

DR. YASHA YADAV
Assistant Professor, Department of Zoology, Miranda House
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EDUCATIONAL QUALIFICATION:

Ph.D- Zoology (Environment toxicology and animal physiology), MDU, Rohtak, awarded 2019

M.Sc Zoology, 2011-13, Department of Zoology, University of Delhi

B.Sc (Hons.) Zoology, 2008-11, Miranda House, University of Delhi

OTHER QUALIFICATIONS

Bachelor of Education (2014) – Maharshi Dayanand University, Rohtak

ACADEMIC ACHIEVEMENTS: `

1. **CSIR -UGC JRF**- Qualified
2. **CSIR-UGC NET** (lecturer ship) qualified)
3. **Chandra Sathiraju medal** – Best student of B.Sc. (Honors) Zoology 2nd year securing the highest marks in the Bio-Chemistry paper.
4. **Saroj Kesar Meritorious Award**- for securing the highest marks in Physiology and Functional Histology B.Sc. (Honors) Zoology 3rd year.
5. Qualified **GATE 2013** Life Sciences.
6. CTET Qualified
7. HTET Qualified

TEACHING EXPERIENCE

Currently teaching as Ad hoc Assistant Professor in Miranda House College, University of Delhi (since 20 July, 2017)

OTHER WORK EXPERIENCE/ADMINISTRATIVE WORK

- Worked as Technical Assistant Grade III in Food corporation of India
- Advisor Member, NSS Miranda House
- **Member, Unnat Bharat Abhiyan Cell**, Miranda House
- **Staff advisor**, Synapse, The Zoology Society, Miranda House (Since 2019)

INTERNSHIP AND PROJECTS MENTORED

- Mentored an IQAC, Miranda House and *Synapse* project titled “**Study of Life cycle of fruit fly through fly trap method**” at Department of Zoology, Miranda House, University of Delhi.
- Mentored a **DBT Star College Student Project on Profiling Dietary Effects on *Drosophila melanogaster* behaviour and development** at Miranda House, University of Delhi from January – April 2020.
- Mentored Summer internship (June 2019) on ***Drosophila melanogaster* culture and Genetic crosses** at Miranda House, University of Delhi.
- Mentored Summer internship (June 2020) on science communication and review writing on “**New Frontiers in *Drosophila* research**”.
- Mentored INSPIRE internship at Miranda House, University of Delhi, December 2017.

FDPs, SEMINARS AND CONFERENCES

- Completed **Two Weeks Faculty Development Programme On "Advanced Concepts for Developing Moocs"** From July 02 - July 17, 2020 by Teaching-learning centre, Ramanujan College, University of Delhi
- Completed the online national **one-week faculty training program on “Pedagogical training for effective online teaching and learning”** organized by Deen Dayal Upadhyay College, University of Delhi and K.T.H.M College, Nashik, 3-10 August 2020.
- Member, Organizing committee, Online international conference on Science and Society under the aegis of IQAC, Miranda House, 23-25 February, 2022.
- **Organizing Secretary**, Dragonfly Festival, Lecture cum Workshop for Undergraduate Science Students, Department of Zoology, Miranda House, University of Delhi on 28 August 2019.
- **Organizing Secretary**, Science Communication and Career Workshop for Undergraduate Science Students, Department of Zoology, Miranda House, University of Delhi on 9 September 2019.
- International Conference on Emerging Areas of Environment Science and Engineering (EAESE-2017)- **Oral presentation** on effect of aluminium phosphide and dichlorvos on earthworm reproduction.
- UGC sponsored National Seminar on “Biodiversity: Status and Significance” organized by Dept. of Botany, MDU, Rohtak- **poster presentation** titled “Seema Karuvelum (*Prosopis juliflora*): Biological invasion
- National Seminar cum Workshop on Animal Ethics and Experimentation, organized by Central Animal House, MDU, rohtak.
- **Resource person** in Bridge course on “Laboratory instrumentation: Principle, usage and applications” organized by Dept. of Zoology, Miranda house college in year 2017, 2018 and 2019, 2020, 2021.
- DBT star college scheme workshop on “Understanding our environment: Human interference” August 18, 2017 at Delhi university

- DBT star college scheme sponsored workshop on “Immunoinformatics and Rational Vaccine design”, Sept 18- 22, 2017 at Delhi University.
- DS Kothari centre for research and innovation in science education and BIRAC workshop on Catalyzing a cultural shift in youth entrepreneurship.

RESEARCH SKILLS

- FTIR, UV and NMR
- Biochemical assays- Carbohydrate, Protein, Lipid and Lipid Peroxidation Analysis.
- Vermiculture, Vermicomposting, Production of Vermiwash
- Taxonomy of Oligochaeta
- Probit Analysis
- Dissection and Histopathological analysis (Microtomy)
- Statistical Tools such as ANOVA, Post hoc T tests
- *Drosophila melanogaster* culture and behavioral assays like climbing assay, larval movement assay, etc.

PAPERS/BOOK CHAPTERS PUBLISHED

- Yadav, Y. Shukla, V. 2020. Histopathological Effects of Sublethal Dose of Dichlorvos on Nerve Cord and Chloragogen Tissue of *Eisenia fetida*. *Bulletin of Pure and Applied Sciences- Zoology*. Vol. 39 A (1).
- Yadav, Y. Shukla, V. 2019. Detrimental effects of aluminium phosphide powder residue. *J.Env. & Bio Sci*. Vol. 33(1): 83-84.
- Yadav, Y. Deswal, P. Shukla, V. 2019. Effect of Aluminium phosphide powder residue on Earthworm *Eisenia fetida*. *Int. J. Res & Anal. Rev*. Vol. 6(2): 779-783.
- Deswal, P. Yadav, Y. Khushbu. Shukla, V. 2020. Evaluation of antioxidant activity of *Eisenia fetida*. *Int. J. Bio. Innov.* 2 (2): 109-116.
- Book Chapter- Yadav, Y. and Shukla, V. 2020. Role of Earthworms in soil ecotoxicological studies. Trends in technology, agriculture, food, environment and health. 433-442.
- Book Chapter - Deswal, P. Yadav, Y. Kumari, T. and Shukla, V. 2020. Toxicology. Emerging trends in environmental science. 168-173

EXTRA CURRICULAR

Scientific illustrations and Digital art and Painting

Drew a painting on theme Biodiversity for everyone’s life which was chosen as Poster highlight for Biodiversity conclave in Miranda House in association with IBSD, Manipur on 31 August 2018.

Currently working on a project for digitizing the zoology museum at Department of Zoology, Miranda House. Contributed several digital drawings for the project.

Contributed digital paintings for the Departmental Magazine, *Evolvere*, Miranda House.