

Steps for online application for the participation to the training and registration fee collection

1. Open webpage of Capacity Building Program website of ICAR <http://cbp.icar.gov.in/>
2. Login with your login ID and password
3. After login- click "participate in training"
4. Select radio button of "winter/summer school"
5. Scroll down to serial number "32" and click "apply" link on your right side of the screen.
6. Submit the form
7. Take the print out of submitted form, get approval from authority/Head of the department (if applicable) and sign it.
8. Scan signed document and email to directorabt@gmail.com and cc to sethi116@gmail.com or mail it to the address.
9. Wait for the confirmation email from the course director upon selection of your application for the training.
10. Upon receiving confirmation email from the course director, please notify your acceptance for the training.
11. A registration fee of **Rs. 50** per participants will collected from the participants at the time registration in form of demand draft (preferably from Nationalized Bank like SBI) in favor of **Comptroller, GADVASU** payable at **SBI, PAU Branch, Ludhiana** (IFSC code SBIN0001482)
12. An advance copy of the application form may be send to the course director through email.



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- Dr. Asha Dhawan, Dean, College of Fisheries

Course Director

Dr. Ramneek, MVSc. PhD.

Course Director and Professor
School of Animal Biotechnology
GADVASU, Ludhiana – 141004
Phone: 0161-2414023; 9876066766
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Course Co-Directors

Dr. R. S. Sethi

Professor
School of Animal Biotechnology, GADVASU, Ludhiana

Dr. Dipak Deka

Assistant Scientist
School of Animal Biotechnology, GADVASU, Ludhiana

Last date for submission of the application to the course director is 14th August.

Winter School

on

Recent approaches in Animal Disease Diagnostics and Vaccinology

Sep 26, 2017 to Oct 16, 2017

Sponsored by



Indian Council of Agricultural Research
(ICAR), New Delhi – 110012



Organized by



School of Animal Biotechnology
Guru Angad Dev Veterinary and Animal
Sciences University (GADVASU), Ludhiana
141004, PUNJAB

Background

School of Animal Biotechnology (SABT), GADVASU is organizing an ICAR winter school on **“Recent approaches in Animal Disease Diagnostics and Vaccinology”** for 21 days period starting from Sept 26-Oct 16, 2017. The training program will consist of good blend of group discussion and hands-on-practice which would be conducted by highly qualified faculty and guest faculty. The training program is conceived with an idea to provide insight to the participants about the latest tools and molecular biology techniques of animal disease diagnosis and vaccinology.

Objectives

1. **To decipher the theoretical knowledge and hands on practical knowledge in animal disease diagnosis and vaccinology.**
2. **To increase awareness of latest diagnostics tools and techniques and advancement in the field of molecular technology.**

Course contents

- Cell culture and virus quantification
- Plasmid and DNA isolation
- Gene cloning and expression
- NGS and animal disease diagnosis
- Recent advances in parasitic disease diagnosis, mammary tumors, fungal infection
- SDS-PAGE and Western blotting
- Immunohistochemistry
- Real time-qPCR
- Bioinformatics tools for diagnostics and vaccines
- Next generation vaccines

Eligibility

Scientist or Assistant Professor (or above or equivalent in National Agricultural Research System (NARS) of ICAR, SAU, KVK and other working in agriculture and allied discipline.

Dates and duration of the course

September 26- October 16, 2017 (21 days)

Certificate

After completion of the course, all the participants shall be presented with a course completion certificate.

Boarding and lodging

Accommodation on twin sharing basis will be made available in non-AC /AC rooms of University guest house/scientist home for outside participants. Delicious and wholesome food will be provided free of cost with tea/snacks. Travelling expenses will be reimbursed for bus, train (2/3rd AC tickets) upon production of tickets. Family members of participants are not allowed.

Travel

The university is located 5 km away from Ludhiana railway station (LDH). Ludhiana is very well connected from Delhi (320 km), Amritsar (136 km) and Chandigarh (100 km). It is located on Delhi-Amritsar Grand Trunk Road (NH-1) and well connected by Shatabdi and Rajdhani express trains. Closest airport is Chandigarh/Mohali. Ludhiana is an important industrial town in Punjab with textile and light engineering being the main industries. Sept-Oct month is pleasant.

About the institution

Guru Angad Dev Veterinary and Animal Sciences University (GADVASU) is a newly established university in 2006 with the aim to impart quality education to generate trained manpower in the discipline of Veterinary Science, Fisheries, Dairy Science and Technology and Animal Biotechnology for improving animal health and production. The university also aims to provide research and development support for the generation and dissemination of knowledge for the growth of livestock sectors with the ultimate objectives for food and nutritional security, employment generation, poverty alleviation, women empowerment and economic prosperity.

School of Animal Biotechnology

The School of Animal Biotechnology was established in the year 2008 with the mandate to generate qualified/trained human resource in the field of Animal Biotechnology as well as to improve animal health and production through intervention of biotechnology. The school has developed excellent teaching and research components. Research laboratories are equipped with latest instrument which help researchers and post-graduate students (MVSc/MSc/PhD) to conduct projects works and for the students in gaining a better understanding of the subject. [School of Animal Biotechnology is going to offer B.Tech, Biotechnology \(a 4-year degree program\) beginning from 2017-18 session.](#)

School's research programs are focused on;

1. Animal Genomics and Bioinformatics
2. Molecular Diagnostics and vaccinology
3. Stem Cell and Molecular Biology