

ZOOLOGY DEPARTMENT

Faculty CV

DR. INDU MEHTA

Associate Professor

Head of the Department

Department of Zoology
GGDSD COLLEGE Chandigarh
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DOB: 16th January, 1971



Educational Qualifications

Ph.D. (Specialization : Immunology)

Department of Immunology, Institute of Microbial Technology (IMTECH), Panjab University Chandigarh, India (1999)

PhD Thesis: "Antigenic targets in malaria infected erythrocytes"

Ph.D. Supervisor: Prof. Grish .C. Varshney

Master of Science (Hons.) Zoology: Department of Zoology, Panjab University, Chandigarh (1992)

Bachelor of Science (Hons.) Zoology: Department of Zoology, Panjab University, Chandigarh (1990).

Teaching/Research Experience

- **Associate Professor** in Department of Zoology, GGDSD College, Chandigarh from 1st February 2022 till date
- **Assistant Professor** in Department of Zoology, GGDSD College, Chandigarh from 2nd July, 2007 to 31st January 2022.
- **Assistant Professor Ad-hoc** in the Department of Zoology, GGDSD College, Chandigarh July 2005 to June 2007. Taught Biodiversity (Non chordates and chordates), Developmental Biology, Medical Zoology and lab technology, Genetics to the undergraduate students.
- **Research Associate** in PGIMER, Sector; 12, Chandigarh

Areas of Interest

- Immunology

Publications

(Journal/Book Chapters)

(Of last 5 years)

Journal Publications:

- **Indu** (2019). Sources of Lead Acetate and its effect on growing chick embryo. *Journal of Emerging Technologies and Innovative Research*, 6(1): 676-681.
- **Indu** (2019). Correlation between development of chick and temperature. *Journal of Emerging Technologies and Innovative Research*, 6(2): 470-473.
- **Indu** (2019). Comparative study of shelf life of canned food. *Journal of Emerging Technologies and Innovative Research*, 6(3):113-116.
- **Indu** (2019). Microbial action on raw meat and its prevention by various kitchen ingredients. *Annals of Biology*, 35(1): 133-135.
- **Indu** (2020). Enhanced orange juice production by enzymatic treatment. *Annals of Agri-Bio Research*, 25(1): 135-138.

Book Chapters:

- Environment, Road Safety Education and violence against women and children. ISBN NO. 978-93-82068-29-7 (Chapter no.11 “Biodiversity”, pp134-142).
- Dr. Indu (2024) published a book chapter entitled, “Plasticulture: how much beneficial” in book : Futuristic Trends in Renewable & Sustainable Energy, Volume 3, May 2024, pp: 1-5. e-ISBN: 978-93-6252-436-2
DOI/Link: <https://www.doi.org/10.58532/V3BDRS1P1CH1>

Seminars/

Conferences/Symposiums

(Paper/poster Presented)

- Presented a **poster** entitled “Changes and innovation in biotechnology ‘Bioplastic’” in DBT- CTEP Biotechnology Popularization Programme organized at MCM DAV College, Sector - 36, Chandigarh on 18th September, 2019.
- Presented a **poster** entitled “Ecofriendly Biomeat” in National Symposium on Biotechnology: Trends and

Innovations organized by GGSD College, Chandigarh on 7th- 8th February; 2020.

- Presented online **poster** in National Webinar on “Environmental Perspective of COVID 19” conducted by Sanatan Dharma College, Ambala Cantt. On 5th June, 2020.
- Presented a **poster** entitled “Adverse effects of Ozone layer depletion” in 5th National Seminar on “Recent advances in Materials science” organized by BOSONS: The Physics Club, Department of physics, GGSD College, Chandigarh on 30th September, 2022.
- Presented a **poster** entitled, “Biodegradable Plastic in Agriculture” in International Seminar on Lab to Field: Need for Translational Research organized by GGSD College, Chandigarh and Indian Science Congress Association Chandigarh Chapter on 9th January, 2024.

Refresher Courses/Workshops/Training Programmes

- Attended a **Short Term Course** on “Gender Sensitization” from 13.12.2019 to 19.12.2019 at HRDC, Panjab University, Chandigarh.

FDP

- Attended Online live FDP on “Presentation Skills” conducted by ICT Academy from 6th May to 11th May, 2020.
- Attended 6-days long INYAS-CUPB Lecture Workshop “Tangled Bank” organized by Indian Young Academy of Sciences and Department of Botany, Central University of Punjab, Bathinda between 31st May and 5th June, 2020.
- Participated in the 7 days National Faculty Development Program on “E-learning and Techno Pedagogy” from 20th July to 26th July, 2020 organized by Indian Teacher Education Community and Guru Teg Bahadur National College, Dakha, District: Ludhiana.
- Attended one week National level FDP on “Transformation in Indian Education through New Education Policy- Challenges and Opportunities” from 5th July, 2021 to 11th July, 2021 organised by Government First Grade College for Women, Balmatta, Mangaluru in association with St Aloysius College (Autonomous), Mangaluru.
- Attended Six- Day Faculty Development Program from 29.08.2022 to 3rd September, 2022 on “Mentoring Institutional Social Responsibility and Facilitation for

Community Engagement” conducted by Mahatma Gandhi National Council of Rural Education (MGNCRE) at UGC-HRDC, Panjab University, Chandigarh.

- Attended NEP2020 Orientation and Sensitization Programme from 1st February to 14th February 2024 under Malaviya Mission Teacher Training Programme of UGC organized by MMTTC , Panjab University, Chandigarh.

Workshops

- Completed the three day Training of Trainers Programme Organized by State Resource Center for Women, Chandigarh Administration on “Substance Abuse: Prevention and Control” from 19th- 21st August; 2019 at U.T. Guest House, Chandigarh.
- Attended Online workshop on “Research Ethics and Quantitative Techniques for Research and Publications” organized by the Library, GGSD College, from 25th April to 30th April, 2020.
- Attended INYAS CUPB Lecture workshop “Tangled Bank” encompassing 15 lectures organized by Indian National Young Academy of Sciences and Department of Botany, Central University of Punjab, Bathinda between 31st May and 3rd June, 2020.
- Attended 1-day online National Workshop entitled “Flipped learning approach-A novel ICT empowered pedagogy for 21st century Learning Needs” organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi on 26th November, 2020.
- Attended the “Training of Master Volunteers” programme organized by Department of Social Welfare, Women and Child development, Chandigarh Administration on 28th March, 2022.
- Attended workshop on “Intellectual Property Rights” sponsored by DBT under Builder Program organized by Resonance Club, Department of Chemistry, GGSD College, Sector: 32; C, Chandigarh on 22nd March, 2023.

Training Programme

- Participated in IP Awareness/Training program under National Intellectual Property Awareness Mission on 26th April, 2022 organized by Intellectual Property Office, India.
- Participated in IP Awareness/Training program under National Intellectual Property Awareness Mission on 10th August, 2022 organized by Intellectual Property Office, India
- Participated in s “Solar Energy Systems Trainers Training Programme” on 23rd August, 2022 at GGSDS College, Chandigarh.
- Participated in IP Awareness/Training program under National Intellectual Property Awareness Mission on 22nd November, 2022 organized by Intellectual Property Office, India
- Participated in IP Awareness/Training program under National Intellectual Property Awareness Mission on 26th April, 2023 organized by Intellectual Property Office, India.
- Participated in IP Awareness/Training program under National Intellectual Property Awareness Mission on 26th April, 2024 organized by Intellectual Property Office, India.

Invited Talks

- Acted as a **Resource person** to deliver a Lecture on “Biodiversity and it’s Conservation” to B.Sc. and B. Tech. first year students on 25th August, 2014 at UIET, Lalru.
- Delivers an **Invited Lecture** on “Biodiversity and its importance” on 24th September, 2022 in a webinar organized at Pt. Mohan Lal S.D. College for Women , Gurdaspur.

Projects

- **Dr. Indu Mehta (Principal Investigator)** completed research project by UGC entitled, “To explore the potential of *Endomycopsis capsularis* for industrial application” for 3 years.
- **Dr. Indu Mehta (Principal Investigator)**, Dr. Parul Dhar and Dr. Preeti Kalia (Co-Investigator) completed Short term research project by DST entitled, “To study the adverse effect of Metsulfuron-Methyl on the Beneficial bacteria and Seed germination” from September 2022 to September 2023.

Administrative Experience

- Sub- Committee Member of Post Graduate Board of Studies in Chemistry (2018-19).
- Coordinator – Environmental Education classes (2013 till date).
- Coordinator Aristotle Club of Zoology Department, GGSDS College, Chandigarh.
- Time table committee (Incharge Science).
- The Editorial Committee: Staff editor of College Annual Magazine “Tyagmurti” (Science section).
- Appointed as member of the Faculty of Dairying, Animal Husbandry and Agriculture from 1.2.2019 to 31.1. 2021.
- Elected as a member of the Undergraduate Board of Studies in Zoology for the term 1.4.2019 to 31.3. 2021.
- Dean, Cultural Affairs (2022-24).
- Dean Student Welfare (2024 onwards)

Dr. Indu Mehta

