



INFORMATION BROCHURE



CAFT Course

**“Current Knowledge and Future Challenges in Domestic
Animal Theriogenology”**

October 3 to 23, 2019

Sponsored by
Indian Council of Agricultural Research (ICAR)
New Delhi

CAFT Coordinator
Dr S K Uppal
(Dean Post Graduate Studies)

Course Director
Dr Prahlad Singh

Course Coordinators
Dr Ajeet Kumar **Dr Shahbaz Singh Dhindsa**

Organized by

Department of Veterinary Gynaecology and Obstetrics
Guru Angad Dev Veterinary and Animal Sciences University
Ludhiana – 141 004, Punjab, India

CAFT Course

“Current Knowledge and Future Challenges in Domestic Animal Theriogenology”

Optimal reproduction is the prerequisite for sustainable milk production in the country. Latest reproductive technologies are employed for ideal animal management, diagnosis and treatment of genital diseases, selection of future breedable animals and proliferation of profit-oriented ventures viz. swine, equine and canine breeding. Now days, certain reproductive technologies viz. ultrasonography of genitalia, synchronization of estrus, management of dystocia through fetotomy and c-section, infra-red thermography, artificial insemination in swine, cryopreservation of gametes and embryo, ovum pick up, superovulation and embryo transfer have been a part of on-farm livestock reproductive research. A progressive consolidation of fertility augmentation warrants efficient use of these techniques.

OBJECTIVES

1. To identify current impedes for use of latest reproductive technologies for improved production.
2. To provide a podium for scientists to converse the current knowledge and future challenges in Theriogenology.
3. To acquaint scientists to various reproductive technologies for fertility augmentation program.

SALIENT COURSE CONTENTS

CAFT course entitled “Current Knowledge and Future Challenges in Domestic Animal Theriogenology” will include topics related to following broad headings:

- Mitigation of stressful effects of climate change on reproductive efficiency of dairy animals;
- Role of melatonin in augmenting reproduction in dairy animals;
- Proteomics, estrus and endocrine characteristics in repeat breeding cattle;
- Diagnosis and treatment of uterine diseases;
- Ultrasonographical interventions and applications in animal reproduction;
- Advances in synchronization of estrus in bovine for optimum financial profitability;
- Prognosis of dystocia affected animals;
- Management tools for uterine torsion in bovine and post recovery evaluation;
- Minimizing post cesarean complications and mortality in bovine- Recent updates;
- Patho-diagnosis of reproductive tumors;
- Diagnostic tools for male infertility in domestic animals;
- Management of bull fertility and semen technology;
- Breeding management of postpartum mare;
- Biomolecular changes in semen during cryopreservation;
- Antisperm antibodies- a major cause of RBS in dairy animals;
- Breeding in canine through advanced reproductive techniques;
- Reproductive and breeding interventions in sow and future prospects;
- Semen production in swine;
- Oocyte characteristics in repeat breeding cattle;
- Advances in superovulation and ETT;
- Oocyte recovery through ovum pick-up in farm animals;
- Embryo production and in vitro fertilization in bovine;

VENUE AND DURATION

The CAFT course will be organized at Department of Veterinary Gynaecology and Obstetrics, College of Veterinary Science, Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana. The duration of the training will be of 21 days from 3-23 October, 2019.

ELIGIBILITY

All teachers / scientists having MVSc degree and working not below the rank of Assistant Professor in the State and Central universities / ICAR institutions, KVKS.

APPLICATION SUBMISSION

Applications are invited from eligible candidates in the given format and should be sent through proper channel to the Course Director. Forms are also available on the Institute's website (www.gadvasu.in). Advance copy may be sent through email to Course Director for early registration. The last date for receiving nominations is 15 July, 2019.

SELECTION AND CONFIRMATION OF PARTICIPANTS

The total number of participants will be as per the approval of ICAR. A list of candidates will be prepared as per the criteria laid for the course and will be displayed in the University website along with the intimation to the selected participants through email.

TRAVEL, BOARDING AND LODGING

Traveling expenses may be reimbursed on actual basis as per the entitlement of the scientist/teacher who attends the training and the participant should produce money receipts/ tickets in support of claim. The participants are requested not to bring any family member with them. CAFT will bear travel expenses of trainees by the shortest route as per their entitlement for class of travel, which however is restricted maximum to AC II class by rail excluding Rajdhani express. The candidates are advised to make their travel reservations well in advance.

The participants will be accommodated in the Scientist Home at Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana.

HOW TO APPLY

Online application could be made by registering on the web portal as candidate at <http://cbp.icar.gov.in/HomePage.aspx> by selecting the said training course.

HOST INSTITUTE

Guru Angad Dev Veterinary and Animal Sciences University, was established at Ludhiana on 9 August, 2005 and started functioning from 21 April 2006 for promoting livestock production, health and prevention of the disease(s) through integrated teaching, research and extension programme(s). Department of Veterinary Gynaecology and Obstetrics, Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana is the Centre of Advanced Faculty Training (CAFT) under the auspices of Indian Council of Agricultural Research (ICAR, New Delhi). The department has an adequate facility for the conduct of a CAFT course along with the facility of a dairy farm and well established Semen Centre. This department has well trained scientists having vast experience in the field of animal reproduction. Almost all faculty members have visited / worked in universities abroad for their PhD/Post Doc/Visiting scientist/ research collaboration. This department has a good number of ongoing research projects in hand. Experienced faculty is already engaged in organizing various training programs under CAFT, refresher courses for veterinary officers and farmers. University has a good number of vehicles for transportation. All the University class rooms/ seminar rooms are equipped with latest teaching aids. The University is located in the central part of Ludhiana having a distance of 100 Km from Chandigarh, 320 Km from Delhi and 160 Km from the historic place Golden Temple Amritsar. The climate during October is pleasant with maximum temperature of 32°C and minimum temperature of 15°C. The Railway station and Bus stand are approximately 5 km from the University campus.

IMPORTANT DATES

Last date for receipt of nomination (Through Proper Channel)	:	15 July 2019
Intimation of Selection	:	31 July 2019
Last date of confirmation from Participants	:	15 August 2019

CAFT Coordinator

Dr S K Uppal

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COURSE DIRECTOR

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COURSE COORDINATORS

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APPLICATION FORM FOR PARTICIPATION IN CAFT COURSE
(To be submitted through proper channel to the Course Director)

Title of Course : _____

Duration : From | _____ | To | _____

1. Full Name (in Block Letters) : _____

2. Designation : _____

3. Present Employer and Address : _____

4. Address to which reply should be sent (in Block letters) : _____

E-mail ID : _____

Phone/Fax/Mob : _____

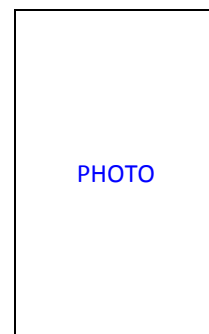
5. Permanent Address : _____

6. Date of Birth : _____

7. Sex : Male ☐ Female ☐

8. Marital Status : Married ☐ Unmarried ☐

9. Mention if you have participated in any summer/winter/short course etc. under ICAR/other organizations: _____



10. Academic Record: (Degree Onwards)

Examination Passed	Subjects Main/Subsidiary	University or Institute	Year of Passing	Class, Ranks, Distinction etc.
Bachelor Degree				
Master Degree				
Ph. D.				
Others				

11. Professional Experience

Sr. Post Held Period with Dates

Date: _____

Place: _____

Signature of Applicant

12. Recommendation of forwarding Institute

Signature with seal

CERTIFICATE

It is certified that the information has been furnished from the office record and was found correct

Date: _____

Signature and Designation of the
Sponsoring authority with address