



Department of Botany
Zakir Husain Delhi College
NAAC Accredited "A" Grade College
(University of Delhi)



National Workshop on Statistical Analysis of Biological Data



FROM 17/01/2022 TO 21/02/2022
(THROUGH AN ONLINE MODE)

Self Paced

Graded Certificate

Aim of the Workshop

There is a tremendous boom in the availability of biological data in the present day. Analysis and interpretation of the biological data is extremely crucial to explore various possibilities to resolve the challenges being faced. Biostatistics is a crucial tool required to ignite this fuel of biological data. Biostatistical reasoning and modeling are of critical importance since the time when foundation theories of modern biology were being laid. Biostatistics is the study of statistics as applied to biological areas. Biological laboratory experiments, medical research (including clinical research), health services and the impending environmental issues all use statistical methods. Some statistical methods are used more heavily in biostatistics than in other fields. Unfortunately, there are very few textbooks, which could appropriately fulfill the requirements of the Biostatistics course at the basic levels. In view of this inadequacy, Department of Botany, Zakir Husain Delhi College is planning to organize a 5 weeks long online national workshop on biostatistics. The aim of this workshop is to enable next generation researchers to be equipped with the technique of analyzing the experimental data in a more meaningful manner. This workshop will help understand the principles of data collection, presentation, analysis along with elementary probability, correlation and regression and methods of statistical inference.

Level of Workshop

The workshop is designed to basic level, which is most suitable for the beginners of any levels including undergraduate and postgraduate students, research scholars, and faculty members.

Key Topics to be Covered

- Introduction to Biostatistics
- Types of Data and Methods of Data Collection
- Classification of Data
- Representation of Data
- Measures of Central Tendency
- Measures of Partition Values
- Measures of Dispersion
- Correlation and Regression
- Test of Hypothesis
- Introduction to Probability
- Softwares in Biostatistics

Distinguished Speakers



Keynote Speaker

Dr. Rajeshwari Sundaram

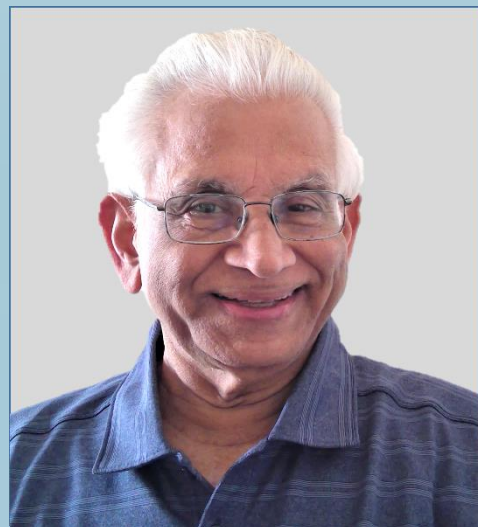
National Institute of Child Health and Human Development,
National Institutes of Health (NIH), USA



Chief Guest

Prof. K.S. Rao

Department of Botany
University of Delhi



Guest of Honour

Prof. T. R. Rao

(Formerly at)
Department of Zoology
University of Delhi



**Head of the
Department**

Prof. S. Lakhampaul

Department of Botany
University of Delhi



Prof. V. Sreenivas

(Formerly at)
AIIMS, New Delhi



Prof. Gyan Prakash Singh

Department of Statistics,
Banaras Hindu University



Dr. K. Venkataramana Bhat

(Formerly at)
ICAR-National Bureau of Plant
Genetic Resources

- **Dr. Dheeraj Kumar**
Department of Mathematics
Zakir Husain Delhi College, DU
- **Dr. Somdutta Sinha Roy**
Department of Botany
Miranda House, DU
- **Dr. Atika Chandra**
Department of Botany, Maitreyi
College, DU
- **Dr. Sweta Sharma**
Department of Botany, Maitreyi
College, DU

- **Dr. Savindra Kumar**
Department of Botany, Zakir
Husain Delhi College, DU
- **Dr. Swarnendu Roy**
Department of Botany,
University of North Bengal
- **Dr. Vinit Kumar Singh**
Department of Botany, Acharya
Narendra Dev College, DU

- **Dr. Shyama Prasad Saha**
Department of Microbiology,
University of North Bengal
- **Dr. Zeeshan ur Rahman**
Department of Botany, Zakir
Husain Delhi College, DU
- **Dr. Julie Thakur**
Department of Botany,
Bhaskaracharya College of
Applied Sciences, DU

Details of Sessions

This workshop's duration is of five weeks. The first day of the workshop will include a live inaugural session with three lectures followed by instruction to the participants. Thereafter, every week is associated with recorded/live video lectures (approximately 45 min per day) (5 days per week) for the training of participants and there will be an assessment based on the training on weekends followed by their evaluation. On the last day of the workshop, there will be a live valedictory session.

Registration

Online registration is mandatory to participate in the workshop to acquire certificate.

Registration Fee for the Participants

UG/PG students	100 ₹
Research scholar	200 ₹
Faculty members	500 ₹

Link for the registration: [Click here](#)

Account Details for Payment: (The fee can be deposited through NEFT/RTGS/any other mode.)

Account number: 8668101000002

Bank Name: CANARA BANK

Branch Name: ZAKIR HUSAIN COLLEGE BRANCH

IFSC Code: CNRB0008668

Registration is open until **January 12, 2022.**

Instructions

- All communications of the workshop will be made through registered email ID and/or Telegram to the participants.
- The live sessions will take place on **Microsoft Teams**.
- Submission of assessment of all the sessions (built on hands-on session training) is mandatory for successful completion of the workshop.

About College

Zakir Husain Delhi College holds the distinction of being in existence well before the establishment of Delhi University. It carries within itself a history of nearly 300 plus years as an institution of learning. The College is located in the proximity of the Walled City and is very close to Connaught Place, the center of Delhi. This gives the college a distinctly diverse cultural ambience that cherishes composite culture and a spirit of mutual accommodation. The college has a long tradition of excellence in the disciplines of Humanities, Commerce as well as Sciences. It runs undergraduate courses in 19 disciplines, the highest number in any college of the University of Delhi.

Members

Organizing Committee

Patron- **Prof. Sangeeta Pandita**

Convener- **Dr. Savindra Kumar**

Co-Convener- **Dr. Ratnum K. Wattal**

Organizing Secretary- **Dr. Tabassum Jehan**

Coordinator- **Dr. Zeeshan ur Rahman**

Dr. Malti Gupta

Dr. Babeeta C. Kaula

Dr. Devayani Muley

Dr. M. Wahid Ansari

Dr. Ashima Khurana

Dr. Deepika Sharma

Dr. Ruchi Vir

Mr. Kaushal Bhargava

Dr. Shivangi Shah