

Patron :Dr R. K. Singh, Director, I.V.R.I.

Director, CAFT :Dr G. Taru Sharma

Course Convener:Dr. Vikrant Singh Chouhan

Co-Conveners :Dr. V.P.Maurya

Dr. Gyanendra Singh

Dr. Vikash Chandra

Faculty

Faculty of CAFT in Veterinary Physiology

Faculty of IVRI from allied disciplines

Guest faculty of distinguished Indian experts



Contact for further correspondence:

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APPLICATION FORMAT

Prospects & Retrospects in Assisted Reproductive Technologies

(January 08 to January 28, 2016)

Full Name (Block letters) :

Date of birth :

Designation :

Present employer with address:

Address for correspondence with Telephone/ Mobile number, Fax number and Email:

Academic qualifications starting from graduate level:

Name of Degree	University	Year of Passing	Major Subject Offered

Signature of candidate

Certificate from employer:

The application of Dr./Mr/Ms....is hereby recommended for attending the course entitled “**Prospects & Retrospects in Assisted Reproductive Technologies**” being organized by CAFT in Veterinary Physiology, Division of Physiology & Climatology, IVRI, Izatnagar from **08.01.2016 to 28.01.2016**. It is further certified that the information furnished by him/her has been verified and found correct.

Signature of recommending/ sponsoring authority

with seal

A SHORT COURSE

on

PROSPECTS & RETROSPECTS IN ASSISTED REPRODUCTIVE TECHNOLOGIES

(08.01.2016 to 28.01.2016)



CAFT in Veterinary Physiology
Division of Physiology and Climatology
ICAR-INDIAN VETERINARY RESEARCH INSTITUTE
IZATNAGAR- 243 122 (U.P.) INDIA



Prospects and Retrospects in Assisted Reproductive Technologies

(08.01.2016 to 28.01.2016)

INTRODUCTION

Reproduction is a complex phenomenon in which several events occur at precise time and magnitude. A phenomenal progress in the area of assistant reproductive technologies has been made, especially during last three decades in livestock industry as well as in biomedical sciences, but side by side few concerns have also been shown for the optimum use of these technologies. This short course aims to review the prospects & retrospect in assisted reproductive technologies developed through research and if could be utilized at commercial level.

SHORT COURSE

A training course of 21 days duration is being proposed on Prospects & Retrospect in Assisted reproductive technologies. The candidates will be selected from the disciplines of Animal Physiology, Pharmacology & Toxicology, Livestock Production and Management, Animal Genetics and Breeding, Biochemistry, Biotechnology, Gynecology & Obstetrics and related allied disciplines, working not below the rank of Assistant professor and equivalent under SAUs, ICAR institutes or other Government Institutes.

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 of Advanced Studies (CAS) was renamed as Centre of Advanced Faculty Training (CAFT) by the Council in the year 2010. The centre is having a mandate of training scientists and teachers of NARES.



INSTITUTE

Indian Veterinary Research Institute (IVRI) is a premier National Institute of Indian Council of Agricultural Research. The Institute was established in the year 1889 and has rendered services for more than a century 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. degree and first batch of B.V.Sc & A.H. has been admitted in 2015 at this institute.

COURSE CONTENT

Follicular dynamics, endocrinological and nutritional intervention in folliculogenesis and luteogenesis, role of various mitogenic pathways in follicular and luteal function, molecular mechanism of oogenesis and early embryo development, physiology of early gestation, recent development in the estrus synchronization, advances in multiovulation protocols, ovum-pick-up technology for quality embryo production, strategies to enhance *in vitro* embryo production. Prospects and limitations in ARTs. Bull fertility issues and measures, ICSI, cryopreservation of gametes/embryos/stem cells, prospects of sperm /embryos sexing in farm animals, nuclear transfer & reproductive cloning, prospects of transgenic animal production, impact of climate change on reproductive health and mitigation strategies,

farm animal infertility and its strategic management, environmental toxicants and effects on animal reproductive health, stem cell biology and reproductive health, Microencapsulation and nanobiology in augmenting reproduction, way forward for reproductive health management.

SEMINAR

All the participants are expected to make a brief presentation seminar highlighting their activities at 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 sleeper 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.

BOARDING AND LODGING

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, coffee etc

APPLICATIONS

Candidates may log on to www.iasri.res.in/cbp, apply online and send duly forwarded application by post to Director CAFT on or before 30th December, 2015. ***Selection will be made on first come first serve basis.***