



Miranda House

UNIVERSITY OF DELHI

Name: Dr. Pooja Suman

Department: Zoology

Current Designation: Assistant Professor

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Academic Qualifications (reverse chronological order):

- Qualified UGC-CSIR NET (Lectureship)
- M.Sc. Zoology from Department of Zoology Annamalai University.
- M.Sc. (Agrochemicals and Pest Management) Dept. of Agrochemicals and Pest management University of Delhi.
- B.Sc. (Gen) Gp.B Maitreyi College, University of Delhi.

Research Degree(s) (reverse chronological order):

- Awarded Post-Doctorate fellowship from UGC on 2008-2009.
- Awarded Rajiv Gandhi National Fellowship, April 2005
- Ph.D from Environmental Toxicology Lab, Department of Zoology, University of Delhi.
THESIS TITLE "Pesticide Residue Analysis on Different Matrices: Estimation of Uncertainty and Variability"

Field of Specialization under the Subject/Discipline: Entomology and Toxicology

Total Teaching Experience: 15

Teaching at Miranda House since: 2011

List of Publications (reverse chronological order):

(Articles in referred/peer-reviewed/UGC Care journals/ Books/Book Chapters)

- UGC Care Listed- *Drosophila melanogaster* "a potential model organism" for evaluating the phytochemical effects of medicinal plants. JOURNAL OF ENVIRONMENT AND BIO SCIENCES 2024 Accepted Accepted ISSN :0973- 6913
- UGC Care Listed Assessing Cocoon Production by Earthworm in Response to Soil Pesticide Contamination Current Agriculture Research Journal 2024 12 (2) 836-843 ISSN: 2347- 4688
- UGC Care Listed UNCERTAINTY ANALYSIS OF MULTI RESIDUE METHODS FOR PESTICIDES IN LETTUCE International Journal of Biological Innovations 2023 5 (1) 63-73 E-ISSN: 2582- 1032



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- UGC Care Listed Double Steps Processing of Various Food Samples under Different Temperature Conditions for the Estimation of Uncertainty and the Stability of the Pesticides in Multiresidue Analysis Followed Gas Chromatography with Electron Capture Detection Journal of Environment and Bio-Sciences 2022 Vol. 36(2) 153-159 ISSN 0973- 6913 / eISSN 0976-3384.
- SCI Estimating the uncertainty of pesticide residue analysis from mango using multiresidue analysis and validation of method Toxicological & Environmental Chemistry 2011 93:10 1880- 1896 ISSN 0277– 2248 print/ISSN 1029– 0486 online.

Educational Resource Material Developed (reverse chronological order):

- E- Museum Development for Department of Zoology, Miranda House under DBT star college scheme.
- The syllabus for DSE 11 paper Toxicology as per UGCF 2022 based on NEP 2020 guidelines.

Research Guidance (reverse chronological order): No

Research Projects (reverse chronological order):

- Principal Investigator of Project titled: Evaluating the toxicity of Ashwagandha (*Withania somnifera*) on the gut microbiota of *Drosophila melanogaster*, from R&D Cell, Miranda House.

Membership Of Professional Bodies (reverse chronological order): No

Administrative Responsibilities (reverse chronological order):

- Staff Advisor for the Department of Zoology, Miranda House.
- Worked on Annual Report for the NAAC, Department of Zoology, Miranda House
- Organized many Educational trips for students as part of their curriculum for Department of Zoology, Miranda House.
- Paper setting (Non-Chordates) B.Sc (H) Zoology. Sem-II LOCF (May-June 2023).
- Paper setting (General Entomology) B.Sc (P) Applied life Sciences. Sem-V LOCF (Nov-Dec 2023).
- Paper setting (Diversity of Chordates) B.Sc (H) Zoology. Sem-III UGCF (Nov-Dec 2023).
- Paper setting for course B.El.Ed Second year Biology-I paper. (May-June 2022).
- Paper setting for course B.Sc. (Hons) Zoology II year erstwhile FYUP IV semester



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Comparative Anatomy of Vertebrate Paper (2019-20).

Invited talks/Session chair/Resource person (reverse chronological order):

- Session coordinator and resource person Inspire Internship Program 2024, Innovation in Science for Inspired Research, DST, Govt of India (2024)
- Session coordinator and resource person Capacity Building Training Program on Model Organism
- Resource Person (2024)
- Bridge Course Laboratory Instrumentation: Principle, usage and applications A course on basic lab instruments and techniques (2015-24)
- Resource person and co-coordinator for Bridge course on Laboratory Instrumentation for
- B.Sc. (H) Zoology 1st year students organized by Department of Zoology and DSKC, Miranda House, from 2017-2024.
- Coordinator and Organizer for Baseline Test – Biology Component, D.S. Kothari Central Inter-disciplinary Research Facility (DSKC) Miranda House from 2017-2024.

Conferences Organised (reverse chronological order):

- Co-coordinated FDP on Unveiling Apiculture: Exploring the Art and Science of Beekeeping Methods and Applications (2023)

Seminars/Workshops/Conferences attended (reverse chronological order):

- Participated in the two week Online training programme on “NEP 2020 Orientation & Sanitization Programme” organized by Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi on 15-28 January, 2024.
- Participated in the Two - Week Inter-disciplinary Refresher Course in “ENVIRONMENTAL SCIENCE” from 29th August – 12th September, 2023 from Ramanujan College, University of Delhi. □
- Participated in two day international online symposium “Reproductive Health and Physical fitness” organized by Deen Dayal Upadhyaya College, University of Delhi, India, September 28-29, 2021.
- Attended Webinar on “How to read Scientific Literature?” by Department of Zoology, Cotton University and IISER Pune, July 6, 2020.
- Attended National Webinar conducted by High Altitude Regional Centre, Zoological Survey of India, SOLAN (HP) on 16.09.2020.
- Attended webinar on ‘Entomology in Criminal Investigations’ by Dr. Dharendra Singh Yadav,



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Scientific Officer, Central Forensic Science Laboratory, Directorate of Forensic Science Services, Ministry of Home affairs, Government of India, Bhopal. Saturday, Aug 22, 2020.

- Participated in Conclave on Biodiversity for Everyone's Life organized jointly by Miranda House and Institute of Bioresources and Sustainable Development (IBSD), Manipur held on 31 August, 2018 at Miranda House.
- Worked as a Member of Organizing Committee in the workshop "Labour and Employment Issues in North East India" under ISBD Miranda House Centre for North East Studies on 18th April 2017, Miranda House, University of Delhi.
- Worked as a Member of Organizing Committee for the "Women Health and Cancer Awareness Workshop" at Miranda House and Delhi University Women's Association, University of Delhi April 7, 2017 under the aegis of DBT Star College Scheme (MH) and Asia Oceania research organization for Genital Infections and Neoplasia - India (AOGIN-India) and Association of Obstetricians and Gynecologists of Delhi (AOGD).
- Worked as a Member of Organizing Committee in the DBT sponsored workshop "An Insight into Zebrafish Development" for undergraduate students, from 2017-19 organized by Department of Zoology and D.S. Kothari Centre for Research and Innovation in Science Education, Miranda House, and University of Delhi.
- Worked as a Member of Organizing Committee in two days symposium on Art of Grant Writing, from 5th January to 6th January 2017 organized by Department of Zoology and D.S. Kothari Centre for Research and Innovation in Science Education, Miranda House, and University of Delhi.
- Worked as member of organizing committee for workshop on "Bioinformatics and Biostatistics: An Introduction", for undergraduate science teachers, held on 25th February 2016 organized under DBT Star College Scheme at Department of Zoology, Miranda House University of Delhi.
- Worked as member of organizing committee for workshop on "DNA Fingerprinting" held on 22nd January, 2016 at Hindu College University of Delhi.
- "Training the Trainer: IPR workshop", held on January 15, 2016 at Department of Zoology, Miranda House University of Delhi.
- Worked as member of organizing committee for workshop on "Eco-friendly Dyeing and Finishing of Textiles" held on 6th October 2015 at Department of Zoology Miranda House, University of Delhi.
- Lecture workshop series on "Brainwave: Inspiring young minds" conducted under the education programme of the three Science Academies- Indian National Science Academy, New Delhi, The National Academy of Sciences, India, Allahabad and Indian Of Academy of Sciences, Bangalore, held at Sri Guru Tech Bahadur Khalsa College, University of Delhi, Delhi, on 17-18 March 2011.



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- National Seminar on “Role of Analytical Techniques in Biological and environmental Sciences”, Kirori Mal College, Indian Society of Analytical Scientists and Petrotech Society of India, held at University of Delhi, Delhi, on 27-29 January 2011.
- National conference on “Showcasing Edge Science and Technology by Women”, Ministry of Science and Technology, Government of India, held at Vigyan Bhavan, New Delhi, on 8-9 March 2008.

Synergy (work with other organizations outside the college): No