible for scientific studies of :

1. Relationship between environmental factors and epidemic diseases in aquaculture.
2. Diagnosis and identification of pathogenous factors for cultured species by applying the technologies of Microbiology, Virology, Immunology, Parasitology, Histology...
3. Integratedly technical solutions applied to develop culturing models for pathogen-free aquaculture.

2.2 Sub-Institute and Research Centers

To fulfil the given tasks and functions, RIA 2 has set up its subordinate research units including Minh Hai Sub-Institute for Fisheries Research in Ca Mau province, Vung Tau Research Center for Shrimp Culture, Research Center for Aquaculture in the Mekong Delta, Research Center of Bio-Technologies for Aquatic-product Processing, Thu Duc Experimental Station for Aquaculture.

2.2.1 Minh Hai Sub-Institute for Fisheries Research

Address : 21 - 24 Phan Ngoc Hien Road, Ward 6, Ca Mau Provincial Town, Ca Mau Province (380km from HCMC).
 Phone number : 84.0780.830090. Head Office with the Division of Environment, Fishery Resources and Diseases, Division of Fishery Breeding and Culturing Techniques covers an area of 860m². In addition, the Sub-Institute possesses an Experimental Station for marine species breeding and culture with the area of 235,700m², located in Bac Lieu province. In its planning, the Sub-institute will set up an Experimental Station for marine species breeding and culture in Ngoc Hien (Ca Mau province), and an Experimental Station for fresh-water species breeding and culture in Bac Lieu.

The main tasks and functions of the Sub-Institute :

1. Investigate and research aquatic environment, fisheries resources, fisheries resources protection in coastal zones, islands belonging to Ca Mau, Bac Lieu provinces and adjacent areas.
2. Produce, transfer and acclimatize, on experimental scale, high economic species.
3. Study fish and shrimp diseases.
4. Develop models for fisheries exploiting and culturing in Ca Mau, Bac Lieu provinces and adjacent areas.
5. Organize technical training courses and carry out fisheries extension activities.
6. Supply services and transfer technologies of fishery exploiting and aquaculture.

2.2.2 Vung Tau Research Center for Shrimp Culture

Office address : 2 Thuy Van Street, Vung Tau Provincial Town (125km from HCMC), Ba Ria-Vung Tau Province. Phone number : 84.064.857126. The Center covers an area of 58,300m² including one shrimp hatchery and one shrimp grow-out farm which were built in 1985 with the financial support of Australian Government through the Mekong Secretariat's project....

Main tasks :

1. Research perfect applications of advanced technologies for shrimp breeding and grow-out.
2. Produce and supply high quality shrimp/prawn seeds.



Minh Hai Sub-Institute for Fisheries Research



Vung Tau Research Center for Shrimp Culture



Research Center for Aquaculture in the Mekong Delta

RESEARCH INSTITUTE FOR AQUACULTURE No. 2

In 1975, after the liberation of the South of Viet Nam, the Offshore Fisheries Research Institute was named as the Sub-Institute of Fisheries No.1. Towards mid of 1983, the Sub-Institute was officially renamed as the Research Institute for Aquaculture No. 2 (RIA2) by the Decision QĐ150 of the Council of Ministers, and the Decision QĐ 435 TS/QĐ of the Minister of the Ministry of Fisheries.

The areas of responsibility of RIA2 are specified as being from the southern boundary of Binh Thuan province southwards covering the provinces of North-East of Southland and the Mekong Delta.

I. FUNCTIONS AND RESPONSIBILITIES

1. Investigate Aquatic Environment and Fisheries Resources.
2. Research and develop scientific technologies for fish/shrimp breeding, inland aquaculture and marine aquaculture, fish exploitation, aquatic product reservation and processing.
3. Carry out, on experimental scales, the production of new aquatic products and instruct for the application on large scales.
4. Develop alternatives for fishery planning, development and management.
5. Organize and carry out fisheries extension activities.
6. Carry out the services to investigate aquatic environment and fishery resources. Transfer technologies of aquaculture, fish exploitation, aquatic product reservation and processing. Organize technical training courses in different fields of fisheries.

II. ORGANIZATION

1. Human Resources

The scientific staffs of RIA2, consisting of 6 Ph. Doctors, 6 Masters of Aquaculture Science and 68 University Graduates, graduated from interior and exterior universities and attended many international training courses. In addition, RIA2 has a large number of technicians, 37 people, who are working and serving in different Research Divisions and Centers. Some senior scientists of RIA2 were nominated and sent abroad as experts on the fields of fishery survey and planning, fish/shrimp breeding and culture, and for international project appraisal.

RIA2 has established a close relationship with interior scientific institutions, universities as well as regional or international organizations such as Mekong River Commission (MRC), NACA, SEAFDEC, ICLARM, ACIAR, AIMS, AIT and AHHRI...

2. Research Unit System

The Head Office of RIA2 with an estate of 6,000m², located in the center of Ho Chi Minh City, where it has its managerial and functional units including :

- Division of Scientific Information and International Cooperation
- Division of Finance and Working Plan
- Division of Administration and Personnel
- Division of Environment and Fisheries Resources
- Division of Biological Experiment
- Division of Shrimp/Prawn and Fish Diseases
- Laboratories of Ichthyology, Water quality, Aquatic-Biology, Microbiology, Biochemistry.

2.1 Research Divisions

2.1.1 Division of Environment and Fishery Resources

Responsible for the investigations and scientific studies of :

1. Aquatic environment and coastal/inland fishery resources.
2. Water quality and scientific basics of fisheries biology.
3. Factors causing pollution for fishery environment and treatment solutions.
4. Biological characteristics of high economic value species.
5. Alternatives for fishery and aquaculture zoning, planning, development and management.
6. Catching and managing models for a sustainable fishery development in differently ecological zones.

2.1.2 Division of Biological Experiments

Responsible for scientific studies of :



Division of Fish and Shrimp Diseases

3. Design and build shrimp hatcheries and grow-out farms for farmers.
4. Research and treat water supply sources using for shrimp culture in differently ecological areas.
5. Research breeding and grow-out technologies for high value species.
6. Transfer breeding technologies of shrimp.

2.2.3 Research Center for Aquaculture in the Mekong Delta

Office address : An Thai Trung commune, Cai Be district, Tien Giang province (120km from HCMC).

Phone : 84.073.821175. The total area of the Center is 191,000m², in which the water surface area is 114,500m².

Main tasks :

1. Research technologies in genetic selection, hybridization and gene preservation for freshwater species.
2. Introduce and acclimatize high-valued exotic species.
3. Apply and transfer new technologies of breeding and grow-out for freshwater species.
4. Produce and supply freshwater fingerlings and prawn seeds.
5. Organize technical training courses and carry out fisheries extension activities.

The technologies for artificial propagation of popularly cultured species such as : river catfishes (*Pangasius hypophthalmus*, *P. bocourti*), Common silver barb (*Puntius gonionotus*), Indian carp (*Labeo rohita*), Giant gouramy (*Osphronemus gorami*)... have been successfully done by the Center's scientific staff. In planning, The Center will take on the role of a National Research Center for Fish Breeding.



One of experimental ponds

2.2.4 Research Center of Bio Technology for Aquatic product Processing

Transaction Office address : 116 Nguyen Dinh Chieu Street, District 1, HCMC. Phone : 84.8.8226495. The laboratories of Bio-Chemistry and Bio-Technologies of Processing are set up next to the Transaction Office. The Center also possesses an Experimental Factory for Aquatic Product Processing. The factory located in Go Vap District, HCMC.

Main tasks :

1. Research post-harvest and processing technologies for aquatic products with added-value, in order to make full use of by-products or waste.
2. Research technologies in food processing and in manufacturing formulated feed for aquaculture.
3. Transfer technologies in fishery processing and in manufacturing formulated feed for fish/shrimp culture.
4. Take part in fishery training courses.

The Center has successfully introduced a wide-range of products consisting of a 500kg/day shrimp feed production line, instant dried food, canned food, surimi, smoked products, traditionally fermented sauces, chitin, chitosan... The manufacturing technology of formulated feed for different stages of shrimp culture was granted the Certificate of Patent.



New product experiment "Smoked Filler"

2.2.5 Thu Duc Experimental Station for Aquaculture

Office address : 4/9 Kha Van Can Street, Linh Trung Commune, Thu Duc District, HCMC. Phone : 84.8.8961491. The Station covers an area of 22,000m² of which the water surface area is 12,100m².

Main tasks :

1. Experimentally research grow-out and breeding technologies which can be suitably applied to the ecological conditions of the north-east of southern part of Viet Nam and residential areas adjacent to HCMC.
2. Taking part in organizing fishery training courses.

The technologies for artificial propagation of popularly cultured species such as : river catfishes (*Pangasius hypophthalmus*, *P. bocourti*), Common silver barb (*Puntius gonionotus*), Indian carp (*Labeo rohita*), Giant gouramy (*Osphronemus gorami*)... have been successfully done by the Center's scientific staff.