

**ICAR Summer School on
“Applied Aspects of Statistical Modeling and
Inferences in Veterinary and Animal Sciences”**

August 21 to September 10, 2018

**APPLICATION FORM FOR PARTICIPATION IN
SUMMER SCHOOL**

1. Full Name (Block Letters):
2. Designation:
3. Present Employer:
4. Address for correspondence:
5. Contact number & email:
6. Date of birth:
7. Gender:
8. Teaching/ Research/ Professional Experience (mention post held) during last 5 years:
9. Marital Status:
10. Mention if you have participated in any research seminar, Summer/ Winter/ Short Courses etc. during last year under ICAR/other organizations:
11. Academic Qualifications

Degree	Discipline	Year	Class	University
Ph.D.				
Master				
Bachelor				
Other				

12. DD/ Postal Order No. _____ dated _____ for Rs. 50/- in favour of Comptroller, GADVASU, Ludhiana payable at Ludhiana for registration (non-refundable).

Place: _____

Date: ___/___/_____

Signature of Applicant

13. Recommendation of the Forwarding Institute:

Certified that information furnished by the candidate is correct and his/her participation in summer school is recommended.

Dated:

Signature with Seal

DATE AND DURATION

August 21 to September 10, 2018 (21 days)

ELIGIBILITY

Master's degree in Veterinary Sciences/ Animal Husbandry/ Dairy sciences/ Fisheries/ Agriculture/ any other relevant subject. The participants should not be below the rank of Assistant Professor/ equivalent and be working under State Veterinary/ Agricultural University/ ICAR/ Central Institute.

NOMINATION AND REGISTRATION

Applications are invited from eligible candidates in the given format along with a registration fee of Rs. 50/- (Rupees fifty only) as DD/ postal order in favour of Comptroller, GADVASU, Ludhiana payable at Ludhiana. The candidate may apply online by visiting the website <https://cbp.icar.gov.in> or through 'Capacity Building Program' link under <http://www.icar.org.in>. Hard copy of the complete application in the prescribed format duly recommended by the competent authority should be sent to the Director, Summer School by post. **The last date for receiving the application is 29th June, 2018.**

The candidates will be notified about selection latest by 10th of July 2018.



Contact Us

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**ICAR sponsored
Summer School**
On



**Applied Aspects of Statistical
Modeling and Inferences in
Veterinary and Animal Sciences**

August 21 to September 10, 2018



Course Director

Dr. Baljinder Kumar Bansal

B. V. Sc & AH, M.V. Sc, Ph.D., PDF (Germany)

Course Co-ordinators

Dr. Raman Narang

Dr. Neeraj Kashyap

**Department of Animal Genetics and Breeding
College of Veterinary Science**

**Guru Angad Dev Veterinary and Animal Sciences University
Ludhiana-141004 (Punjab)**

ABOUT THE INSTITUTE

Guru Angad Dev Veterinary and Animal Sciences University (GADVASU) since its establishment in 2006 is divulged in imparting quality education, conducting research and disseminating knowledge for farmers' sake in the discipline of Animal, Veterinary, Fisheries and Dairy Sciences. The Animal Genetics and Breeding discipline existed as a constituent of the Department of Animal Sciences of the College of Veterinary Science. Later on, the Department of Animal Genetics and Breeding came into existence on the bifurcation of the Department of Animal Sciences in 1998. The department is actively engaged in teaching, research, extension and livestock farm activities. The institute has a good infrastructure of livestock farm having numbers of crossbred cattle, buffaloes, goats and poultry, generating valuable scientific data round the year.

ABOUT THE COURSE

The challenge of choice and suitability of statistical procedure is crucial in data analysis and interpretation. The faculty and scientific staff of animal and allied sciences background often face a problem in designing and concluding the research largely owing to lack of understanding in bio-statistical procedures. Better utilization of procedures in dedicated statistical packages like SAS, SPSS and R, requires hands on exposure. The summer school intends to address the need of proficiency in the basic biostatistics and sensitization to the advances in the field. This training programme would help researchers in formulating appropriate strategies to face the upcoming challenges. Once armed with an understanding of statistical concepts and methods, the scientist is better positioned to design and interpret scientific studies.

OBJECTIVES

The primary objective of conducting the proposed course is to provide background knowledge and hands-on training to animal and allied science specialists on handling, analysing and concluding the varied kinds of scientific data. The understanding of basic and applied aspects in statistical modeling will influence the success of a scientist in terms of designing and analyzing the data to draw plausible inferences.

COURSE CONTENT

The course has been structured in a series of modules with classroom lectures integrated with practicals, including demonstration in statistical software. Study material in the form of teaching manuals will be provided to all the participants beforehand. Participant evaluation shall form an important part of the summer school. Some selected topics to be covered are:

- ⇒ Introduction to various data formats and data editors
- ⇒ An Introduction to 'SAS', 'SPSS' and 'R' package
- ⇒ Biological data standardization and testing for normality
- ⇒ The parametric tests of hypothesis
- ⇒ The non-parametric tests of hypothesis
- ⇒ Concepts of ANOVA and rational selection of Post-HOC tests
- ⇒ Linear modes and Least Squares Analysis
- ⇒ Linear Regression: univariate and multivariate modeling
- ⇒ Non-linear regression modeling
- ⇒ Concepts and application of logistic regression
- ⇒ Risk factor analysis
- ⇒ Multivariate analysis.
- ⇒ Molecular polymorphism association analysis
- ⇒ RT qPCR data analysis

INVITATION

I on behalf of the Faculty of Animal Genetics and Breeding, GADVASU invite the faculty members of the various State Agricultural/ Veterinary Universities, Veterinary Colleges and ICAR/ Central institutes for participation in Summer School on "*Applied Aspects of Statistical Modeling and Inferences in Veterinary and Animal Sciences*"

Baljinder Kumar Bansal
Course Director, Summer School

ABOUT LUDHIANA

Ludhiana city is situated on the banks of Sutlej river. It is the largest city of Punjab and is considered major industrial and education hub of north India. The city is very well connected by rail/ road to Delhi (320 km), Amritsar (136 km), Chandigarh (100 km) and Jammu (270 km). The University campus is situated on Ludhiana-Ferozepur road. The railway station and bus stand are approximately 5 km away from the university campus.

TRAVEL & ACCOMODATION

Travel expenses, including to and fro journey by the shortest route as per entitlement class of travel, restricted to the maximum AC-II fare by mail/ express train, excluding dynamic fare, will be reimbursed on actual production of tickets. The participants are advised to make their travel reservations well in advance. Accommodation on twin sharing basis, will be made available in the university guest house. The participants are requested not to bring accompanying member with them. The boarding, and lodging for the trainees will be provided free of cost from ICAR funds as per norms and operational guidelines for organization of summer/winter schools.

IMPORTANT DATES

Last date of application: 29th June 2018
Final selection of participants: 10th July 2018