

DR. PREETI KALIA

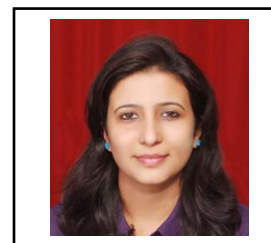
Assistant Professor

Department of Zoology
GGDSD COLLEGE Chandigarh
India -160030

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DOB: 19th March, 1984



Educational Qualifications

● Ph.D.in Zoology

Department of Zoology, Panjab University Chandigarh, India (2015) PhD Thesis: Studies on the antibacterial properties of honey bee Propolis using *Salmonella typhimurium*.

Ph.D. Supervisors : Prof. Neelima R Kumar and Prof. Kusum Harjai.

DST – INSPIRE fellow (2010-2015)

- **Master of Business Administration** (MBA-HR), Sikkim Manipal University (2008-2010).
- **Bachelor of Education** (B.Ed.), Dev Samaj College of Education, Sec- 36, Chandigarh (2007-2008).
- **Master of Science (Hons.) Zoology (Gold Medalist):** Department of Zoology, Panjab University, Chandigarh (2005-2007).
- **Bachelor of Science (Medical):** Goswami Ganesh Dutta Sanatan Dharma College, Chandigarh (2002-2005).

Teaching/Research Experience

- 9th September, 2021 till date
Assistant Professor in the Department of Zoology, GGDSD College, Chandigarh.
- 15th July, 2016 – 30th April, 2020
Assistant Professor in the Department of Zoology, GGDSD College, Chandigarh.

Taught Biodiversity (Non chordates and chordates), Physiology and Biochemistry, Developmental Biology, Medical Zoology and Medical lab technology, Genetics to undergraduate students.

- July, 2010 to July, 2015

DST INSPIRE Junior/Senior Research Fellow in
Department of Zoology, Panjab University, Chandigarh.

Online Course

- Completed an online non credit course “Understanding the Brain: Neurobiology of Everyday life” by University of Chicago through Coursera (2020).
- Completed an online non credit course “Psychological First Aid” by Johns Hopkins University through Coursera (2021).
- Completed an online non credit course “Ecology: Ecosystem Dynamics and Conservation” by American Museum of Natural History, Howard Hughes Medical Institute through Coursera (2021).
- Completed an online non credit course “SARS-CoV-2 and acute respiratory viral infections” by Saint Petersburg State University through Coursera (2021).

Areas of Interest

- Applied Entomology

Publications

(Journal/Book Chapters)
(Of last 5 years)

Journal Publications:

- **Kalia, P.**, Kumar, N. R. and Harjai, K. (2020). Preventive effect of honey bee propolis on *Salmonella enterica* serovar Typhimurium infected BALB/c mice: A hematological study. Research Journal of Pharmacy and Technology, 13(7):3389-3393.
- Nikita, Assem Grover, **Preeti Kalia**, Reshma Sinha, Pratibha Garg. (2022). Colony Collapse Disorder: A peril to Apiculture. Journal of Applied and Natural Science. 14(3): 729-739.

Conference proceedings:

- **Kalia, P.** (2022). “Multidrug Resistance in *Salmonella*: A bane for Sustainable Development” in Conference Proceedings of International Multidisciplinary Conference pp: 43-46, held on 30th December 2022 at GGSD College, Chandigarh.

Book Chapters:

- **Kalia, P.**, Kumar, N. R. and Harjai, K. (2020). Prophylactic effect of Propolis on *Salmonella* infected murine model. Book: Advancements in BioSciences, pp: 35-46.

- **Kalia, P.** and Dhar, P (2022) entitled “A holistic approach towards healthy life: Apitherapy” in Advances in Academic Research and Development. Integrated Publications, New Delhi. Vol 8, pp-101-112.
- **Kalia, P.** (2024) entitled, “Biological sources as an ingenious renewable” Futuristic Trends in Renewable & Sustainable Energy, Volume 3, May 2024, pp: 252-258. eISBN: 978-93-6252-921-3. DOI/Link: <https://www.doi.org/10.58532/V3BARS6P7CH3>.
- **Kalia, P.** (2024). Role of Minor pollinators in conserving biodiversity. In proceeding of National Conference on Innovations and Advances in Science at Maharaja Agrasen University, Baddi in book entitled Dynamics of Biological Systems in Changing Environments”, pp: 65- 73
- Sharma, R., Thakur, Y., Sinha, R. and **Kalia, P.** (2024). Wasps as Nature’s Pollinators- A closer look at their ecological contributions. In book: Insect Pollinators Diversity published by Bharti Publication. pp: 10-99.

**Seminars/
Conferences/Symposiums
(Paper Presented)**

- Poster presentation and got **SECOND prize** in IAMBSSCON 2019 at PGI, Sector- 12, Chandigarh on 19th October 2019 on topic “Comparison of Mono and Combination Therapy for the treatment of *Salmonella* infected Balb/C mice”.
- Poster presentation and got **SECOND prize** in National Conference on “Innovations in Bioscience and Technology” on 7th March, 2020 at Multani Mal Modi College, Patiala on topic “Prophylactic effect of Propolis on *Salmonella* infected murine model”.
- Presented poster in National Webinar on “Environmental Perspective of COVID 19” conducted by Sanatan Dharma College, Ambala Cantt. On 5th June, 2020.
- Poster presentation and got **SECOND prize** in International Seminar on Lab to Field: Need for Translational Research organized by GGSDS College, Chandigarh and Indian Science Congress Association Chandigarh Chapter on 9th January, 2024 on topic, “Therapeutic potential of honey bee products in combating Antimicrobial Resistance”.
- Oral presentation and got **FIRST prize** in National Conference on Innovations and Advances in Science at Maharaja Agrasen University, Baddi on 9th and 10th May, 2024 on topic, “ Role of Minor pollinators in conserving biodiversity”.

**Refresher
Courses/Workshops/Training
Programmes**

FDP

- Attended FDP/ One week short course on “Blockchain Technology” by Electronics & ICT Academy, IIT Roorkee

- at GGSDS College from 20th Jan; 2020 to 24th Jan; 2020.
- Attended 7 days FDP on “E- Learning and Techno Pedagogy” by Indian Teacher Education Community and Guru Tegh Bahadur National College, Dakha, Ludhiana from 20th July, 2020 to 26th July, 2020.
- Attended International level FDP titled “Innovative Approaches For Outcome Based Teaching Learning In Higher Education” organized by Ajeenkya D Y Patil University, School of Liberal Arts and Research Culture Society on 21st February to 27th February, 2022.
- Attended 5 days FDP on “Innovations in water treatment and sustainable infrastructure” by Chandigarh Engineering College, Jhanjeri, Mohali on 29th May to 2nd June, 2023.
- Attended NEP2020 Orientation and Sensitization Programme from 16th January to 26th January, 2024 under Malaviya Mission Teacher Training Programme of UGC organized by MMTTC , Panjab University, Chandigarh.

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 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.

Projects

- Dr. Indu Mehta (PI), 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

- Co-Coordinator Aristotle Club of Zoology Department, GGSDS College, Chandigarh
- Member Green Campus Committee (2022-23, 2023-24, 2024-25).

**Membership of Science
Associations**

- Life Membership of Punjab Academy of Sciences, Patiala.
- Life Membership of Indian Science Congress Association, Kolkata.

Dr. Preeti Kalia