



DEPARTMENT OF BOTANY  
MAHARSHI DAYANAND UNIVERSITY, ROHTAK



One Week Training Program

On

“Experimental Design & Data Analysis in Biology”

February 14-19, 2022

Patron-In Chief



**Prof. Rajbir Singh**  
Vice-Chancellor

Patron(s)



**Prof. NovRattan Sharma**  
Dean, Academic Affairs



**Prof. J. P. Yadav**  
Dean, Life Sciences

Convenor



**Prof. Vinita Hooda**  
Head, Department of Botany

Co-ordinators

Dr. Surender Singh, Dr. Asha Sharma, Dr. Sunder Singh

Topics Covered

- Descriptive Statistics
- Correlation and Regression
- Testing of Hypothesis
- Tests of Significance
- Analysis of Variance and Post-hoc Analysis
- Experimental Design
- Principal Component Analysis
- Logistic Regression and Survival Models
- Mathematical Models and Applications in Life Sciences

Softwares / Online Resources for Data Analysis

- Excel
- SPSS
- OPSTAT
- R

- Target audience : Ph.D. Students of the faculty of Life Sciences
- No registration/participation fee
- Applicants should have a working knowledge of computers
- Number of participants: 50

Application Form for Training Program on  
on  
**‘Experimental Design and Data Analysis in Biology’**  
(for Ph.D. students of Life Sciences)  
February 14-19, 2022

1. Full Name (in block letters):
2. Department:
3. Field of specialization
4. Frequently used statistical techniques:
5. Ph.D. topic: .....
6. Mobile Number
7. Email Id

Signature of student

Recommendation and Signature of the Supervisor

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- ⇒ Last date for receipt of applications: 12.02.2022
  - ⇒ Number of participants: 50 (on first come first serve basis)
  - ⇒ Interested students should submit the duly signed copy in the office of the Botany department.
  - ⇒ Selected participants will be informed via email and are required to bring their own laptops for the training program
  - ⇒ For any queries, please contact Dr. Asha Sharma (Mob.: 9355135270) and Dr. Sunder Singh Arya (Mob.: 9416365375)