

TEC-IVRI Pune organised a training programme on “Molecular Diagnostic Techniques in Veterinary Practice” from 30th November to 6th December 2023

Training and Education Centre, ICAR-IVRI, Shivajinagar, Pune (Maharashtra) in collaboration with Division of Animal Biochemistry, ICAR-IVRI, Izatnagar, Bareilly (Uttar Pradesh) & Department of Animal Husbandry, Pune (Maharashtra) organized a training programme on “Molecular Diagnostic Techniques in Veterinary Practice” from 30th November to 6th December 2023. Dr Hemant Vasekar (IAS), Commissioner, Department of Animal Husbandry (Maharashtra), was the Chief Guest and he inaugurated the training programme. While delivering the inaugural speech, Dr Hemant Vasekar highlighted the importance of implementing best disease diagnostic practices and urged all trainees to prevent and control major production and zoonotic diseases for better welfare of farmer community. He motivated the trainees to work for the welfare of livestock farmers by providing quality treatment. He appreciated the efforts of Training and Education Center, IVRI, Pune for regularly organizing need-based training programmes, which are crucial for the capacity building of veterinary professionals. Dr YP Pathan, In-charge, DIS and Guest of Honour for inaugural function urged the participants to keep themselves updated with the new technology, techniques used in diagnosis and management of important diseases. He congratulated TEC-IVRI Pune for organizing such an important training for RDDL faculty. Dr Sanghratna V Bahire, Course Coordinator, briefed about the schedule and importance of training in veterinary diagnostics. Dr HP Aithal, Station In-charge, TEC, Pune briefed dignitaries and trainees regarding the ongoing activities of the Center. He informed that this training programme was designed in such a way that technical persons can get knowledge about the routinely used molecular diagnostic techniques. He also urged the trainees to take maximum benefit from the training. The programme was compered by Dr Vaishali Wankhede, LDO, DIS.



Group photograph of guests and participants during the inaugural function

Apart from Dr Vasekar, Dr YP Pathan, Dr HP Aithal, Dr Sanghratna Bahire, Scientist (Training Coordinator) and Dr Amol Bhalerao (Scientists from TEC Pune), Dr Dharmadhikari, Dr Naina Deshpande, Dr Sanjay Pawar (Training Co-coordinator), Dr Sunita Chougule (Training Co-coordinator), were also present during the inaugural session. A total of 31 participants have registered for the course.



Welcome of Chief Guest

The one-week training programme included offline and online lectures from molecular biologists and veterinarians from across the country. The lectures included basic concepts of molecular techniques, molecular biology, concept of PCR, types of PCR, Real-time PCR and reverse transcriptase PCR, primer designing, quantitative PCR (qPCR), biosensor, radio immune assay, ELISA development and types, application of ELISA for LSD, Goat pox, PPR, Poultry diseases etc. Different resource persons from IVRI included Dr Ajay Kumar, who explained the primer designing and different techniques; Dr Sanghratna Bahire gave lecture on principles of different molecular techniques, principle of real-time PCR and analysis; and Dr Amir Kumar Samal briefed about nucleic acid isolation methods, types and use. Dr V Dighe, Scientist, NIIRH, explained the principles and steps of RNA isolation; Dr Sameer Jadhav and Dr V Dhaygude from NKP College of Veterinary Sciences, Shirwal, detailed about application of qPCR chemistry and ELISA and PCR types. Dr Sunita Chougule explained principles of gel electrophoresis, types and application in molecular methods. Dr Sanjay Pawar and Dr Sanghratna gave hands-on practical demonstrations.

The training programme concluded on 6th December 2023 in the presence of Dr Santosh Panchpore, Joint Commissioner, Pune Region, as Chief Guest. The Chief Guest addressed the participants and suggested to undertake all diagnostic techniques for early diagnosis and management of livestock diseases. The training progress report was presented by Dr Sanghratna V Bahire. Dr SK Das congratulated all the participants for getting advanced knowledge on diagnostic techniques. Many participants expressed their positive views on the training. Dr Jyoti Mane compered the programme. Vote of thanks was proposed by Dr Sunita Chougule.



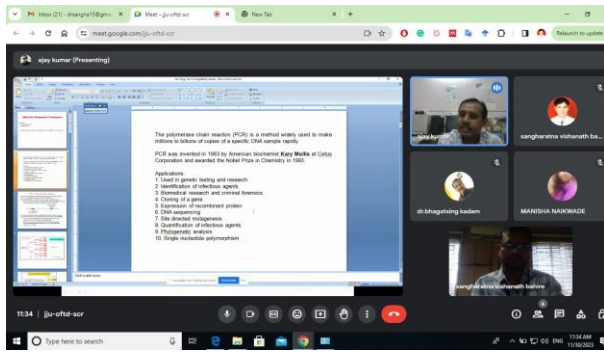
Welcoming of guests and participants by Dr HP Aithal, Station In-charge, TEC Pune



Address by Dr Hemant Vasekar (IAS), Commissioner (AH)



Dr Sanghratna V Bahire, briefing about the training



Dr Ajaykumar giving Online lecture



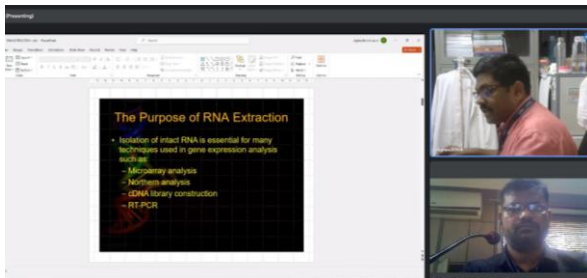
Dr Sunita delivering lecture



Dr V Dhaygude delivering lecture



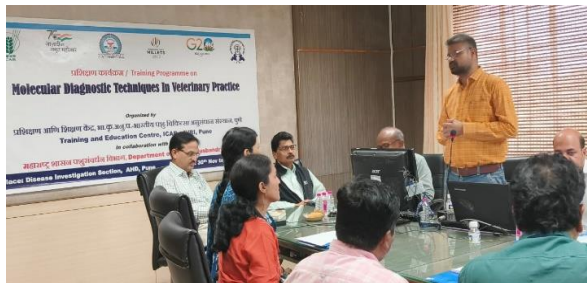
Presentaiton by Dr Sameer Jadhav



Dr V Dighe delivering online lecture



Lecture by Dr C Raut



Training report presentation by Dr Sanghrtatna



Demonstrtion by Himedia represetative



Participant feedback



Participant feedback



Introduction by Dr SK Das during valedictory session



Address by Dr S Panchpore, Chief Guest, during valedictory function



Certificate distribution to Participants

