

APPLICATION FORMAT

1. Full Name (Block letters):
2. Date of birth:
3. Designation:
4. Present employer with address:
5. Address for correspondence with Telephone/ Mobile number, Fax number and Email:
6. Academic qualifications starting from graduate level:

7. Certificate from employer:

The application of Dr./Mr/Ms.....is hereby recommended for attending the course entitled “**Climate-Resilient and Sustainable Livestock Systems :Innovations in Bioclimatology and Artificial Intelligence**” being organized by CAFT in Veterinary Physiology, Division of Physiology & Climatology, IVRI, Izatnagar from 27.02.2026 to 19.03.2026. It is further certified that the information furnished by him/her has been verified and found correct.

Signature of recommending/
sponsoring authority with seal

Last Date of Application is February 5, 2026

Applicants who have already been accepted and have confirmed their willingness are exempt from reapplication.

Course Director	Dr. Gyanendra Singh
Course Coordinator/ Convenor	Dr. Hari Abdul Samad
	Dr. V.P. Maurya
Co-Coordinator / Co-Convenors	Dr. Vikrant Singh Chouhan
	Dr. Vikash Chandra
Faculty	Experts from IVRI and allied ICAR institutes.



Contact Address:
Dr. Gyanendra Singh
Director, CAFT-cum-Head
CAFT in Veterinary Physiology
Division of Physiology & Climatology
Indian Veterinary Research Institute
Izatnagar- 243 122 (UP), India
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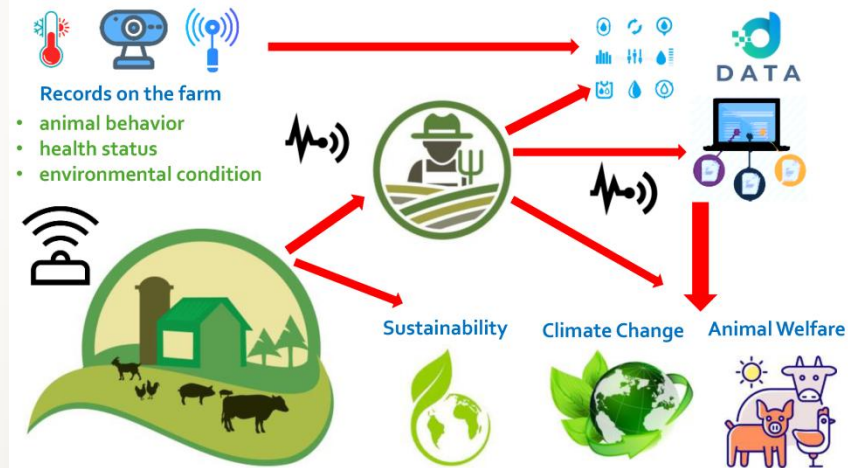
REVISED BROCHURE

ICAR Sponsored CAFT
21 days Short Course



**Climate-Resilient and Sustainable
Livestock Systems:
Innovations in Bioclimatology and
Artificial Intelligence**

February 27, 2026 – March 19, 2026



CAFT in Veterinary Physiology
Division of Physiology and Climatology
ICAR– Indian Veterinary
Research Institute Izatnagar-Bareilly
243 122 (UP)



Climate-Resilient and Sustainable Livestock Systems: Innovations in Bioclimatology and Artificial Intelligence



INTRODUCTION

Livestock production and health are being challenged by the menaces imposed by climate change. This training program aims to enhance the understanding of Bioclimatology, Molecular Physiology, State of art Biotechniques and artificial intelligence pipelines for animal science research. The program provides theoretical and hands-on exposure to modern analytical tools and predictive modeling techniques.

INSTITUTE

The ICAR-Indian Veterinary Research Institute (IVRI) is a leading livestock research institution in South East Asia, dedicated to advancing animal health and production in India. Established in 1889, the Institute has served the nation for over 128 years. In 1983, IVRI was granted Deemed-to-be-University status by the UGC, enabling it to award M.V.Sc. and Ph.D. degrees. It is located 8 km north of Bareilly city, in the satellite town of Izatnagar, just 1 km from Izatnagar railway station. The climate in December- January is generally cool, with average temperatures between of 7–15 °C.

CAFT IN VETERINARY PHYSIOLOGY

The Division of Physiology, Pharmacology & Biochemistry was originally established in 1970. Subsequently, the Divisions of Pharmacology & Toxicology and Biochemistry were separated, and the remaining unit was renamed the Division of Physiology and Climatology. In recognition of its significant contributions to animal physiology research and education, ICAR conferred the status of Centre of Advanced Studies in Veterinary Physiology to this division in 1995. The Centre is tasked with both teaching and research, with a mandate to train scientists and educators from universities and research institutes. In 2010, the Council renamed the Centre of Advanced Studies (CAS) as the Centre of Advanced Faculty Training (CAFT).

Theory and Practical Modules

- Climate change and meteorological data recording.
- Transition Physiology & Gut Health.
- Immuno-Physiological techniques (ELISA, RIA, Western blot, FACS) .
- Molecular biology techniques (Primer designing, qPCR,, CRISPR-Cas 9 Genome Editing)
- Cell culture, Cell based assays, SEM.
- Stem Cell Biology, IVF-IVEP, Non-invasive pregnancy diagnosis in wild felids.
- Artificial Intelligence, prediction and system dynamics modelling in animal science

Financial Assistance and Accommodation

- TA/DA will be paid as per ICAR norms (restricted to 2nd AC fare). Free boarding and lodging will be provided at the Institute Guest House.
- Local participants will be provided with lunch and tea.

CERTIFICATE

A certificate will be awarded to the participants on the successful completion of the course.

Eligibility and Application

- Participants with a Master's degree in Veterinary/Animal Sciences or allied disciplines working not below the rank of Assistant Professor or equivalent in SAUs/ICAR Institutes are eligible.
- Apply to
- Director, CAFT in Veterinary Physiology, ICAR–IVRI, Izatnagar-243122 (UP)
- Email: caftpc0@gmail.com;
drhasamadivri@gmail.com

For any query, Contact Dr. H.A. Samad
Email- drhasamadivri@gmail.com
Contact No.-91-8650767561