

# हंसराज महाविद्यालय

दिल्ली विश्वविद्यालय  
महात्मा हंसराज मार्ग,  
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# HANSRAJ COLLEGE

UNIVERSITY OF DELHI  
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## NAAC ACCREDITED 'A++' GRADE COLLEGE

2022-2023

**Name of the Department/Society: Department of Zoology, MHRFDC**

**Name of the Event: Laboratory Safety and Hands-On Training**

**Date of the Event: 23<sup>rd</sup> June 2023**

In scientific learning, laboratories are the real learning environment where students get to see the extension of theoretical knowledge and develop deeper understanding. By doing hands on experiment, student retains a concept taught in class. Thus, Keep and management of these labs is a must for student learning. Laboratory staff is an integral component of these labs, without whom neither the lab will be managed, nor the experiments can be run smoothly. In view of this, a one-day Workshop 'Laboratory Safety and Hands-On Training' was organised for laboratory staff was organized on 23 June 2023 by the Department of Zoology under the aegis of Mahatma Hansraj Faculty Development Centre, A Centre of MOE, Govt. of India under PMMMNMTT Scheme with 18 participants.

Workshop began with welcome address and introductory remarks by workshop coordinators, Dr. Anita Thakur and Dr. Beena Bhandari from Department of Zoology.

Dr. Beena Bhandari introduced the first speaker, Dr. Kaveri Chakrabarty, Associate Professor, Department of Zoology, who talked about the importance of safety measures in undergraduate laboratories and compliance to follow to reduce the risk of injury and exposure, minimize environmental damage and decrease the risk of property loss.

Dr. Anita Thakur introduced the second speaker, Dr. Tejveer Singh, Assistant Professor, Department of Zoology, who along with theoretical concept gave a hands-on training on molecular biology technique: gel electrophoresis. All the participants learnt the principle of electrophoresis and participated in gel making process and loaded DNA in the cast gel by themselves.

Dr. Beena Bhandari introduced the next speaker, Dr Mansi Verma, Assistant Professor, Department of Zoology, who talked about microscopes usage and maintenance, one of the early instruments that is used by students as they enter the lab. She talked about parts of microscope with emphasis on important components responsible for image formation and microscope setting to view the slide and cleaning and maintenance of microscopes. Participants understood the concept and focused the slide under the microscope.

Dr. Mansi Verma, introduced the last speaker of the workshop, Dr. Yasha Yadav, Assistant Professor, Department of Zoology, who talked about the illustrious model

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system, Drosophila and made participants well versed with its long history of being a model organism till date and why. She showed them how it can be easily cultured in laboratory and different phases of its life cycle can be identified and isolated for experiments. Participants appreciated this lecture and under microscope identified its different stages.

Overall, a good and enthusiastic participation was observed from the participants. Feedback for the workshop was also collected. Certificates were distributed at the end of session.

Dr. Anita Thakur gave vote of thanks to resource persons, MHRFDC, and all the participants of the workshop.



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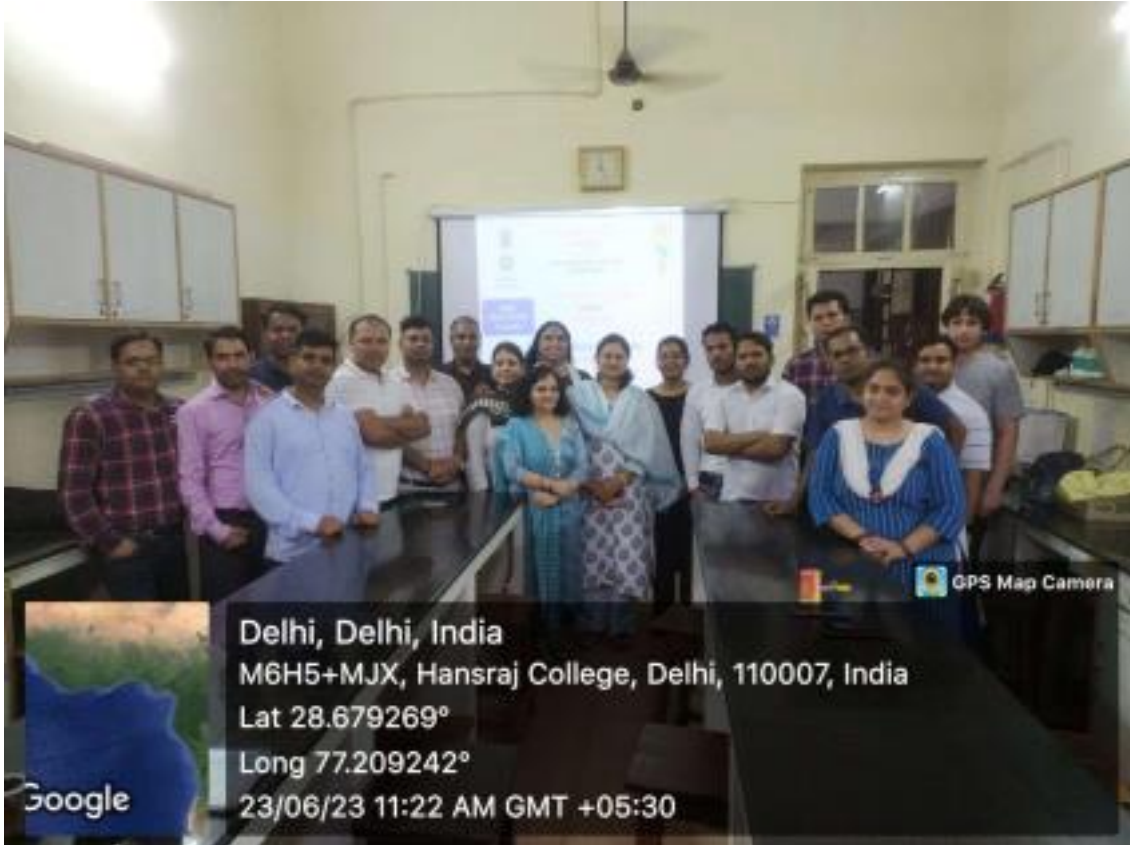
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Attendance Sheet		
SNO.	Name	Name of Department
1	Mr. Bhupesh Thakur	Department of Zoology, Hansraj College, University of Delhi
2	Mrs. Chetna Kapoor	Department of Zoology, Hansraj College, University of Delhi
3	Mr. Anil Kumar	Department of Zoology, Hansraj College, University of Delhi
4	Mr. Zahid Ali	Department of Zoology, Hansraj College, University of Delhi
5	Mr. Santosh	Department of Zoology, Hansraj College, University of Delhi
6	Mr. Rakesh Kumar Pandey	Department of Zoology, Hansraj College, University of Delhi
7	Mr. Saurabh Rana	Department of Zoology, Hansraj College, University of Delhi
8	Mr Chandresh Gautam	Department of Zoology, Hansraj College, University of Delhi
9	Mr. Anil Kumar	Department of Zoology, Hansraj College, University of Delhi
10	Mr. Abhishek Bisht	Department of Zoology, Hansraj College, University of Delhi
11	Mrs Neha Pandey	Department of Zoology, Hansraj College, University of Delhi
12	Mr. Ganesh Ram	Department of Zoology, Hansraj College, University of Delhi
13	Mr Ashwani	Department of Zoology, Hansraj College, University of Delhi
14	Mr. Nitin	Department of Zoology, Hansraj College, University of Delhi
15	Mr. Sonu	Department of Zoology, Hansraj College, University of Delhi
16	Mr. Bharat Kumar Singh Manral	Department of Zoology, Hansraj College, University of Delhi
17	Mr. Sanjay Singh	Department of Zoology, Hansraj College, University of Delhi
18	Mr. Joginder	Department of Zoology, Hansraj College, University of Delhi