APPLICATION FORMAT

Strategies to maximize the productive efficiency of farm animals

1. Name of Candidate:
2. Name of College:
3. Department of Student:
4. Enrolment No.:
5. Date of birth:
6. Designation:
7. Address for correspondence:
8. Mobile:
9. Email:
10. Academic qualifications:
11. Signature of candidate:
12. **Certificate from HOD/OIC/Advisor:**

The application of Dr./Mr/Ms ..... is hereby recommended for attending the training program entitled **"Strategies to maximize the productive efficiency of farm animals"** being organized by the Department of Veterinary Physiology and Biochemistry, SVPUAT, from 20.05.2023 to 29.05.2023. It is further certified that the information furnished by him/her has been verified and found correct.

Signature of HOD/OIC/Advisor

A 10 days Training Program

on

Strategies to maximize the productive efficiency of farm animals

(May 20 to May 29, 2023)

Organized

by

Department of Veterinary Physiology and Biochemistry, College of Veterinary and Animal Sciences, SVPUAT, Meerut-250110, UP

Chief Patron: Dr. (Prof.) K. K. Singh
Hon'ble Vice-Chancellor

Patron: Dr. Rajeev Singh
Dean, COVAS

Course Director: Dr. R K Singh
OIC, Vet Physio. & Biochem.

Course Coordinator:
Dr. Gulab Chandra

Organizing Secretary:
Dr. R A Siddique
Dr. Prabhakar
Dr. Debashis Roy
Dr. Koushlesh Ranjan
Dr. Mahesh K Bharti
Dr. Devesh K Yadav

Co-organizing secretary:
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Dr. Aditya Kumar
Dr. Yousuf Dar
Dr. Manoj K Singh
Dr. Ahmad Fahim

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INTRODUCTION

The total livestock population of the country is 536.76 million out of which over 300 million is bovine population as per the 20th livestock census. India ranks first in milk production with annual milk production of 221.06 million tonnes and per capita availability of milk is also increased to 444 g/day. Even then the productive performance of the native livestock is not up- to the mark.The main reason for low production potential in the animals is improper nutrition, inadequate availability of feed and fodder, and metabolic diseases resulting in physiological, biochemical and hormonal imbalances which leads to several reproductive problems as delayed puberty, decreased ovulation and conception, high embryonic and foetal losses, anoestrous in female and inferior semen quality in male. The theme of this training program is very relevant in the present context because, without combined interventions of physiology, nutrition, and management the productive performance of our livestock may not be enhanced.

TRAINING PROGRAM

A training of 10 days duration is being proposed in this very important area of strategies to maximize the productive efficiency of farm animals. This training program is helpful for UG. PG, and PhD students of Veterinary and Animal Sciences. Therefore, UG, PG, and Ph.D. students of the aforesaid subject may participate in this training program.

UNIVERSITY

Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut was established on 2nd October 2000 and has the honour of being the "First Agriculture University of the 21st century". It is a professional University providing education, research, and extension activities in an integrated manner. The University reflects a global outlook and is envisioned to set a revolutionary pace for creating professional achievers in the field of Agriculture, Bio-Technology, Veterinary Science, Technology, Post-Harvest Technology, and other related Technologies/ Sciences. The University offers undergraduate, postgraduate & Ph.D. programs matching international standards in Agricultural and Technology education and also provides research opportunities with modern equipped laboratories and agriculture research centers. The courses and research projects have been carefully designed to offer a wide variety of high-tech disciplines that are flexible and suit the dynamic requirement of the students, and research scholars and assure the prosperity of farmers and rural communities.

COURSE CONTENT

- Udder development during pre and natal
- Functional and metabolic organization of mammary glands – structure, and development
- Hormonal regulation of mammogenesis
- Hormonal control of lactogenesis, and galactopoiesis
- Milk letdown and lactation curve
- Biosynthesis of milk constituents, secretion of milk
- Oxidative stress during the peripartum period
- Heat stress and its management
- Nutritional management
- Reduction of parasitic load to maximize the productive performance
- Different milch breeds of cows and buffaloes and their breeding policy
- Housing management of dairy animals
- Body condition scoring in farm animals
- Composition of milk in different species of animals
- Induced lactation

CERTIFICATE

A certificate will be awarded to the participants on the successful completion of the course.

FINANCIAL ASSISTANCE

No fee will be charged for joining this training program.