

Prof. Vinay Malik

Department of Zoology
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RESEARCH AREAS

Molecular Cytogenetics and Biodiversity.

EDUCATIONAL QUALIFICATIONS

- **Ph.D.** Department of Zoology, M. D. U., Rohtak, Haryana
- **M.Sc. (Zoology)**, Maharshi Dayanand University, Rohtak, Haryana
- **B.Sc.** (Botany, Chemistry, Zoology), M. D. U., Rohtak, Haryana

ACADEMIC EXPERIENCE

- **Professor** : Department of Zoology, Maharshi Dayanand University, Rohtak -India (23rd August, 2021 onwards)
- **Associate Professor:** Department of Zoology, Maharshi Dayanand University, Rohtak -India (23rd August, 2018 to 22nd August 2021)
- **Assistant Professor:** Department of Zoology, Maharshi Dayanand University, Rohtak -India (07th May, 2012 to 22nd August 2018)
- **Assistant Professor:** Department of Zoology, Govt. College Haryana (Jhajjar & Rohtak) From 23rd August 2004 to 07th May, 2012.

RESEARCH GUIDANCE

Ph. D. Supervision: Awarded – 2 Registered – 4

M. Sc. Supervision: 59 (Dissertations)

RESEARCH PROJECTS

1. Completed Minor Research Project (UGC): Genotoxic effect of a neonicotinoid and a synthetic pyrethroid insecticide in mice (F. No. 8-2(137)/2011).
2. Completed Minor Research Project under Dr. Radha Krishanan Foundation Fund: “Antibacterial activity of imidacloprid- an insecticide by agar well method” (F. No.DSW/14/363).

MEMBERSHIP OF LEARNED SOCIETIES/ACADEMIC BODIES

- Indian Science Congress Association
- Association of Microbiologists of India

OTHER ASSIGNMENTS

- Member, *Executive Council*, M.D. University, Rohtak (Aug. 6, 2019- Aug. 5, 2021)
- Member, *Academic Council*, M.D. University, Rohtak
- Scientist Incharge, Central Animal House, M.D. University, Rohtak
- Member, Faculty of Life Sciences, M.D. University, Rohtak
- Member, PGBOS, Zoology, M.D. University, Rohtak
- Member, UGBOS, Zoology, M.D. University, Rohtak
- Departmental Coordinator of CCPC
- Member of other various administrative and academic committees.
- Organized various Seminars, Symposia etc.

LIST OF MAJOR PUBLICATIONS

- 1) **Vinay Malik**, Jagjeet Singh, Amit Kumar and Vijay Kumar. (2021) Protective effect of coenzyme Q10 nanoparticles against monocrotophos induced oxidative stress in kidney tissues of rats. *Biologia*, 76, 1849-1857. <https://doi.org/10.1007/s11756-021-00732-x>.
- 2) S. Dahiya, A. Kumar, **Vinay Malik**, V. Kumar, Bijender Singh. (2021) Biochemical characterization and enhanced production of endoxylanase from thermophilic mould *Myceliophthora thermophila*. *Bioprocess and Biosystems Engineering*, 44, 1539-1555. <https://doi.org/10.1007/s00449-021-02539-1>.
- 3) Jagjeet Singh, Santosh Hooda, Annu, **Vinay Malik**. (2021) Avian Diversity and Habitat Use of Sultanpur National Park, Haryana, India. *Asian Journal of Conservation Biology* 10 (1), 124-133. ISSN: 2278-7666.
- 4) Vandana Singh; K. Kumar; D. Purohit; R. Verma; P. Pandey; S. Bhatia; **Vinay Malik**; et al. (2021) Exploration of therapeutic applicability and different signaling mechanism of various phytopharmacological agents for treatment of breast cancer. *Biomedicine & Pharmacotherapy*, Vol. 139,1-19. <https://doi.org/10.1016/j.biopha.2021.111584>.
- 5) Shankar A., Kumar V., Kaushik N.K., Kumar A, **Malik V.**, Singh D. and Singh B. (2020). *Sporotrichum thermophile* culture extract-mediated greener synthesis of silver nanoparticles: Eco-friendly functional group transformation and antibacterial study. *Current Research in Green and Sustainable Chemistry*. Vol 3: 1-8.
- 6) Vivek Goyal, Vijay Singh, Jagjeet Singh and **Vinay Malik**. (2020). First record of *Oxyopes kohaensis* Bodkhe & Vankhede, 2012 from Haryana, India. *Annals of Agri Bio Research*. 25 (2): 244-246, ISSN 0970-9660.

- 7) Singh J., S Antil, V. Goyal and **Malik V. (2020)**. Avifaunal Diversity in Tilyar Lake, Rohtak, Haryana, India. *Journal of Threatened Taxa*, 12 (8): 15909–15915 ISSN 0974-7907 (Online) | ISSN 0974-7893 (Print)
- 8) Vivek Goyal and Vinay Malik **(2020)** A New Species of Genus *Oxyopes* from Haryana, India. *Journal of Environment and Bio-Sciences*, 34 (1): 21-22. ISSN 0973-6913.
- 9) Sandeep Lohmor, Ravinder Verma, Vinay Malik, Deepak Kaushik **(2020)** Current status of Regulatory perspectives on Stem Cell Therapy in India. *Chemical Biology Letters*, 7(3), 176-182. ISSN 2347-9825.
- 10) Suman Devi, Jagjeet Singh, Vijay Kumar and **Vinay Malik (2019)**. Monocrotophos induced biochemical and histopathological alterations in kidney tissue of mice. *Chemical Biology Letters*, 6(2) 39-45. ISSN 2347-9825.
- 11) Singh J., Shweta, Annu and **Malik V. (2019)**. Diversity and status of avifauna in Bhindawas Bird Sanctuary, Haryana, India. *Annals of Biology*, 35 (2) 280-284. ISSN: 0970-0153.
- 12) Singh J., Priyanka, Annu and **Malik V. (2019)**. Diversity indices of birds of Tilyar Lake, Rohtak (Haryana). *Life Science Bulletin*, 16 (1): 19-22. ISSN 0973-5453.
- 13) D. Suman, J. Singh, Jyoti, V Kumar and **Malik V. (2018)**. Monocrotophos induced histopathological changes in intestine of mice. *Life Science Bulletin*, 15 (2): 145-149. ISSN 0973-5453.
- 14) **Malik V.**, Ajita, V. Goyal and P. Dalal. **(2018)**. Avian fauna of Maharshi Dayanand University Campus, Rohtak, Haryana. *Journal of Environment and Bio-Sciences*, 32 (1): 99-103. ISSN 0973-6913.
- 15) Singh J., Nupur, Goyal V., Dalal P. and **Malik V. (2018)**. Avifaunal diversity in the Deer Park of Hauz Khas, New Delhi. *ESSENCE – International Journal for Environmental Rehabilitation and Conservation*, IX (1): 34-37. ISSN 095-6272.
- 16) Singh V. and **Malik V. (2018)**. The tribe Coccinellini (Coleoptera: Coccinellidae) from Haryana, India. *Journal of Experimental Zoology India*. 21(1) 69-75. ISSN 0972-0030.
- 17) Goyal V. and **Malik V. (2018)**. First record of *Hersilia orvakalensis* (Araneae, Hersiliidae) from Haryana, India. *Journal of Experimental Zoology India*. 21(1) 89-92. ISSN 0972-0030.
- 18) Goyal V. and **Malik V. (2017)**. The first record of the redback spider *Latrodectus hasselti* Thorell (Araneae: Theridiidae) from Haryana, North India. *Journal of Environment and Bio-Sciences*, 31 (2):441-442. ISSN 0973-6913.
- 19) **Malik V.** and Goyal V. **(2017)** Biodiversity of Spiders in different habitats of Western Haryana. *Journal of Entomology and Zoology Studies*, 5(4): 822-825. ISSN: 2320-7078.
- 20) Singh V., Goyal V., Devi S., Hooda S. and **Malik V. (2016)** Polymorphism of *Cheilomenes sexmaculata* (Fabricius) (Coleoptera: Coccinellidae) in Haryana, India. *Journal of Entomology and Zoology Studies*, 4 (5): 548-551. ISSN: 2320-7078.
- 21) Goyal V., Singh V., Dalal P. and **Malik V. (2016)** Diversity indices of passerine birds of District Sirsa, Haryana, India. *Journal of Environment and Bio-Sciences*, 30 (1):117-122. ISSN 0973-6913.

- 22) Kataria S.K., Chhillar A.K., Kumar A., Tomar M. and **Malik V. (2016)** Cytogenetic and hematological alterations induced by acute oral exposure of imidacloprid in female mice. *Drug and Chemical Toxicology*, 39(1): 59-65. ISSN: 0148-0545.
- 23) Devi S., Goyal V., Singh V. and **Malik V. (2015)** Histopathology: a basic diagnostic tool for tissues. *Proceedings of Innovative Research in Life Sciences*. 118-122. ISBN: 978-81-920945-5-7.
- 24) Dhankar S, Dhankar S, Ruhil S, Balhara M, **Malik V**, Chhillar AK **(2014)** Isolation and biological evaluation of novel tetracosahexne hexamethyl, an acyclic triterpenoids derivatives and antioxidant from *Justicia adhatoda*.. *Combinatorial Chemistry & High Throughput Screening*, 17(8):723-732. ISSN-1386-2073.
- 25) Dalal P., **Malik V.**, Chaudhry D. and Shukla V **(2014)** Concentration of Benzene, Toluene and Xylene (BTX) in Ambient air of Rohtak city, India. *Environment Conservation Journal* 15(1 & 2)83-87, 2014, ISSN 0972-3099.
- 26) Dalal P., **Malik V.**, Chaudhry D. and Shukla V **(2014)**, Association of ambient air quality with resident's lung function in Rohtak city, India. *Journal of Environment and Bio-Sciences* 28 (1):51-55, ISSN 0973-6913.
- 27) Dalal P., **Malik V.**, Chaudhry D. and Shukla V. **(2014)** Poly-Cyclic Aromatic Hydrocarbons (Pah) in the Ambient air of Rohtak city, India. *Journal of Environment and Bio-Sciences*. 28(1): 101-104. ISSN 0973-6913.
- 28) Goyal V., Singh V., Dalal P. and **Malik V. (2014)** Diversity of Migratory Birds in Ottu Lake, Sirsa, Haryana, India. *Journal of Experimental Zoology India*. 17(2) 507-512. ISSN 0972-0030.
- 29) Kumar A., Sharma K., Tomar M., **Malik V.** and Kataria S. K. **(2013)** Determination of Mutagenic Potential of Imidacloprid in *Salmonella Typhimurium*–TA 98 and TA 100 Following Bacterial Reverse Mutation Assay. *International Journal of Biotechnology and Bioengineering Research*. 4(7): 703-710. ISSN 2231-1238.

BOOK

- 1) **Malik V.** and Goyal V. **(2018)**. Common Birds of Haryana. Intellectual Foundation (India), Rohtak (ISBN 978-93-81818-50-3).

BOOK CHAPTERS

- 1) **Vinay Malik**, Vijay Singh, Santosh Hooda, Annu Phogat & Jagjeet Singh **(2021)**. Role of Coccinellids in biological control. *Advances in Agricultural Entomology* (Vol. 14). (ISBN: 978-93-91538-37-8).
- 2) **Malik V.**, Singh J., Chhikara S. & Singh D. **(2018)**. Pesticides: application and pattern in Haryana. *Applied Entomology and Zoology*, (Vol. 4) 1-23. (ISBN: 978-93-5335-135-9).

PROCEEDINGS

- 1) Shukla V. et al & **Malik V. (2013)** Proc. National Seminar on “Promising trends in Science Galaxy”. (978-81-920945-3-3).
- 2) Shukla V. et al & **Malik V. (2014)** Proc. National Seminar on “Next Generation Sciences: Vision 2020 and Beyond”. (978-81-920945-4-0).
- 3) Shukla V. et al & **Malik V. (2015)** Proc. National Seminar on “Innovative Researches in Life Science”. (978-81-920945-5-7).