



NUTRITION FOR REPRODUCTION IN FARM ANIMALS

An Advanced Short Course for Researchers and
Teachers in Animal Nutrition and Allied Disciplines

September 26 to October 16, 2018



**CENTRE OF ADVANCED FACULTY TRAINING IN ANIMAL NUTRITION
INDIAN VETERINARY RESEARCH INSTITUTE
IZATNAGAR – 243 122**

COURSE OBJECTIVE

The productive and reproductive performances of the cattle and buffaloes are much lower than the desired optimal level. This may be due to poor quality of germplasm, poor nutrition and management and some other factors. Feeding of cereal straws with imbalanced supplements was diagnosed as the major reason for low milk productivity, reduced body weight and perpetual low productivity in most animals. During early lactation, the demand for nutrients to support maintenance and milk production is given the highest priority. Thus, reproduction takes a “back seat” until these demands for nutrients are met. The key to getting cows and buffaloes to milk to their genetic potential and to getting them bred back is to provide them with a well balanced diet.

The present short course is therefore proposed to disseminate the recent advances in nutrition for reproduction in farm animals to enhance attendees’ skills in nutrition and reproduction of farm animals; to facilitate interactions with nutritionists, researchers and teachers in animal nutrition, and to provide opportunities for sharing and exchanging views in light of recent global advancements in the field.

COURSE DESCRIPTION

This course is designed for researchers and teachers of Animal Nutrition working in the National Agricultural Research and Education System including State Agricultural/Veterinary Universities. The course is especially applicable to professionals involved in animal nutrition research activities, with particular interest in animal health safety assessment studies. The course objectives will be achieved through a combination of presentations, practical exercises and group discussions. It will particularly focus on:

- Nutritional management of reproductive disorders
- Recent approaches for periparturient animals to optimize reproductive efficiency
- Micro-nutrients for reproductive health
- Molecular nutritional approaches to improve reproductive efficiency
- Analytical techniques in animal nutrition

Each participant will be required to deliver a short seminar highlighting his or her activities in their parent organization and also feedback on the course.

COURSE LOCATION

The course will be held at the Centre of Advanced Faculty Training in Animal Nutrition, ICAR-Indian Veterinary Research Institute, Izatnagar. Established in 1921, the Animal Nutrition Division of the institute has been the torchbearer for scientific and human resource development in the areas of Animal Nutrition and Feed Sciences in the country. In

the process, it has evolved into a premier seat of learning and recognized as **Centre of Advanced Studies in Animal Nutrition** by the Indian Council of Agricultural Research in 1995 with a mandate for human resource development in the frontier areas of Animal Nutrition to train scientists and teachers of National Agricultural Research System, which has subsequently been rechristened as Centre of Advanced Faculty Training since 2009. The proposed course **Nutrition for Reproduction in Farm Animals** is the 50th course in the series of short courses organized successfully so far by this centre.

IMPORTANT DATES

- Course duration: 21 days from September 26 to October 16, 2018
- Last date of receipt of application: 26 August, 2018

COURSE PERSONNEL

Patron

Dr. R. K. Singh, Director
ICAR-Indian Veterinary Research Institute

Course Director

Dr. A. K. Verma, Director
Centre of Advanced Faculty Training in Animal Nutrition
ICAR-Indian Veterinary Research Institute
E-mail: vermaak62@gmail.com

Course Coordinator

Dr. Narayan Dutta, Principal Scientist
Centre of Advanced Faculty Training in Animal Nutrition
ICAR-Indian Veterinary Research Institute

Core Faculty

Dr. A.K. Pattanaik, Principal Scientist
Dr. S.E. Jadhav, Senior Scientist
Dr. Anju Kala, Scientist
Centre of Advanced Faculty Training in Animal Nutrition
ICAR-Indian Veterinary Research Institute

APPLICATION PROCEDURE

Desirous participants not below the rank of Assistant Professor and equivalent in the concerned subject under Agricultural University /ICAR institutes need to apply online using the CBP portal of ICAR as per the following steps:

1. Log on to <http://iasri.res.in/cbp> or under the link Capacity Building Program at <http://icar.org.in>
2. Fill up the online application following the on screen guidelines.
3. Take a printout of the filled-in application and get it approved by the competent authority of your organization.
4. Upload the scanned copy of approved application at the CBP portal.

However, applicants may send an advance copy (via e-mail) directly to the Course Director as per the format given in this brochure. Selection of participants will be done from online applications and the list of selected participants will be uploaded/ displayed on the portal. The selected candidates will also be informed individually.

FINANCIAL IMPLICATION

No course fee will be charged for the course. The participants joining the course will be paid TA as per entitled class, but restricted to II AC Sleeper Class and DA for the journey period, provided they produce a certificate from the parent organization to the effect that they are not being paid any TA/DA for this course. The participants will have to produce documentary evidence of traveling in the entitled class. Lodging and boarding for all the outside participants will be arranged free of cost in one of our guesthouses for the period of their stay during the course.

TRAVELING

Indian Veterinary Research Institute, a premier National Institute of Indian Council of Agricultural Research is situated at Izatnagar, a satellite town of Bareilly city, 8 km North of Bareilly Junction. One can also reach Izatnagar from Bareilly railway station by rickshaw or auto rickshaw. The weather in September will be hot, temperature ranging from 23-35°C.

CONTACT FOR FURTHER DETAILS

Dr. Narayan Dutta

Principal Scientist & Course Coordinator

CAFT in Animal Nutrition

IVRI, Izatnagar-243 122, UP

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**CENTER OF ADVANCED FACULTY TRAINING IN ANIMAL NUTRITION
ICAR-INDIAN VETERINARY RESEARCH INSTITUTE
IZATNAGAR – 243 122**

APPLICATION FOR ATTENDING SHORT COURSE

1. Title of course :
2. Full Name (in block letters) :
3. Designation :
4. Present employer with address :
5. Address for correspondence with telephone, fax and e-mail :
6. Professional qualification :

| Name of degree | University | Major subject offered | Year of passing |
|----------------|------------|-----------------------|-----------------|
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7. Signature of applicant
8. Date and place
9. Certificate from employer :

The application of Dr/Mr/Ms _____ is hereby recommended for attending the course entitled *Nutrition for Reproduction in Farm Animals* being organized by the CAFT in Animal Nutrition, IVRI, Izatnagar from September 26 to October 16, 2018. It is further certified that the information furnished by him/her has been verified and found correct.

10. Signature of recommending authority with designation and official seal