

**ICAR-CIFA, Bhubaneswar conducted a collaborative training program on “Hands-On Training on Molecular biology & Computational Tools” with IASRI, New Delhi during 16-25 April 2019.**

ICAR-CIFA and ICAR-IASRI, New Delhi jointly conducted the training program on “Hands-On Training on Molecular biology & Computational Tools” Under CABin network project during 16-25 April 2019.

Dr. B. R. Pallai, Director (I/C), ICAR-CIFA in her opening remark mentioned about the role of bioinformatics in the aquatic organism. Specially, she focused the role of the computational tools in the field of Biotechnology and molecular biology, its economic importance and how Bioinformatics can be used to study fish diseases by using gene, genome and proteome data and tools?

There were total 28 participants representing different institution, universities and colleges. Trainees were from Odisha, West Bengal, Tamil Nadu, Madhya Pradesh, Himachal Pradesh, Bihar, Kerala, Rajasthan that includes Orissa University of Agriculture Technology, Presidency collage, University of Fisheries & Ocean Studies, North Orissa University, Himachal Pradesh University, Dr. Jayalalitha Tamil Nadu Fisheries University, Visva-Bharati University, College of Fisheries, West Bengal, Dr. Harisingh Gour Central University, Sagar, Madhya Pradesh and AIIMS, Patna. The external faculties from Institute of Life Science, Bhubaneswar, Orissa University of Agriculture and Technology, Bhubaneswar, Trident Academy of Creative Technology, Bhubaneswar, Eurofins India Pvt. Ltd, and Genotypics, Bangalore. trained the participants. A total 32 theory and practical classes were taken during the 10 days training program.

Dr Dinesh Kumar, Principal Scientist, IASRI and Team Leader CABin project for CIFA and Dr Mir Asif Iqbal, Senior Scientist, IASRI exclusively demonstrated different analysis and use of software to make Bio-informatics more simple. The participants were trained in Database searching, BLAST, sequence analysis, Primer designing, phylogenetic, CLC, MISA, Protein modelling, docking, Next Generation Sequencing technology and NGS data analysis, transcriptome data analysis etc.

The closing ceremony was held on 25 April 2019 and Dr. J. K. Sundaray, Principal Scientist and HOD, FGBD, ICAR-CIFA welcomed all participants and dignitaries. Kiran Rasal, Scientist, FGBD, gave brief of overall training report and feedback of trainees. Dr. Umakanta Subudhi, Asst. Professor, IMMT-Bhubaneswar, as a chief guest for closing ceremony. While addressing, Dr S. S. Mishra, Director (I/C) ICAR-CIFA inspired young minds to take ample challenges in the biological research. He explained the role of Bioinformatics in the research line and how the training programme will help the further research work. He mentioned about networking among the trainees and promoted to undertake collaborative research activities in future.

Kiran Rasal, Scientist, ICAR-CIFA proposed a vote of thanks. The training program was coordinated by Mr Kiran D Rasal and Dr Lakshman Sahoo Scientist of Fish Genetics & Biotechnology division.



1. Addressing to participants by Dr. B. R. Paijai, Director, ICAR-CIFA



2. Guest lecture (Dr Amol Surywanshi, ILS, Bhubaneswar )



3. Group photo of participants with Dr Dinesh Kumar, PI ad Team leader CABIN ar IASRI and Dr Sudha Rao , Genotypic, Bangalore