Bharathidasan University
Tiruchirappalli – 620 024,
Tamil Nadu, India.

Centre for Sustainable Aquaculture Research (CeSAR)
Bharathidasan University,
Tiruchirappalli – 620 024.

ICAR-National Bureau of Fish Genetic Resources (ICAR-NBFGR)
Lucknow – 226 002,
Uttar Pradesh, India.

Entrepreneurship Skill Development Program on
Sustainable Aquaculture Practices for SC Students

14 - 18 December 2026

Empowering Youth | Sustainable Aquaculture | A Brighter Future





Organized by

Centre for Sustainable Aquaculture Research (CeSAR)

Department of Marine Science, School of Marine Sciences
Bharathidasan University, Tiruchirappalli-620 024.

Sponsored by

ICAR-National Bureau of Fish Genetic Resources (ICAR-NBFGR)
Lucknow – 226 002, Uttar Pradesh.
(Supporting Under SCSP).

About Host Institute (Bharathidasan University)

Bharathidasan University located in Tiruchirappalli, Tamil Nadu came into existence in 1982, and got its name after the great revolutionary Tamil Poet, Bharathidasan (1891-1964). The University motto is **"புதியதோர் உலகம் செய்வோம்".**

The University endeavors to be true to such a vision by creating in the region a brave new world of academic innovation for social change. The University has 4 Faculties, 16 Schools, 37 Departments and 30 Specialized Research Centers. Around 151 programmes are being offered to cater the needs of the students from different parts of the country and even from abroad. The University has been adjudged as one of the most reputed Universities in the country and is accredited with 'A+' Grade by the National Assessment and the Accreditation Council (NAAC). The institution continues to make rapid changes in various fields of higher education and research.

About Host Centre (Centre for Sustainable Aquaculture Research-CeSAR):

The Centre for Sustainable Aquaculture Research (CeSAR) is established in the year 2026 under the premises of Department of Marine Science, Bharathidasan University. The centre (CeSAR) made commendable progress by developing customized indigenous technologies for the culture of important live feed organisms such as microalgae, copepods, cladocerans and amphipods.

The centre fosters the sustainable aquaculture technologies i.e. Recirculating Aquaculture Systems (RAS) for water reuse, Biofloc Technology (BFT) to convert waste into feed, Aquamimicry to utilize the live feed for natural farming, Aquaponics for chemical free environmental green products, Precision Aquaculture using AI and sensors for optimized management, Integrated Multi-Trophic Aquaculture (IMTA) that combines species to recycle waste, and advanced genetic breeding techniques to improve species resilience and productivity. In addition, centre focusing on exploration of water based natural nutraceuticals, antimicrobials, fine chemicals, cosmetics, biofertilizers etc. The prime aim of the centre is to understand the importance of aquaculture and develop the technology for sustainable production of fish and other commodities for food and livelihood of mankind.



Key Mandates of CeSAR

1. Fundamental, strategic and applied research for techno-economically viable and environmentally sustainable culture systems for finfish, shellfish, plants and fish food organisms.
2. Invention and implementation of species and systems diversification in aquaculture.
3. Human Resource Development, capacity building and skill development through training, education and extension.

Vision & Mission

To be one of the world's foremost scientific research centre in freshwater, brackishwater and marine aquaculture.

To comprehend this vision through basic and applied research, development and dissemination of technological solutions for sustainable aquaculture.

Sustainable Aquaculture... for Food, Livelihood and a Greener Planet

About the Programme

Scheduled Caste students in Tamil Nadu face moderate to severe socio-economic challenges, characterized by high poverty, low parental education, and reliance on casual labour. Despite high state-level affirmative action, over 70% of SC households in some areas report poor to moderate economic conditions, with significant gaps in regular salaried employment compared to other communities. There are over 70–80% of SC households in rural areas fall under low-to-moderate income groups, often living in semi-pucca or kacha houses. A substantial portion of SC students experience moderate to high levels of poverty. SC households often rely on casual, insecure labour rather than regular salaried jobs, with rural diversifications showing limited upward mobility for many. While school enrolment has improved, educational outcomes are hindered by the low education levels of parents, over 45% of whom may be illiterate, particularly in rural areas. A substantial number of SC households lack basic amenities, living in poor housing conditions. Low-income levels and limited opportunities further restrict the overall development of SC students.

In this circumstance, this five-day Entrepreneurship Skill Development Program on Sustainable Aquaculture Practices will lead to enhancing the entrepreneurship skill of SC students to uplift their social and economic status.

Objectives

The skill development programme is aimed with the following objectives:

1. To provide SC students (UG & PG) with specialized skills and hands-on learning exposure in sustainable aquaculture technologies.
2. To enhance employability and entrepreneurship skill through field-based practical knowledge.
3. To create an awareness about entrepreneurship opportunities and financial schemes and subsidiaries available in aquaculture sector.
4. To disseminate the technology packages associated with sustainable aquaculture practices for entrepreneurship development.

Highlights of the Programme

- Expert lectures & interactive sessions
- Hands-on training & field exposure
- Exposure to modern aquaculture technologies
- Mentoring & networking
- Certificate of Participation

Key Aquaculture Technologies



Recirculating Aquaculture System (RAS)



Biofloc Technology (BFT)



Integrated Multi-Trophic Aquaculture (IMTA)



Hydroponics



Shrimp Culture



Fish Culture



Live Feed Culture

Sustainable Aquaculture... for Food, Livelihood and a Greener Planet

Contact Details

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Eligibility & Intake Capacity

The Under Graduate (UG) and Post-Graduate (PG) students belonging to Schedule Caste (SC) community is eligible to apply for this skill development programme. Only **25 participants** will be accommodated for this training.

Programme Details

Date : **14 - 18 December 2026 (5 Days)**

Venue : Centre for Sustainable Aquaculture Research (CeSAR), Dept. of Marine Science, Bharathidasan University, Tiruchirappalli – 620 024.

Registration Fee

No Registration Fee for this training.

Food and Accommodation

Food and accommodation will be provided to the selected participants in free of cost.

Registration Procedure

The interested eligible students should submit the duly filled-in registration form along with their community certificate through the Head of the Department **on or before 30th November 2026.** The selected participants would be informed by email.



Programme Leadership

Patron
Thiru. P. Ponniah, I.A.S.
Convener, Vice-Chancellor Committee
Bharathidasan University,
Tiruchirappalli-620 024.

Co-Patron
Prof. V. Rajesh Kannan
Member, Vice-Chancellor Committee
Bharathidasan University,
Tiruchirappalli-620 024.

President
Prof. R. Kalidasan
Registrar (FAC),
Bharathidasan University,
Tiruchirappalli-620 024.

Chairmen's

1. **Dr. R. Arthur James**
   Professor & Chair, School of Marine Sciences
   Bharathidasan University,
   Tiruchirappalli-620 024.
2. **Dr. N. Manoharan**
   Professor & Head, Department of Marine Science
   Bharathidasan University,
   Tiruchirappalli-620 024.

Co-Ordinator
Dr. P. Santhanam
Professor & Director,
Centre for Sustainable Aquaculture Research (CeSAR),
Department of Marine Science,
Bharathidasan University,
Tiruchirappalli-620 024.

Co-Coordinators

1. **Dr. R. Rajaram**
   Professor
2. **Dr. V. Yoganandan**
   Associate Professor
   Department of Marine Science
   Bharathidasan University,
   Tiruchirappalli-620 024.

Executive Members

1. **Dr. O. Kasinathan**
   Asst. Professor in Education Technology
2. **Dr. J. Roseline Jebapriya**
   DST-WISE SCOPE Scientist
3. **Mr. P. Sridhar**
4. **Ms. M. Hema**
5. **Mr. Balaram Saha**
6. **Mrs. P. Ananthi**
7. **Mr. S. Santhanakumar**
   Research Scholars, Centre for Sustainable Aquaculture Research (CeSAR),
   Department of Marine Science,
   Bharathidasan University,
   Tiruchirappalli-620 024.



Sustainable Aquaculture for a Better Tomorrow

ICAR-National Bureau of Fish Genetic Resources (ICAR-NBFGR)
Indian Council of Agricultural Research (ICAR), Govt. of India, Lucknow, sponsored

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14-18 December 2026

Organized by
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Department of Marine Science, Bharathidasan University, Tiruchirappalli-620 024.

REGISTRATION FORM

Name :

Gender :

Date of Birth & Age :

Community :

Educational Qualification :

Department/Division :

Official Address :

Mobile No. :

E-mail :

Accommodation required : Yes/No

Food preference : Veg/Non-veg

Signature of the Applicant

Signature of the HOD with office Seal

To register, complete the above registration form and send hard copy along with community certificate so as to reach **Dr. P. Santhanam, Director, Centre for Sustainable Aquaculture Research (CeSAR), Department of Marine Science, Bharathidasan University, Tiruchirappalli-620 024** by **30th November, 2026**. The scanned copy of the registration form should send to: **santhanam@bdu.ac.in**

NB: Applications can also be downloaded from the websites: www.bdu.ac.in