

One-day Workshop entitled
“Skill-Development Training on
Aquaculture Production and
Fish Feed Preparation”

11th March, 2023

Organized by:

Fisheries Research and Training Centre
(FRTC)

Department of Zoology
University of North Bengal



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Patron:

Honourable Vice-Chancellor
University of North Bengal

President:

Prof. Soumen Bhattacharjee
Head, Department of Zoology, NBU

Convener:

Dr. Sourav Mukherjee
Department of Zoology, NBU

Members of Working Committee:

Prof. Min Bahadur
Prof. Dhiraj Saha
Dr. Tilak Saha
Dr. Arpan Kr Maiti

Department of Zoology, NBU

Phone: + 91-353-2776353 (Office)
Mobile: +91-9433828549, +91-9874370895
E-mail: frtcnbu@gmail.com

About the Workshop:

Aquaculture deals with the rational rearing of fish and other aquatic organisms in artificial ponds, reservoirs, and other aquatic enclosures. Reduction of the environmental pressure on the footprint of aquaculture has become a high priority as a part of the drive for greater sustainability in modern society. The advent and realization of aquaculture are to enhance food production, income generation, and promote good health for the people. However, like other farming sectors, the aquaculture management sector is a importance source of occupation generation. It facilitates societal development and sustainability from an economic point of view.

Fish require optimum and appropriate nutritional needs for their growth, survival, and multiplication. Proteins, carbohydrates, fats, minerals, and vitamins are the source of proper nutrition. The appropriate required amount of food may vary according to their different feeding habits and the various growth stage of the fish being cultured. The intensive culture of fishes, specially confined in ponds, requires supplementary feeding for their proper growth. In the pond, supplemental feeds include rice bran, groundnut, cake, maize, palm nut, pelleted meal, and others. Thus, adequate nutritional feed is essential for fish cultured in confined water to augment their growth and increase immunity towards infection, eventually achieving the desired production. To date, a significant concern has been the challenge of feeding farmed fish with products that are not only nutritious but also economically and environmentally sustainable. However,

excessive fish feeding may result in an increased demand for oxygen through the decomposition process and an increase in ammonia levels.

The feed formulation procedure constantly evolves with the diversification of sources and products, allowing for both improved digestibility and intake and cost optimization through various sources. In addition, feeds have different effects depending not only on the target species but also at the feeding sites. The same formulated feed, given in different environments and to all the growth stages of fish, will yield different results each time. The producer's responsibility and professionalism are essential concerning the production performance, particularly in feed use. The feed conversion ratio is also as much a reflection of the quality of the feed as well as the feed management by the producer, which guarantee good farming conditions and healthy fish.

Considering all the above consequences, this brain-storming workshop will focus at the grass root level to impart training/grooming to the fish farmers on various aspects of aquaculture. The workshop will benefit the farmers in grasping the idea of enhancing fish production. It will also help to solve the problems of artificially-formulated feed in pisciculture at a small scale in the rural areas of North Bengal regions. This may also prime an entrepreneur towards the nuances of aquaculture. Therefore, the workshop, in turn, stimulates the fish farmers to increase the production of aquaculture yield to attain remarkable sustainable development.

Details of Resource Persons in the Workshop:

• Dr. M. A. Hassan

Principal Scientist & HOD (In-Charge), Fisheries Enhancement & Management (FEM) Division, ICAR-Central Inland Fisheries Research Institute, Barrackpore, Kolkata 700120, West Bengal.

*E-mail: ma_hassan@rediffmail.com;
Mob. +91-9231614629,
+91-9674388968*

• Dr. Surya Kanta Sau

*Assistant Professor,
Dept. of Aquaculture,
WB University of Animal & Fishery
Sciences, Kolkata-700037, West
Bengal*

*E-mail:
suryaksauaqua2020@gmail.com;
Mob. +91-9735919819*

***Venue: Conference Hall,
Department of Zoology
University of North Bengal
Dist. Darjeeling, West Bengal
PIN: 734 013***

***Date: 11th March, 2023
(Saturday)***

Tentative Schedule of the Workshop:

09:30 AM - 10:30 AM:	Registration
10:30 AM - 11:00 AM:	Inauguration
11:00 AM - 11:15 AM:	High Tea
11:15 AM - 11:45 AM:	Introduction with Fish Farmers
11:45 PM - 01:00 PM:	Training by Dr. M. A. Hassan, Principal Scientist, CIFRI, Barrackpore, Kolkata 700120, West Bengal
01:00 PM - 02:00 PM:	Lunch at University Guest House
02:00 PM - 03:15 PM:	Training by Dr. Surya Kanta Sau, Assistant Professor, Dept. of Aquaculture, WB University of Animal & Fishery Sciences, Kolkata-700037, West Bengal

03:15 PM - 04:30 PM:	Hands-on-Training on Fish Feed Preparation
04:30 PM - 04:45 PM:	Feedback Session
04:45 PM - 05:15 PM:	Valedictory Program and Vote of Thanks
05:15 PM - 05:30 PM:	Evening Tea

No. of Available Seats for Participants: 30

***Registration Fee: Free
To Register Your Name Please Call:
8101498781/9382374921
(Between 10:00 AM to 06:00 PM)***

***Last Date of Registration:
05.03.2023***