

Student-oriented activities are considered an important part of the Zoology curriculum and for the holistic development of students. Therefore, apart from their studies, knowledge about research aspects, hands-on training on different themes, and several online lecture series have been organized by the Zoology department. These programmes would help in the overall development of students and help them successfully apply them in their future endeavors. Additionally, these workshops inspire students to pursue careers in science and research.

1. Title of the Course: Hands on student training workshop

Coordinators: Dr. Madhu and Dr. Sonika

Duration: May 26, 2023 to May 30, 2023

Description: The Drosophila Resource center of Department of Zoology organized a hands on student training workshop under the aegis of IQAC from May 26, 2023 to May 30, 2023. The training was attended by 14 BSc. Life Science II yr students. The students learned the nuisances of maintaining Drosophila stocks. They learned about sexual Dimorphism in Drosophila and identifying the various stages of life cycle. Apart of these students learned about Polytene chromosomes and their preparation from Drosophila larvae. The training ended with DNA isolation and protein profiling in Drosophila which can be useful in other studies. The inaugural session was taken by Dr. Chitra Bhasin (Retd. Associate Professor) of Department of Zoology who had set up this Drosophila Resource center.



2. Title of the Course: Unveiling the Animal World in Behavioural way

Coordinators: Dr. Jyoti Singh, Dr. Neha Niharika

Duration: March-April,2023

Description: Animal Behaviour is the scientific study of the wild and wonderful ways in which animals interact with each other, with other living beings, and with the environment in which they live in. One important aspect pertaining to the studies on Animal Behaviour is that it can be

conducted anywhere and at any time, depending on the interest of the researcher. Moreover, it is not confined to the four walls of the classroom or the laboratory. The behavioural biology has high applied value and currently linked to conservation biology, molecular biology, behavioural ecology and integrated pest management. The chronobiology addresses some periodic and cyclic nature of various life phenomena occurring in living beings in nature. They often correlate with the external environmental factors. Chronopharmacology, chronomedicine and chronotherapy are some of the direct applications of chronobiology in human health.



3. Winter workshop on ‘Academic Writing’

Coordinators: Dr. Sunita K. Yadav, Dr. Jyoti Taneja

Duration: 18th Dec 2022- 15th Jan 2023 (Every Sunday, online mode)

Description: Writing is a skill that can be learnt. Academic writing is a concise, clear, focused, and structured piece of writing that is supported by evidence and has a formal tone and style. Academic writing helps student to convey their understanding, makes them critical thinker, teaches them to be a professional who can write the paper in the best way possible, enhances research skills and there are many more such importance. Hence, winter workshop on academic writing is organized to impart the knowledge to achieve all these objectives. It comprised a number of significant components, including drafting an abstract, a review piece, and a research article. Along with these core ideas, information was provided on plagiarism detection, various internet tools for fixing grammar errors, and the use of symbols in science.

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Why are internships important?

- As an intern, you get a chance to work side by side with accomplished industry professionals. You'll not only gain real work experience, but you'll start to build your own network, from your fellow interns to seasoned leaders.
- Internships provide a chance to figure out what you *don't* want to do. They give you the chance to try a few things out without committing.
- Internships offer you the chance to not just build relevant skills and learn about the field, but to demonstrate those skills and industry acumen on the job.
- Internships can help you figure out what you want to do with your career and then make it easier to land your first full-time job in that industry.

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Participants: Shramana Guichhalt, Sunita Yadav, Khushi Kumbhakar, Neha Pradhan, Kumari Muskan, pooja pahal, ZOO22021 ISHA PATHAK, Madiya Khan, D P, 12 others, You

4. Hands on training in Life Sciences: Tools and Techniques

Course Coordinator: Dr. Jyoti Taneja, **Co-Coordinator:** Dr. Sonika Sharma

Duration: 5 days (From 13.07.22 to 19.07.22)

Description of the course: The aim of the workshop is to provide students with a multi-disciplinary perspective to facilitate their skills in research. The comprehensive course structure encompasses valuable wet lab skills and instrumentation knowledge that will strengthen their conceptual understanding and bridge the gap of online education. The course will expose them to fundamental concepts and basic practical to cover topics spanning life science essential course tools and techniques. Theoretical Knowledge is not complete without practical skills and the practical aspect of the course will help students to work in research labs and understand the basic life science practical experiments exposure to fill the gap in practical knowledge and would be beneficial in their future endeavors (M.Sc./ Research/other higher studies).

