



INFORMATION BROCHURE



Model Training Course

On

Embryo Transfer Training Programme for Improved Calf Production in Dairy Farming

November 15 to 22, 2017

Sponsored by

**Directorate of Extension Education (DOE)
Ministry of Agriculture & Farmers Welfare
Govt. of India**

Chief Patron

Dr Amarjit Singh Nanda

(Vice Chancellor)

Patron

Dr Harish Kumar Verma

(Director Extension Education)

Course Director

Dr Prahlad Singh

Course Coordinators

Dr Sumit Singhal

Dr Narinder Singh

Organized by

Department of Veterinary Gynaecology and Obstetrics

Directorate of Extension Education

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

Model Training Course

On

Embryo Transfer Training Programme for Improved Calf Production in Dairy Farming

In Dairy Cattle, a successful embryo transfer program should have the targets of 75% pregnancy rates. Graded animals can be improved by adopting embryo transfer which is less expensive than the traditional crossbreeding programme. The average donor can be superovulated successfully about 6 times under the guidance of an expert. Even some types of infertility can be treated with the adoption of embryo transfer programmes. The requirement of costly semen is very less for an embryo transfer programme in terms of more calves per insemination dose. Other benefits of embryo transfer, which are very important, visualizing the disease prevalence conditions in the country include prevention of disease transmission, safe import and export of genetic material, research tool, testing for undesirable traits, production of elite sires and bull mothers.

OBJECTIVES

1. To impart knowledge about embryo transfer technology for improved calf production in dairy animals.
2. To provide a practice platform for participants to discuss about the development of skill in embryo production.
3. Exposure to different technologies involved in an embryo production programme.

SALIENT COURSE CONTENTS

Embryo Transfer Training Programme for Improved Calf Production in dairy farming will include topics related to following broad headings:

- Reproductive endocrinology and follicular development based on Ultrasonography (USG);
- Palpation of cervix, uterus, ovaries, follicles and corpora lutea with advanced aids;
- Selection of donors and recipients;
- Estrus synchronization protocols for embryo transfer;
- Superovulation-use of follicle stimulating hormones, mechanisms of follicular maturation, ablation & ovulation;
- Heat detection methods;
- Preparation use and care of media, instruments and other accessories;
- Methods of embryo flushing and recovery;
- Evaluation, manipulation and classification of embryos;
- Recipient evaluation for embryo transfer;
- Techniques of transferring embryos;
- Sanitation of embryos for domestic use and for export;

VENUE AND DURATION

The Model Training Course will be organized at Department of Veterinary Gynaecology and Obstetrics, College of Veterinary Science and Directorate of Extension Education, Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana. The duration of the training will be of eight days from 15-22 November 2017.

ELIGIBILITY

The officers/Scientists of State Departments (Animal Husbandry/ Livestock Development Board) will be given first priority and fully funded however the Scientists of SAUs/KVKs/ICAR can be accommodated with the condition that their TA/DA will be borne by parent institute.

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 14 October, 2017.

SELECTION AND CONFIRMATION OF PARTICIPANTS

The total number of participants will be twenty. 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 entitlement of the official who attends the training and the participant should produce money receipts/ tickets in support of claim. In case of non-availability of normal reservation, the reimbursement of tatkal reservation charges may also be allowed to the participants. The provision to meet traveling expenses has been made for participants from the State Development Departments only. For others, TA/ DA may be borne by their nominating institute. However, all participants are entitled to avail the lodging and boarding and other facilities.

A certificate from the participant's host institute should be produced to the effect that no claim is being made for TA by from any other source/ State Govt. TA certificate from the participants is to be produced to the effect that no TA advance has been received from the sponsoring Department/Agency.

The traveling expenses of the officer not eligible for TA should produce a certificate the TA will be borne by the institute on behalf of the Ministry of Agriculture, Govt. of India.

The participants will be accommodated in the Scientist Home at Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana; Guest House CIPHET, Ludhiana; and/or nearby facilities.

HOST INSTITUTE

Guru Angad Dev Veterinary and Animal Sciences University, was established at Ludhiana in 9th 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 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 an embryo transfer training 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 11 ongoing research projects in hand. Experienced faculty is already engaged in organizing various training programmes 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 Punjab having a distance of 100 Kms from Chandigarh and 160 Kms from the historic place Golden Temple Amritsar. The climate during November is pleasant with maximum temperature of 27°C and minimum temperature of 17°C.

IMPORTANT DATES

| | | |
|--|---|-----------------|
| Last date for receipt of nomination (Through Proper Channel) | : | 14 October 2017 |
| Intimation of Selection | : | 26 October 2017 |
| Last date of confirmation from Participants | : | 1 November 2017 |

CHIEF PATRON

Dr Amarjit Singh Nanda

Vice-Chancellor

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

PATRON

Dr Harish Kumar Verma

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COURSE DIRECTOR

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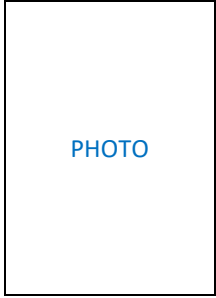
Assistant Professor

Email: narinder2002us@yahoo.com

Mob. +91 9815800349

APPLICATION FORM FOR PARTICIPATION IN MODEL TRAINING COURSE
(To be sent directly 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