

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:

Name of Degree	University	Year of Passing	Major Subject Offered

Signature of candidate

7. Certificate from employer:

The application of Dr./Mr./Ms.....is hereby recommended for attending the course entitled “**Acclimatization and Adaptation of High Altitude Livestock in Changing Climatic Scenario**” being organized by CAFT in Veterinary Physiology, Division of Physiology & Climatology, IVRI, Izatnagar from 01.06.2018 to 21.06.2018. It is further certified that the information furnished by him/her has been verified and found correct.

Signature of recommending/

Acclimatization and Adaptation of High Altitude Livestock in Changing Climatic Scenario

Patron : Dr. R.K. Singh
Director, CAFT : Dr. G. Taru Sharma
Course Convener : Dr. S.S. Dangi
Co-Conveners : Dr. Gyanendra Singh
 Dr. Puneet Kumar
 Dr. V.S. Chouhan

Faculty

Faculty of CAFT in Veterinary Physiology
 Faculty of IVRI from allied disciplines
 Guest faculty of distinguished Indian experts



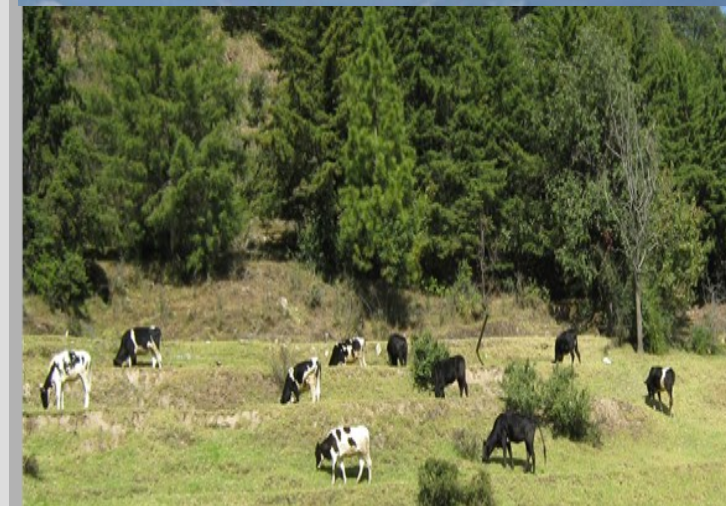
Contact Address:

Dr. G. Taru Sharma
 Head cum Director, CAFT
 CAFT in Veterinary Physiology
 Division of Physiology & Climatology
 Indian Veterinary Research Institute
 Izatnagar- 243 122 (UP), India
 Telefax: 0581-2301327 (O)
 Email: gts553@gmail.com
vetsatyaveer@gmail.com



Acclimatization and Adaptation of High Altitude Livestock in Changing Climatic Scenario

(June 01 - 21, 2018)



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



INTRODUCTION

Stress at high altitude is the key to change gene expression mechanism of livestock's to make them acclimatized and adapted at high altitude during changing climatic scenario. It will be of interest to explore the large number of genes involved in regulation of complex processes as acclimation, adaptation, thermoregulation etc. at high altitude in environmental conditions specially in the scenario of climate change. Physio-genomics of high altitude dwelling animals is an interesting field of physiology which attaches various physiological functions to genes of complex living organisms. Training which are expensive yet crucial for the human resource development in such areas is the current requirement. This 21 days short course is aimed for the academic and scientific capacity building of NARES faculty.

ELIGIBILITY

Participants having master's degree in animal physiology, animal nutrition, animal reproduction, animal genetics and breeding, animal biotechnology, animal biochemistry, veterinary pharmacology, veterinary medicine, immunology, LPM and allied discipline of animal and veterinary sciences; working not below the rank of Assistant Professor and equivalent in the concerned subject under State Agricultural University/ ICAR Institutes are eligible for this course.

CAFT IN VETERINARY PHYSIOLOGY

Division of Physiology, Pharmacology & Biochemistry was formally established in 1970. Later on Division of Pharmacology & Toxicology as well as Biochemistry was separated and the existing Division was renamed as Division of Physiology and Climatology. On the basis of achievements in Animal Physiology research and teaching, ICAR granted the status of Centre of Advanced Studies in Veterinary Physiology to this division in 1995.

The centre is having the responsibility of teaching and research with a mandate of training scientists and teachers of Universities and Research Institutes. The Centre of Advanced Studies (CAS) was renamed as Centre of Advanced Faculty Training (CAFT) by the Council in the year 2010.

INSTITUTE

The ICAR-Indian Veterinary Research Institute is one of the premier research institutions of South East Asia, dedicated to livestock research and development in India. The Institute was established in the year 1889 and has rendered services as National Institute for more than 128 years to the country. In 1983, IVRI was accorded the status of Deemed to be University by UGC for the award of M.V.Sc. and Ph.D. degrees. The ICAR-IVRI is situated 8 Km north of Bareilly city. The Mukteshwar campus is about 175 Km from Bareilly main campus and 70 Km from Haldwani. The weather of Mukteshwar during the month of June remains cool with average minimum tem-



perature of 15- 25 °C and average maximum temperature of 28 °C.

COURSE CONTENT

Environmental stress and molecular chaperones, stress and immunity, oxidative

stress, Impact of stress on reproductives, Post absorptive metabolic changes and gene expression in heat stressed and thermoneutral pair feeding management of pariparturient animals with special emphasis to transition physiology, Immune-modulators or antioxidants to enhance the duration and intensity of genes for climate resilient livestock production. Recent advances in stress genomics in poultry, goat, sheep, cattle, buffaloes, camel, Yak. High altitude physiology

SEMINAR

Participants are expected to deliver a short seminar highlighting their activities in the parent organization.

CERTIFICATE

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

FINANCIAL ASSISTANCE

No course fee will be charged for joining the course. The participants will be paid TA as per entitled class restricted to 2nd AC and DA for the journey period, provided they produce a certificate from the parent organization to the effect that they are not being paid TA and DA for this course. The participants will have to produce documentary evidence of travelling in the entitled class. Local hospitality including free boarding and lodging will be arranged in the institute guest house. Local participants will be provided with minimum hospitality of lunch, tea etc.

APPLICATIONS

Candidates may log on to www.iasri.res.in/cbp, apply online and send duly forwarded application to the Director, CAFT on or before May 20, 2018 through E-mail or by post to Director, CAFT. *Selection will be made on first come first serve basis.*