



भाकृअनुप - केन्द्रीय मीठाजल जीवपालन अनुसंधान संस्थान

ICAR - Central Institute of Freshwater Aquaculture

आईएसओ ९००१ : २०१५ प्रमाणित संस्थान

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ICAR-CIFA Organized Webinar on “Freshwater-Based Bio-floc Fish Farming Technology” for the PMMSY Beneficiaries of Maharashtra State on 22nd May 2026

ICAR-Central Institute of Freshwater Aquaculture organized a One-day Webinar on “Freshwater-Based bio-floc Fish Farming Technology” on 22 May 2026 for the bio-floc unit beneficiaries of Maharashtra under the PMMSY scheme. The online programme witnessed the participation of around 435 beneficiaries, fisheries officials, extension personnel and fish farmers from different districts of Maharashtra. The webinar was organized with a special emphasis on scientific carp seed rearing in bio-floc systems, sustainable aquaculture practices and strengthening the technical capacity of farmers engaged in freshwater bio-floc farming.

The programme commenced with the inaugural address by Dr Pramoda Kumar Sahoo, Director, ICAR-CIFA, who highlighted the growing significance of bio-floc technology in freshwater aquaculture, particularly in enhancing seed production, improving water use efficiency and promoting sustainable fish farming practices. He emphasized the importance of scientific interventions and capacity-building initiatives for increasing farmers’ income and ensuring successful implementation of bio-floc units under the PMMSY scheme. The inaugural session was graced by Smt. Prerna Deshbratar, Commissioner of Fisheries, Government of Maharashtra, who appreciated the efforts of ICAR-CIFA and NFDB in organizing the programme for the benefit of bio-floc farmers of the state. She encouraged participants to adopt scientific management practices and utilize the knowledge shared by experts for improving productivity and profitability. Shri Yuvaraj Chougale, Joint Commissioner of Fisheries, Government of Maharashtra, also addressed the participants and stressed the need for regular technical guidance, scientific monitoring, and adoption of improved management practices for successful operation of bio-floc units.

The technical sessions covered key aspects of freshwater bio-floc aquaculture. Dr P. C. Das delivered a lecture on “Basics of Bio-floc Fish Farming”, focusing on bio-floc principles, water quality management, aeration, stocking density and feed management. Dr H. S. Swain conducted a session on “Carp Seed Rearing in Bio-floc System”, highlighting scientific nursery and health management practices for improved survival and growth of carp seed. Dr Husne Banu delivered a lecture on “Role of Microbiology in Bio-floc System”, emphasizing the importance of beneficial microorganisms, nutrient recycling, water quality improvement and probiotic-based microbial management in bio-floc aquaculture systems.

The technical sessions were followed by an extensive interaction and question-answer session, during which participants actively discussed field-level issues related to floc management, seed rearing, water quality, aeration, disease prevention and operational challenges in bio-floc units. The experts provided practical scientific guidance and recommendations to the beneficiaries. The programme was effectively moderated and coordinated by Dr I. Sivaraman, Sr. Scientist of ICAR-CIFA.

