

**Workshop on “Advances in Health and Production of Dairy Cows”
Cum Interface Meet
with the Veterinary Officers of Department of AH&VS, Govt. of Karnataka
(November, 20 2024)- Hybrid mode**

**ICAR-Indian Veterinary Research Institute, Izatnagar-243122 Bareilly, India &
ICAR-IVRI Regional Campus, Hebbal, Bengaluru**

An interface meeting titled “**Advances in Health and Production of Dairy Cows**” was organized by ICAR-Indian Veterinary Research Institute, Izatnagar, and its Regional Campus, Hebbal, Bengaluru, in collaboration with the Department of Animal Husbandry and Veterinary Services, Government of Karnataka. The event, held in hybrid mode on November 20, 2024, attracted 211 registered participants, including 14% women, and engaged over 300 stakeholders. Most attendees were from the Department of Animal Husbandry and Veterinary Services (77%), followed by State Veterinary Universities/State Agricultural Universities (12%), ICAR institutes (4.8%), KVKs (1.2%), and others.

The inaugural session was graced by Smt. Shreeroopa, IAS, Commissioner, AH&VS, Government of Karnataka, as Chief Guest, and Dr. Manjunath S. Palegar, Director, AH&VS, as Guest of Honour. Dr. Triveni Dutt, Director of IVRI, presided over the session. IVRI's Joint Directors, including Dr. S.K. Singh, Dr. S.K. Mendiratta, Dr. Rupasi Tiwari, Dr. Sohini De, Dr. Pallab Chaudhuri, and Dr. Y.P.S. Mallik, along with Station In-charges from ERS Kolkata and RS Palampur, Heads of Divisions, IVRI staff, and students, attended. The meeting also saw participation from office bearers of Karnataka’s Animal Husbandry Department and numerous veterinary officers and pharmacists.

Dr. Pallab Chaudhuri, Joint Director, IVRI Bengaluru, welcomed the dignitaries and participants, emphasizing the mutual benefits of the interface meeting. He highlighted its potential to address researchable issues in Karnataka's animal husbandry sector



Dr. Rupasi Tiwari, Joint Director (Extension Education), ICAR-IVRI, welcomed the dignitaries and presented participant profiles along with key challenges identified in Karnataka's animal



husbandry practices. She emphasized the importance of addressing researchable issues and collaborating with state departments. Major concerns raised by the participants included repeat breeding, infertility, anestrus, uterine torsion, milk fever, downer cow syndrome, hypogalactia, mastitis, haemoprotozoan diseases (theileriosis, trypanosomiasis), low productivity, and non-descriptive breeds. She also apprised that there is a dire need for rapid diagnostic kits, telemedicine platforms, advanced technologies like precision livestock farming, and training in surgical techniques, USG, radiography, and advancements in medicine, vaccines, and diagnostics. Participants also emphasized need of tick control, disease forecasting, and farmer-focused extension activities.

Dr. Manjunath S. Palegar, Director, AH&VS, Government of Karnataka, highlighted the current status of diagnostic laboratories at the taluka and district levels and outlined plans for expanding well-equipped diagnostic facilities. He sought valuable suggestions for controlling diseases in calves and kids, which often go unnoticed by farmers and field veterinarians. Additionally, he also requested support from IVRI in terms of supply of diagnostic kits.

Smt. Shreeroopa, IAS, Commissioner, AH&VS, Government of Karnataka, commended the collaborative efforts of ICAR-IVRI and the Department of Animal Husbandry and Veterinary Services, Karnataka. She appreciated the contributions of organizations like ICAR-IVRI, and State animal Husbandry departments in addressing field-level livestock challenges and providing quality services to farmers. She emphasized the need to enhance productivity and reduce mortality, given the rising human population and declining livestock numbers. She emphasized the need to strengthen collaborations between ICAR-IVRI and Karnataka's state departments to achieve more focused and impactful outcomes in animal sciences. Additionally, she commended ICAR-IVRI for organizing the meeting, recognizing it as a valuable step in bridging the gap between research advancements and their practical application by end-users.

Dr. Triveni Dutt, Director-cum-Vice Chancellor of IVRI, thanked all officials for organizing the interface meeting and expressed hopes for meaningful recommendations benefiting Karnataka's livestock owners. He highlighted IVRI's contributions to disease eradication and the services it provides to the livestock sector, including educational programs for veterinarians. He also apprised the participants about the institute's IP portfolio, ICT tools, and capacity-building initiatives. He mentioned research on mastitis and reproductive issues, as well as IVRI's support during disease outbreaks and its services to zoos and safaris. He emphasized the importance of feedback from the State Animal Husbandry Department to help shape and prioritize research initiatives.



Technical Session I was chaired by Dr. S.K. Singh, Joint Director (Research), who led the discussions on three key topics: *Foot & Mouth Disease: Occurrence, Management & Control in Cattle* by Dr. B.P. Sreenivasa and Dr. Madhusudhan H, Principal Scientist, *Recent Advances in the Diagnosis, Treatment, and Control of Mastitis* by Dr. Ravikant Aggarwal, Head of the Biological Products Division, and *ICAR-IVRI Technologies for Animal Health and Production* by Dr. Anuj Chauhan, In-charge, ITMU, ICAR-IVRI, Izatnagar. Technical Session II was an interactive session chaired by Dr. Rupasi Tiwari and Dr. Pallab Chaudhuri. The queries primarily focused on the outbreaks of FMD and LSD, particularly regarding their vaccination in cattle and calves.

The programme ended with formal Vote of thanks from Dr Bablu Kumar, Principal Scientist, B.P. Division. Among others Dr Pranob Dhar, Dr Subhasis Bandoadhyaya, Dr Premanshu Dandapat, Dr L.C.Choudary, Dr Dwipayana Bardhan, Dr Brijesh, Dr Shruti were also present in the meeting.





