

Report on Hands-on training" Real-Time PCR and Applications" 23-25 Jan 2024

The hands-on training program on “**Real-Time PCR and Applications**” was organized by Fish Genetics and Biotechnology division, ICAR-CIFE, Mumbai in collaboration with ABI unit, ICAR-CIFE from 23-25 Jan 2024. The training was directed by Dr. Mukunda Goswami, Head, FGBD and coordinated by Dr. A. Sonwane and Dr. Kiran D. Rasal. Fifty-six (22 males and 34 females) from various disciplines of ICAR-CIFE and various colleges from Mumbai region have participated in this program. During the inaugural function, Dr. Mukunda Goswami, Course Director and HoD, FGBD, ICAR-CIFE addressed the participants and highlighted the importance of Real-time PCR and its applications in aquaculture as well as in the biological sciences. In this training program, theory and practical’s sessions were conducted, which includes RNA isolation, quality estimation, electrophoresis, cDNA synthesis, primer designing, Real-time PCR, etc. The training also covered Real-Time PCR data analysis. A training manual was also provided to the trainees. The pre- and post-training evaluation of trainees was performed and participants gained 60-70% improvement in their knowledge with regard to Real-Time PCR technology. The participants rated the training as excellent and appreciated the mode of training. The valedictory function addressed by Dr. C.N Ravisankar, Director/VC, ICAR-CIFE, and emphasized the significance of such a training for developing expertise for Real-Time PCR, data analysis and integrating into the respective research. He also stressed upon developing linkages with ICAR-CIFE for research collaboration.

