

Dr. Muhammad Shakeel

Lecturer | Entomologist | Honeybee & Pollinator Researcher | Pest Management Specialist

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Professional Summary

Ph.D. Entomologist with extensive academic and research experience in pollinator ecology, honeybee biology, and pest management. Demonstrated expertise in applied entomology, insect behavior, and sustainable pest control techniques. Strong background in experimental design, scientific writing, and supervision of postgraduate research. Dedicated to advancing pollinator health and crop productivity through innovative research and teaching.

Key Skills

- Pollinator Ecology and Honeybee Research
- Integrated Pest Management (IPM)
- Insect Taxonomy and Systematics
- Experimental Design and Data Analysis
- Scientific Writing and Publication
- Molecular and Field Research Techniques
- Teaching and Student Supervision
- Research Project Management

Personal Information

Father Name: Jehangir Khan

Date of Birth: 25 December 1985

N.I.C. No.: 17301-7018106-7

Religion: Islam

Nationality: Pakistani

Domicile: Khyber Pakhtunkhwa

Postal Address: Lalazar Colony, House No. B-3 University Campus, Peshawar, Khyber Pakhtunkhwa, Pakistan

Academic Qualifications

Ph.D. (Agri. Entomology) The University of Agriculture Peshawar, Pakistan (6 months as International Research Scholar at the University of Florida, USA) — CGPA 3.77 (2015–2020)

M.Sc (Hons) Agri. Entomology The University of Agriculture Peshawar, Pakistan — CGPA 3.62 (2008–2010)

B.Sc (Hons) Agri. Entomology The University of Agriculture Peshawar, Pakistan — CGPA 3.24 (2004–2007)

F.Sc. Pre-medical B.I.S.E Peshawar — 1st Division (2002–2003)

SSC (Science) B.I.S.E Peshawar — 1st Division (2001)

Professional Experience

- • Lecturer, The University of Agriculture Peshawar, Pakistan (June, 2020 till now)
- • Researcher, Economic Entomology Research Unit (EERU), King Saud University, Riyadh, Saudi Arabia (3.5 years)
- • National Internship (NIP), Pesticides Registration Office, Plant Protection Department, ATI Peshawar (1 year)
- • Intern, Nuclear Institute for Food and Agriculture (NIFA), Tarnab, Peshawar (6 months)

Achievements

- • Established 'Honey Bee and Pollinators Research Lab' at the University of Agriculture, Peshawar.
- • Developed honey bee apiaries of *Apis mellifera* and *Apis cerana* for student research and honey production.

Selected Publications

Full list available upon request or via Google Scholar profile.

- • Shakeel, M., et al. (2025). Artificial Diet Supplementation and Its Role in Enhancing Winter Survival and Productivity of Honey Bee Colonies. *Sociobiology*, 72(4), e11690.
- • Shah, B., Hassan, M. A., Naveed, H., Shakeel, M., et al. (2023). New findings of Deltoccephalinae from Pakistan. *J. Insect Biodivers. Syst.* 9(3): 583–590.
- • Shakeel, M., Ahmad, S., Ali, H., et al. (2020). Comparison of Hygienic Behavior of *Apis mellifera* and *Apis cerana*. *Sociobiology*. 67(1): 74–79.

Conferences & Workshops

- • Poster Presentation, ESA Annual Meeting Entomology 2013, Austin, USA.
- • Oral Presentations at 3rd–5th KSU Student Scientific Symposia, Riyadh, Saudi Arabia (2013–2014).
- • Resource Person, National Workshop on Honeybee Management, KUST (2017).
- • Presentation on 'Honeybee Queen Health and Colony Productivity', NARC, Islamabad (ALP Project NR-047).

Supervised Post-Graduate Student Research

- • Qaisar Hamad (2023): Varietal response of bitter gourd towards insect pests at District Peshawar.
- • Ieraj Khan (2023): Effect of Irradiation and Temperature on *Sitotroga cerealella* and *Trichogramma chilonis*.
- • Hamza Jamil (2023): Evaluation of various diets on *Apis mellifera* colony performance in Peshawar.
- • Muhammad Fayaz (2023): Evaluation of different insecticides as slow acting toxicants against termites, *Heterotermes indicola* L.

Language Skills

- • English
- • Urdu
- • Pashto
- • Arabic