



INFORMATION BROCHURE



CAFT Course

“Current Reproduction Technologies vis-à-vis Fertility Augmentation in Farm Animals”

October 9 to 29, 2018

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 Ashwani Kumar Singh Dr Mrigank Honparkhe

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

CAFT Course

“Current Reproduction Technologies vis-à-vis Fertility Augmentation in Farm Animals”

Perseverance of fertility is an integral component of profitable dairy enterprise. Reproductive technology is employed not only as a diagnostic tool in the routine clinical work, but also for disease diagnosis, herd and clinical research management in a range of species. Various reproductive technologies viz. Artificial Insemination (AI), Ultrasonography, Cryopreservation of gametes and embryo, Synchronization, Superovulation and Embryo Transfer have been a part of on-farm livestock reproductive research. Fertility biomarkers based on proteomics, infrared thermography, immunohistochemistry for steroid receptors, RIA/ELISA, IVF and IVEP etc. are considered most valuable reproduction techniques. A progressive consolidation of fertility augmentation warrants efficient use of these techniques.

OBJECTIVES

1. To impart knowledge about use of different reproductive technologies for improved calf production.
2. To provide a platform for scientists to discuss the development of cutting-edge technologies.
3. To exposure scientists to different reproductive technologies to fertility augmentation program.

SALIENT COURSE CONTENTS

CAFT course entitled, “Current Reproduction Technologies vis-à-vis Fertility Augmentation in Farm Animals”, will include topics related to following broad headings:

- Current updates on reproductive practices in farm animals;
- Ultrasonography a diagnostic tool for reproductive problems in farm animals;
- Doppler ultrasound imaging of reproductive organs of farm animals;
- Estrous synchronization protocols and economic attributes;
- Cytobrush technique in evaluating uterine health;
- Histopathological procedures in farm animal reproduction;
- Semen collection and vaginal cytology in farm animals;
- Role of seminal plasma proteins in semen fertility;
- Analysis of antisperm antibodies through ELISA;
- Nuclear Magnetic resonance: A diagnostic tool to evaluate fertility of semen;
- Detection of semen proteins through SDS-PAGE and Western Blotting;
- Procedures of fetotomy;
- Advances in reproductive biotechnology of farm animals;
- Embryo biotechnology in livestock;
- Oocyte aspiration, ovum pick-up and IVM procedures in dairy animals;
- Extension services in dissemination of reproductive technologies to end users;

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 9-29 October, 2018.

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 16 August, 2018.

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 in 9 August, 2005 and it 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 Science University (GADVASU) 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 about 10 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) | : | 16 August 2018 |
| Intimation of Selection | : | 31 August 2018 |
| Last date of confirmation from Participants | : | 15 September 2018 |

CAFT Coordinator

Dr S K Uppal

Dean Post Graduate Studies

Guru Angad Dev Veterinary and Animal Sciences University
Ludhiana -141 004, Punjab

COURSE DIRECTOR

Dr Prahlad Singh

Professor-cum-Head

Department of Veterinary Gynaecology and Obstetrics
Email: hodvgo@gmail.com, Mob. +91-161-2414003

COURSE COORDINATORS

Dr Ashwani Kumar Singh

Assistant Professor

Email: assengar2001@yahoo.co.in

Mob. +91-9815752049

Dr Mrigank Honparkhe

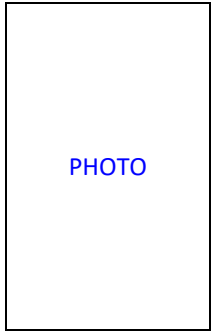
Gynaecologist

Email: honparkhem@rediffmail.com

Mob. +91-9417019974

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