



Miranda House

UNIVERSITY OF DELHI

Departmental Annual Report - 3

Departmental Activities: Curriculum and Beyond

Department: Zoology

Year: 2023-24

Department Society and its Office Bearers:

Zoology Society, Synapse initiated a Lecture Series, as well as organized stand-alone lectures, workshops and events. Besides these, student activities such as Farewell, Teacher's Day, Children's Day, Fresher's Welcome and Departmental Fest were also organized.

Staff Advisors:

President	Vice President	General Secretary	Treasurer	Editors	Co-Editors	Event Manager	Creative Head
Sneha Adesh Mtharwal	Agrani Rana	Yukta Sharma	Malavika V	Preeti, Janice Pulicken	Sneha chhonkar, Eshika	Deeksha baghel, Swastika sanskriti	Avni Jambholkar

Staff Advisors:

Prof. Rekha Kumari

Dr. Pooja Suman



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Part B.1

Seminars/conferences/workshops conducted by the Department

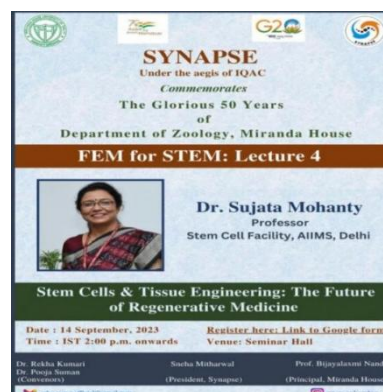
FEM for STEM:

The series was initiated to inspire young talented minds to take career paths in the field of STEM. Three lectures were organized this session.

The series was initiated on 14th September, 2023 to inspire young talented minds to take career paths in the field of STEM. The guest speaker was Dr. Sujata Mohanty (Professor, Stem Cell Facility, AIIMS, Delhi) who spoke on topic “Stem Cells & Tissue Engineering: The Future of Regenerative Medicine”. Total number of participants were 174 including 164 students and 10 teachers.

Participation Details:

Students	In-house faculty	Faculty outside MH	Total number of participants
B. Sc. Hons. Zoology- 164	10	0	174





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Dr. Saroj Kesar Memorial Lecture

On 20th November, 2023 the second memorial lecture in the memory of Dr. Saroj Kesar was organized. The speaker for the same was Dr. Rita Singh (Professor, Department of Zoology, University of Delhi). The topic for the lecture was “Physiology of Emotions: Environmental Modulation and Current Challenges”.

Participation Details:

Students	In-house faculty	Faculty outside MH	Total number of participants
B. Sc. Hons. Zoology 56	12	0	68





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Capacity Building Training Program on Animal Behaviour

Capacity Building Training Program on Animal Behaviour and Lecture series was conducted on “Animal Behaviour: unveiling the mysteries of the wilderness” for B.Sc. Hons Zoology Semester VI students.

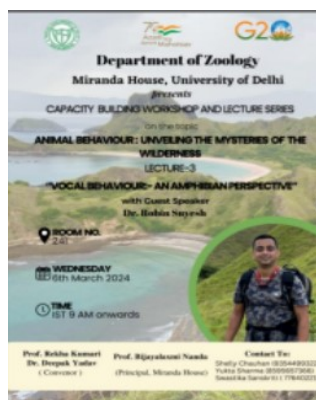
Mr. Asani Bhaduri delivered the first lecture on 21st February, 2024 on the topic “Observing the Wild: What, How and Where”.

Dr. M. Ojit Kumar Singh delivered the second lecture on 28th February, 2024 on the topic “Visiting the Visuals: Visual Stimuli in Communication”. This event was also celebrated as **National Science Day**.

The third lecture was delivered by **Dr. Robin Suyesh** on 6th March, 2024 on the topic “Vocal Behaviour- An Amphibian Perspective”.

Participation Details:

Students	In-house faculty	Faculty outside MH	Total number of participants
B. Sc. Hons. Zoology Semester 6 (65 students)	2	0	67





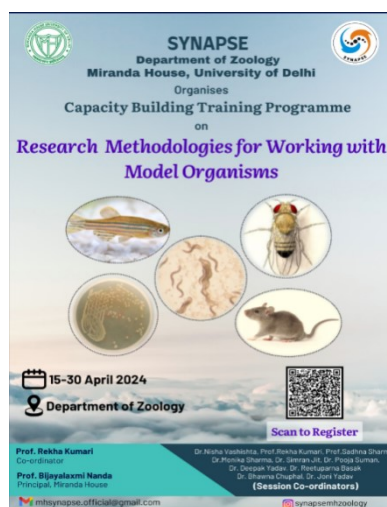
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Capacity Building Training Program on Model Organisms

From 15th to 30th April, 2024 a capacity building training program entitled “Research Methodologies for Working with Model Organisms” was conducted in which lectures by various speakers were delivered in addition to hands-on-training.

Participation Details:

Students	In-house faculty	Faculty outside MH	Total number participants
B. Sc. Hons. Zoology Semester (60 students)	11	0	71





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SYNAPSE
Department of Zoology
Miranda House, University of Delhi
Organises

Capacity Building Training Programme
on
Research Methodologies for Working with Model Organisms
presents first lecture on The Topic-
E coli- The workhorse of Biochemists & Molecular Biologists

15th April 2024
Room no. 248
11:30 a.m. onwards


Dr. MM Chaturvedi
Distinguished Visiting Professor, University of Jammu
Former Senior Professor, University of Delhi

Followed by Hands on training program.

Prof. Rekha Kumari
Co-ordinator


Prof. Bijayalaxmi Nanda
Principal, Miranda House


Prof. Rekha Kumari, Dr. Simranjit, Dr. Deepak Yadav
(Session Co-ordinators and Resource Persons)

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SYNAPSE
Department of Zoology
Miranda House, University of Delhi
Organises

Capacity Building Training Programme
On
Research Methodologies for Working with Model Organisms
Presents workshop session on
Hands-on experiments with Zebrafish


Date: April 18, 2024
Place: Room no. 241
Time: 10:30 am – 2:30 pm


Resource Person
Prof. Padamshree Mudgal
Daulat Ram College
University of Delhi

Prof. Bijayalaxmi Nanda
Principal, Miranda House

Prof. Sadhna Sharma
Dr. Monika Sharma
Dr. Reetuparna Basak
(Session Coordinators)

SYNAPSE
Department of Zoology
Miranda House, University of Delhi
Organises

Science Setu Programme of National Institute of Immunology
Organises

Capacity Building Training Programme
On
Research Methodologies for Working with Model Organisms
Presents a lecture on
Caenorhabditis elegans: an important model organism in life sciences
Followed by hands-on training programme


Date: April 19, 2024
Place: Room no. 241
Time: 1:30 pm onwards


Resource Person
Dr. Arnab Mukhopadhyay
National Institute of Immunology

Prof. Bijayalaxmi Nanda
Principal, Miranda House

Prof. Sadhna Sharma
Dr. Monika Sharma
Dr. Reetuparna Basak
(Session Coordinators)

SYNAPSE
Department of Zoology
Miranda House, University of Delhi
Organises

Capacity Building Training Programme
on
Research Methodologies for Working with Model Organisms
Session on **Drosophila melanogaster**

APR 23 Hands on training program
Time- 9 a.m. Venue-241

APR 24 Online talk by Prof. S.C. Lakhota on the topic 'Fly, a good model for Classroom Experiments and Research'
Time- 9 a.m. Venue-247


Prof. S.C. Lakhota
Department of Zoology
Bansari Hindu University

Prof. Bijayalaxmi Nanda
Principal, Miranda House

Dr. Neha Vashista
Dr. Pooja Suman
(Session co-ordinators and Resource Persons)

Deeksha Raghel, Priyanshi Rawat
Pallavi Singh, Shikha Tiwari, Sneha
Chhikkar and Ananya Gupta
(Student Co-ordinators)

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SYNAPSE
Department of Zoology
Miranda House, University of Delhi
Organises

Capacity Building Training Programme
On
Research Methodologies for Working with Model Organisms
Workshop on
Mouse as Model Organism for Research


Prof. Anita Kamra Verma
Department of Zoology,
Kirori Mal College,
University of Delhi

26 April

LECTURE
Friday | 12:00 P.M.
Department of Zoology,
Miranda House

HANDS - ON TRAINING
Friday | 1:30 P.M.
Department of Zoology,
Kirori Mal College

Prof. Rekha Kumari
Co-ordinator

Dr. Bhavna Chughal
Dr. Joni Yadav
Session Co-ordinators &
Resource Persons

Prof. Bijayalaxmi Nanda
Principal, Miranda House

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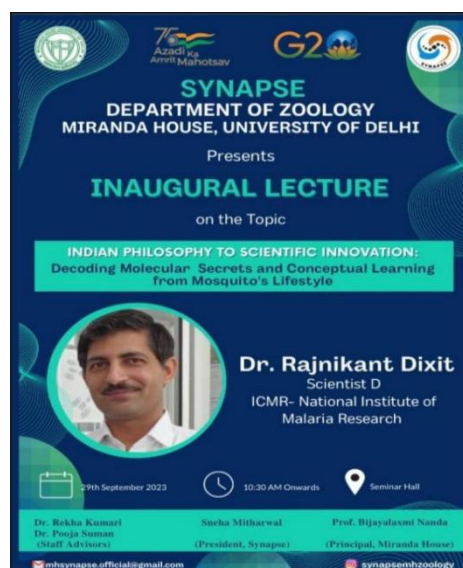
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Other workshops and sessions:

1. On 29th September, 2023 an **inaugural lecture** was organized. The speaker for the session was Dr. Rajnikant Dixit (Scientist ICMR- National Institute of Malaria Research). The topic for the lecture was “Indian Philosophy to Scientific Innovation: Decoding Molecular Secrets and Conceptual Learning from Mosquito’s Lifestyle”. Total number of participants were 184 including 10 teachers and 174 students.

Participation Details:

Students	In-house faculty	Faculty outside MH	Total number of participants
B. Sc. Hons. Zoology (Students-184)	10	0	174





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2. On 9th February, 2024 an **interactive session** was organized. The speaker was Dr. Geeta Ram (Senior Scientist, Cellinfinity Bio). The topic of the session was “The Antibacterial Drone Platform for Non-Antibiotic Treatment of Staph Infections. Total number of participants were 90.

Students	In-house faculty	Faculty outside MH	Total number of participants
B. Sc. Hons. Zoology Semester 6 (80 students)	10	0	90





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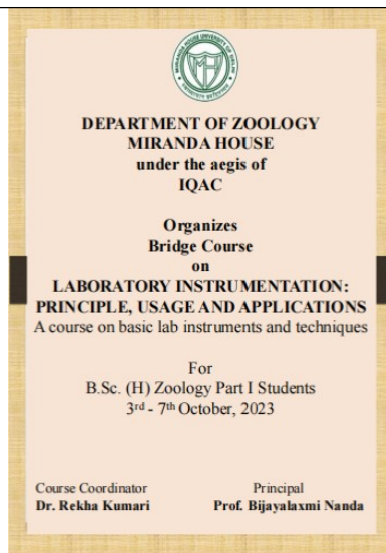
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Part B.2

Extension Activities organized

Bridge Course on *Laboratory Instrumentation: Principle, Usage and Applications* was conducted from October 3rd-7th 2023, under the aegis of IQAC for B.Sc. Hons. Zoology First year students. The course structure aimed to provide an introduction to laboratory instruments and techniques present in the Department.

Participation Details:



Students	In-house faculty	Faculty outside MH	Total number of participants
B. Sc. Hons. Zoology (39) and	11	0	50

Career counselling Sessions:



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On 7th March, 2024 a **field trip to Udaipur, Kumbalgarh** was organized as part of the curriculum. Total 43 students was accompanied by 4 teachers and 2 lab assistants.

Participation details

Students	In-house faculty	Faculty outside MH	Total number of participants
B. Sc. Hons. Zoology Semester 6 (43 students)	4	0	43+ 4+2 non-teaching staff = 49



A **field trip to National Zoological Park, New Delhi** was organized as part of the curriculum of paper “Animal Behavior” for the Semester 4 students on 13th February, 2024.

Participation details

Students	In-house faculty	Faculty outside MH	Total number of participants
B. Sc. Hons. Zoology Semester 4 (38 students)	2	0	40 + 2 non-teaching staff = 42



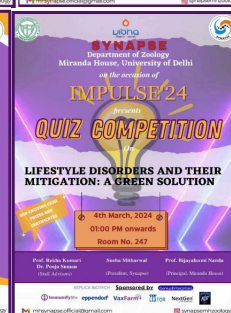
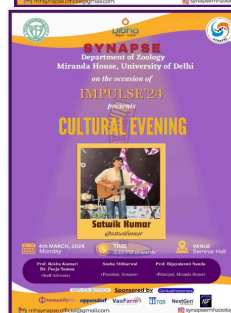
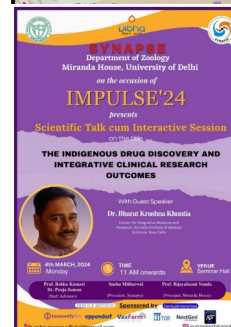
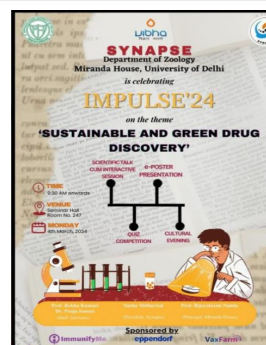


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Part B.3

Any other event organized as part of students' activities (not listed above)

4. On 4th March, 2024 the **Annual Departmental Fest “IMPULSE’24”** was celebrated in which students from various colleges of the university participated. The theme was “Sustainable and Green Drug Discovery” that included scientific talk cum interactive session by Dr. Bharat Krishna Khuntia on “The Indigenous Drug Discovery and Integrative Clinical Research Outcomes” and a lecture by Prof. Rama Jayasunder on “Sustainable and Green drug Discovery”. Also, a cultural program was presented by Mr. Satwik Kumar and a quiz competition was conducted on the topic “Lifestyle disorders and their mitigation: A green solution”.



Participation details:

Students	In-house faculty	Faculty outside MH	Total number of participants
145	11	3	159



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A Fresher's Welcome by B.Sc. (H) Zoology II and III Year Students for students of B.Sc. (H) Zoology First year was held virtually on October 10, 2023. The evening was replete with interactive sessions, games and fun orientation activities.



Participation details:

Students	In-house faculty	Faculty outside MH	Total number of participants
B. Sc. Hons. Zoology Semester 6 (65 students) and Semester 4 (39 students) and Semester 1 (41 students)	11	0	156

On 1st May, 2024, the Farewell themed "Jab We Met" for the batch of 2021 took place Farewell was organized for B.Sc. (H) Final Year by B.Sc. (H) Zoology I and II Year Students.



Participation details:

Students	In-house faculty	Faculty outside MH	Total number of participants
B. Sc. Hons. Zoology Semester 6 (65 students) and Semester	11	0	156



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	4 (39 students) and Semester 1 (41 students)				
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