

**NATIONAL SEMINAR**  
*on*  
**“Multidisciplinary Research in Science”**

**April 22, 2025**



**Time : 9:30 AM**

**Venue: Swaraj Sadan, M.D.University, Rohtak**



**ORGANISER**

**Department of Zoology**  
**Maharshi Dayanand University, Rohtak, Haryana**  
**(NAAC Accredited 'A<sup>+</sup>' Grade University)**  
**(Funded by RK Foundation)**

## ABOUT THE UNIVERSITY

Maharshi Dayanand University established as Rohtak University, Rohtak, came into existence by the Act No. 25 of 1975 of the Haryana Legislative Assembly in 1976 with the objective to promote inter-disciplinary higher education and research in the fields of environmental, ecological and life sciences. It was rechristened as **Maharshi Dayanand University** in 1977 after the name of a great visionary and social reformer, **Maharshi Dayanand**. The University secured the recognition of University Grants Commission, the higher education regulatory body of India for central Govt. grants in Feb. 1983. The University campus, spread over an area of over 665 acres, is well laid with state-of-the-art buildings and presents a spectacle of harmony in architecture and natural beauty.

## ABOUT THE DEPARTMENT

The Department of Zoology, M. D. University, Rohtak has successfully organized 08 National Seminars and also published the proceedings every year with ISBN No. Continuing the same trend Department is organizing a National Seminar on **“Multidisciplinary Research in Science”** on April 22, 2025. The aim of this Seminar is to create a forum for the exchange of new ideas in the various fields of Life Sciences. The programme includes invited talks by eminent scientists and oral presentation by the participants on the theme/subthemes of the seminar.

## VISION

Department of Zoology under the Faculty of Life Sciences aspire to be internationally well recognised centre of excellence in the teaching and research in various areas of Animal Sciences to cater the needs of students and the society as global village.

## MISSION

The Department of Zoology is dedicated to excellence in research, interactive teaching by extending it beyond the textbooks and to encourage social, ethical and moral values among the stakeholders. The outgoing students enabled with scientific temper and imbibed skills will mark their presence emphatically by competing in all the fields of life as teachers, scientists, administrators and leaders to tackle diverse research and social challenges for smooth sailing of generations to come.

## ABOUT THE SEMINAR

The Department of Zoology proposes to hold one day National Seminar on the topic entitled **“Multidisciplinary Research in Science”** in April 22, 2025. The seminar will focus on the new vibrant era of science and technology which is now unfolding many important unaddressed problems in Life sciences. This becomes possible largely due to a multitude of recent technological advances: Digital and satellite imagery, global positioning systems (GPS), rapid and affordable travel, unimaginable computing powers, faxes and email, Real time PCR pyro-sequencing, Nanotechnology, NMR

and MRI, FTIR, HPLC and many more. All these new technologies allowed researchers/scientists to study things previously impossible. The century began with the rediscovery of Mendelian genetics, followed by the discovery of DNA structure, the genetic code itself, instinct and animal behavior, speciation, hybrids, partheno-forms, a new previously unknown Kingdom of chemosynthetic organisms, restriction enzymes, cloning, genetic engineering, genetic control of development, and understanding of metabolic pathways. Now every year, scientists foresee an explosion in scientific activity such as the world has never seen before. With the amalgamation of computer power and DNA sequencing, the entire industries rise and fall on the basis of breathtaking scientific advances. In the wake of this technological upheaval, entire industries and lifestyles are being overturned, only to give rise to entirely new ones. The main emphasis of this National Seminar is to upgrade the skill and knowledge enhancement of UG/PG students and Research scholars of science department of M.D. University. The theme/sub-themes of seminar will be focused on the multidisciplinary approaches in the field of **Science and Technology** like:

- Microbiology
- Bio medical technologies
- Biosensor Technology
- Biotechnology and Human Health
- Fisheries
- Molecular Biology
- Sustainable environmental studies
- Green Nanotechnology
- Any other recent/emerging area theme related to Life Sciences
- Applied Biology
- Biodiversity Conservation
- Biostatistics and Computers
- Epidemiological Diseases
- Genomics and Bioinformatics
- Pharmaceutical Sciences
- Toxicology and Xenobiotics

## **ABSTRACT**

Abstract (not exceeding 250 words) of original work are invited for oral presentations. The name of presenting author should be underlined. The abstract could be submitted up to **17.04.2025** by email to: [zoologymtst2022@gmail.com](mailto:zoologymtst2022@gmail.com). The abstract must be submitted in the following format:

- Abstract title (Times New Roman/12pt/bold/single line spacing/ maximum 2 lines)
- Authors Name (s) (Times New Roman/11pt /italic/ presenting author underlined)
- Affiliation (Times New Roman/10pt /italic/ single line spacing)
- Text of the abstract (Times New Roman /12pt / normal /single line spacing /justified).

Selected abstracts will be considered for **oral** presentations and the time limit will be 7-8 minutes.

## REGISTRATION:

- **On Spot (8.30 am to 9.00am)**
- **No Registration Fee**

## STUDENT COORDINATORS

### Management Committee:

Kamal	Yogesh	Lalit	Sourav
Kamal	Lokesh	Ankit	Hitesh
Nisha			

### Decoration Committee:

Anjali	Muskan	Ritu	Nidhi
Sonia	Saijal	Niharika	Ritu

### Stage Hosting Committee:

Swati	Aanya	Annu	Nisha
Preeti	Manvi	Shaina	Nishtha

### Registration committee:

Kamal	Mahima	Vikram
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## ORGANIZING COMMITTEE

### Patron-in-chief

**Prof. Rajbir Singh**

Vice-Chancellor  
M. D. U. Rohtak

### Patron

**Prof. Minakshi Vashist**

Dean, Faculty of Life Sciences

### Convener

**Prof. Minakshi Sharma**

Head, Department of Zoology

### Co-ordinators

**Prof. Vinay Malik**

**Dr. Ranjana Jaiwal**

### Organizing Secretaries

**Prof. Sudhir K. Kataria,**

**Prof. Sudesh Rani**

*For more information contact-*

**Prof. Vinay Malik ☎ 9416243261**

**Prof. Sudesh Rani ☎ 9729825140**