

In addition to the above, there are farm facilities that are coming up in the Centre. These facilities are basically aimed at supporting the students research and water and animal samples analysis for the entrepreneurs.

**For further details, contact:
Professor & Head**

Kanyakumari Centre for Sustainable Aquaculture
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Glimpses of facilities in the Centre



Primary quarantine unit



Secondary quarantine unit



Water quality lab



Microbiology lab



Reservoir



Training hall



DIRECTORATE OF CENTRE FOR SUSTAINABLE AQUACULTURE Kanyakumari Centre For Sustainable Aquaculture



**TAMIL NADU FISHERIES UNIVERSITY
AYIRAMKAAL POZHIMUGAM, GANAPATHIPURAM
KANYAKUMARI-629 502**

Kanyakumari Ganapathipuram Centre for Sustainable Aquaculture (KKGCESA)

Kanyakumari Ganapathipuram Centre for Sustainable Aquaculture, formerly known as Shrimp Brood Bank came into existence during 2015 in the coastal belt of Ganapathipuram in Kanyakumari Dt. It is a unit under the Directorate of Centre for Sustainable Aquaculture focusing on the marine crustacean seed production and farming.

Objectives of KKGCESA

The Kanyakumari Ganapathipuram Centre for Sustainable Aquaculture is formed to contemplate the following objectives:

- To establish and operate a shrimp brood bank in west coast of Tamil Nadu
- To produce selectively bred *Penaeus* spp. shrimp brood stock (mother shrimps) which are disease free and Specific Pathogen Free (SPF)
- To set up multiplication centre for high quality mother shrimps for producing seeds which should exhibit fast growth and high survival in commercial shrimp farms
- To carry out research in the marine ornamental fishes and other organisms for promoting marine aquaculture in the State
- To popularize the area specific fisheries technology for the development of the farmers, fisherfolk and fisheries entrepreneurs in the district

Location and facilities at KKGCESA

KKGCESA is situated at Ayiramkaal Pozhimugam, a renowned tourist spot at Ganapathipuram in Colachel road. The land available under KKGCESA is 9 acres with fencing around. The centre has two aquatic animal quarantine units (primary and secondary) with a plinth area of 300 sq.m each. In addition to that, pre-primary quarantine facilities and multiplication facilities are available in the Centre. These units have the seawater and freshwater supply facilities and power.

Water quality lab

The water quality lab at KKGCESA has all essential equipments needed for water analysis like pH meter, Refractometer, double beam spectrophotometer, distillation unit (5 litres/hr), centrifuge, incubator and hot air oven. The lab is also equipped with facilities for regular analysis. The following Water Quality analysis will be carried out in the lab,

- pH, EC (S/m)
- Dissolved Oxygen
- Salinity
- Ammonia
- Nitrite
- Nitrate
- Phosphate
- Sulphate
- Total Alkalinity
- Water Hardness

Mode of payment

Cash or Demand draft in favour of "The Assistant Professor", KKGCESA, Kanyakumari -629 502.

Analytical fee

Sl.No.	Analytical Service	Fee/Sample (in Rs.)
i.	pH + Salinity + Alkalinity	100
ii.	Ammonia	100
iii.	Nitrite + Nitrate	100
iv.	Phosphates	100
v.	Sulphate	100
vi.	Total Dissolved Solids	100

Microbiology lab

This lab is dedicated to the microbiological analysis of samples. The lab has laminar flow chamber, autoclave, hot air oven, incubator, microscopes, deep freezers, refrigerators, micropipettes, etc that can help in carrying out any microbiology related works.

Live feed production unit

Since this centre maintains shrimp brooders to produce quality seeds, production of live feed is given due importance. Separate algal and micro crustacean culture units are available. Outdoor mass culture unit is under establishment. Artemia production unit is separately located and other live feeds can also be produced.