

Webinar on
***“National campaign on system diversification in aquaculture -
Recirculatory aquaculture system and Biofloc technology”***

*At ICAR-Research Complex for Eastern Region, Patna
on 1st September, 2021*

A webinar on “National campaign on system diversification in aquaculture - Recirculatory aquaculture system (RAS) and Biofloc technology” was organized on 01.09.2021 on the occasion of “Bharat ka Amrut Mahotsav” at the ICAR-Research Complex for Eastern Region, Patna. The main objective of the program was to make fish farmers aware of the Recirculatory aquaculture system (RAS) and Biofloc technology.

At the beginning of the program Dr. Kamal Sarma, Principal scientist & Head, ICAR-RCER, Patna welcome all the participants and gave a brief introduction about the *Azadi Ka Amrit Mahotsav* and explained the need and scope of *National campaign on system diversification in aquaculture*. This was followed by a brief introduction about the objective, necessity and detailed program of the webinar by Dr Ujjwal Kumar, Director, ICAR-RCER, Patna. This was followed by talk of Dr. S. C. Rai, Dean, College of fisheries, Dholi, DRPCAU, Pusa, who apprised the farmers and participants about the importance, issues and precautions to be taken for the Recirculatory aquaculture system (RAS) and Biofloc technology. He stated that land and water are becoming a scarce commodities day by date and to cope up with the growing demand for fish, productivity enhancement with minimum use of water and land will be of the outmost importance. He stated that in those conditions RAS and biofloc technology can pave away both the land and water issues and simultaneously can enhance the productivity from a unit area. The lead speaker, Dr. Shivendra Kumar, Associate professor, College of fisheries, DRPCAU, Dholi, Pusa, describes the Recirculatory aquaculture system (RAS) and it’s Management. He stated that there is a lot of scope for RAC in Bihar, which will not only increase fish production but can generate employment and income for the farmers. Dr. Md. Aklakur (OIC), Regional Research & Training Centre of ICAR- CIFE Motipur, Muzaffarpur described Biofloc technology and it’s Management. He also mentioned that with proper precautions biofloc technology can be a means for improving income generation of the small and marginal farmers, whose do not have a large area for fish farming. He also stated different types of probiotics and chemicals applied in Biofloc culture practice. Finally, Mr. Jaspreet Singh, Scientist, ICAR-RCER, Patna, gave a vote of thanks to all the patricians. During the farmer-scientist interaction session, discussion about the

identification of healthy fish seed for stocking, transportation mortality and precautions to be taken in fish farming practices in RAS and Biofloc were discussed. The programme was coordinated and organized by Dr. Tarkeshwar Kumar and Dr. Vivekanand Bharati Scientist, ICAR-RCER, Patna. In the program more than 164 farmers, entrepreneurs and students were present.

भारत का अमृत महोत्सव
Bharat ka Amrut Mahotsav
 National Campaign on
 "System Diversification in Aquaculture"
"Recirculatory Aquaculture System and Biofloc Technology"

Chairman
 Dr. Ujjwal Kumar
 Director, ICAR RCER
 Patna (Bihar)

Date: 1 September, 2021

Chief Guest
 Dr. S. C. Rai
 Dean (Fisheries), RPCAU
 Dholi (Bihar)

Speakers
 Dr. Shivendra Kumar
 Associate Professor, RPCAU
 Dholi (Bihar)
 Dr. Md. Aklakur
 Scientist, ICAR CIFE
 Motipur (Bihar)

Convener
 Dr. Kamal Sarma
 Head, DLFM
 ICAR RCER, Patna

Organizing Secretary
 Dr. Tarkeshwar Kumar
 Scientist
 ICAR RCER, Patna
 Dr. Vivekanand Bharti
 Scientist
 ICAR RCER, Patna
 Mr. Jaspreet Singh
 Scientist
 ICAR RCER, Patna

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Organized by
ICAR Research Complex For Eastern Region
Patna, Bihar

Fish Growth Performance
 After three months, survival of tilapia was highest compared to catfish and bahu.

Survival (%)
 Tilapia Catfish Bahu

Biofloc System
 Biofloc is a natural process of producing high quality feed for fish. It is a natural process of producing high quality feed for fish. It is a natural process of producing high quality feed for fish.