

Feb 01-21, 2017



**AN
ADVANCED
SHORT
COURSE FOR
TEACHERS
AND
RESEARCHERS
IN ANIMAL
NUTRITION**

ADVANCES IN RUMEN MANIPULATION TO IMPROVE LIVESTOCK PRODUCTIVITY



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

COURSE OBJECTIVE

Livestock plays an important role in the rural economy and in supplementing the income of livestock owners. The feed constitutes the major production costs for livestock production. The shortage of feed and fodders as well as diversion of agricultural by-products towards industry, which primarily were used as animal feed, make the livestock production more challengeable. Modern approaches offer incredible opportunities to make livestock sector more profitable by getting better output in term of milk and meat. To maintain profitability in the absence of effective bio-nutritional tools, livestock producers could alternatively use practical and cost effective strategies that combine nutritional and management solutions. Therefore, the course has been designed to acquaint the researchers, teachers and extension workers of National Agricultural Research System with advance developments in modulation of rumen fermentation to improve livestock productivity. The presence of many experts and scientists, such as animal nutritionists, feed technologists, microbiologists, policy makers and academicians during the course is expected to facilitate the exchange and sharing of knowledge, information and skills in their respective fields.

COURSE DESCRIPTION

The course will cover lectures delivered by the scientists of the institute and invited experts from other organizations. A practical training in latest techniques will be imparted to the participants. The short course will be aimed mainly at improved and sustainable livestock production. The broad areas of the course will be as follows:

- Rumen microbial ecology of gastro intestinal tract of livestock
- Rumen manipulation to improve livestock productivity
- Rumen manipulation to reduce environmental pollution
- Hands on training on important techniques used in animal nutrition and rumen manipulation

Each participant will be required to give a brief presentation highlighting his or her activities in their parent organization and provide 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 science 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 **Advances in Rumen Manipulation to Improve Livestock Productivity** is the 47th course in the series of short courses organized successfully so far by this centre.

IMPORTANT DATES

- Course duration: 21 days from February 01 - 21, 2017
- Last date of receipt of application: 10 January, 2017

ELIGIBILITY

- ✓ Master's Degree in Animal Nutrition or allied subjects
- ✓ Working not below the rank of Assistant Professor and equivalent in the concerned subject under Agricultural University /ICAR institutes/allied organization

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

Course Coordinator

Dr L. C. Chaudhary, Principal Scientist
Centre of Advanced Studies in Animal Nutrition
ICAR-Indian Veterinary Research Institute

Core Faculty

Prof. D. N. Kamra, ICAR-National Professor
Dr S. K. Saha, Principal Scientist
Dr Anju Kala, Scientist
Centre of Advanced Studies 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 onscreen 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 IMPLICATIONS

No course fee will be charged for the course. The participants joining the course will be paid TA as per the entitlement, but restricted to II AC Class and DA for the journey period, provided they produce a certificate from their parent organization to the effect that they are not being paid any TA/DA for attending this course. *The participants will have to produce documentary evidence of travelling 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.

REACHING IVRI

ICAR-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, on Bareilly-Nainital highway. Bareilly is well connected by road as well as by train with New Delhi. One can reach Izatnagar from Bareilly railway station by rickshaw or auto rickshaw. The weather in February will be cool, temperature ranging from 12-25°C.

CONTACT FOR FURTHER DETAILS

Dr L. C. Chaudhary

Principal Scientist & Course Coordinator

CAFT in Animal Nutrition

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**CENTER OF ADVANCED FACULTY TRAINING IN ANIMAL
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INSTITUTE
IZATNAGAR – 243 122**

APPLICATION FOR ATTENDING SHORT COURSE

1. Title of the 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 :

<i>Name of degree</i>	<i>University</i>	<i>Major subject offered</i>	<i>Year of passing</i>

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 ***Advances in Rumen Manipulation to Improve Livestock Productivity*** being organized by the CAFT in Animal Nutrition, ICAR-IVRI, Izatnagar from February 01-21, 2017. 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