

Successful completion of seven days certificate and vocational course at ICAR-IVRI,

Mukteswar campus

A seven-day (3rd Oct to 9th Oct, 2023) certificate and vocational course on **“Hands-on training on reproductive ultrasonography for better reproductive management in small and large ruminants”** organized by ICAR-IVRI Mukteswar, campus has been successfully completed. A total of 13 participants joined the course. Out of 13 participants, 07 were from Uttarakhand, 04 from Hisar, 01 each from Rajasthan and Karnataka state. All the participants were B.V.Sc. graduates. The inauguration of the training program was held in the forenoon of 3rd October 2023 under the chairmanship of Dr. B. Mondal (Station In-charge, IVRI, Mukteswar) and Dr. Sher Singh (Head, Temperate Animal Husbandry Division, IVRI, Mukteswar).

The training syllabus included series of lectures, demonstrations and hands-on exposure on different applications of reproductive ultrasonography *viz.*, diagnosis of early pregnancy, diagnosis and management of ovarian and uterine pathologies, estrus synchronization and monitoring, breeding soundness examination, estrus detection *etc.* in small and large ruminants. Apart from that, participants were also given lectures on ultrasonographic image artifacts, assisted reproductive technologies, reproductive disorders and their management. Different experts from ICAR-IVRI, Mukteswar, ICAR-IVRI, Izatnagar and ICAR-CSWRI, Avikanagar delivered their lectures on assigned topics and shared their experiences through online mode. The experts included Dr. S. K. Singh (J.D., Research, IVRI), Dr. M. H. Khan (Head A. R. Division, IVRI, Izatnagar), Dr. M. K. Patra (Scientist, L.P.M. Section, IVRI, Izatnagar), Dr. A. C. Saxena (Scientist, Veterinary Surgery Division, IVRI, Izatnagar), Dr. B Kumar (Scientist, A. R. Division, IVRI, Izatnagar) and Dr. A. S. Mahla (Scientist, Animal Physiology & Biochemistry Division, ICAR-CSWRI, Avikanagar) and Dr. N. S. Kharayat (Scientist, T.A.H. Division, IVRI, Mukteswar campus)

The valedictory function of the training programmed was held on 9th October 2023. Dr. N. S. Kharayat briefed about the day-to-day activities of training program. Dr. B. Mondal and Dr. Sher Singh, the patrons of the training program, appreciated and congratulated the team for successful conduction of training program. They also mentioned the importance of ultrasonography in reproductive management of livestock animals and motivated the participants to use this technique

regularly under field conditions for the benefit of the farmers. The feedback regarding training program was taken from the participants to improve the quality of upcoming trainings. The participants expressed their confidence for using ultrasonography and were satisfied with the hands-on exposure given under this training program. They also appreciated various facilities provided by the IVRI, Mukteswar campus during their stay at the campus.

Dr. Nitish Singh Kharayat gave the vote of thanks to all the employees and experts involved in this training program. He also gave vote of thanks to participants for joining and co-operating during the entire training program. Dr. Nitish Singh Kharayat was the coordinator of the training programme and Dr. Amir Kumar Samal (Scientist, IVRI, Mukteswar), Dr. Gurav Amol Ramdas (Scientist, IVRI, Mukteswar) and Dr. Deepika Bisht (Scientist, IVRI, Mukteswar) were the co-coordinators of the training program.



Group photograph of participants of training and scientists of IVRI, Mukteswar campus



Hands-on exposure of reproductive ultrasonography in small and large ruminants to the participants



Participants giving feedback of the training program



Participants receiving the certificate of training course