

Dr. Nilesh B. Jawalkar

Designation: Assistant Professor

Department: Zoology

Contact Information:

- **Email:** nbjawalkar@vpmthane.org, nbjawalkar@gmail.com
 - **LinkedIn / ResearchGate / Google Scholar / ORCID / Web of Science:**
 - <https://www.linkedin.com/in/dr-nilesh-jawalkar-bb9399b9/>
 - https://www.researchgate.net/profile/Nilesh-Jawalkar?ev=hdr_xprf
 - <https://scholar.google.com/citations?user=2e0OrOEAAAAJ&hl=en>
 - <https://orcid.org/0000-0002-8634-9734>
 - <https://www.webofscience.com/wos/author/record/AAD-7988-2019>
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Educational Background

- **Highest Degree:** Ph. D.
 - **Field of Study:** Protection of maize grains from *Sitophilus granarius* (Linnaeus, 1875) and *Sitotroga cerealella* (Olivier, 1789) infestation using phytochemicals from local plants. Year: 2021
 - M. Sc. in Zoology, Year: 2013
 - B. Sc. in Zoology, Botany & Chemistry, Year: 2011
 - **University Name:** Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajinagar
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Areas of Expertise / Research Interests

- Entomology, Agricultural Entomology, Biopesticide screening from plants.
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Teaching Interests

- Cell Biology, Molecular Biology, Genetics, Biomolecules, Instrumentation,
 - Endocrinology, Environment & wildlife management, Invertebrate Zoology, etc.
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Professional Experience

- Assistant Professor, MSPM's Deogiri College, Chhatrapati Sambhajinagar [3 Years]

- Newton-Bhabha Visiting Research Fellow, School of Natural and Environmental Sciences, Newcastle University, United Kingdom.
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Publications & Research

- Sharma, C., **Jawalkar, N.** (2026). Insecticidal efficacy, induced morphological and histopathological alterations in *Heliothis armigera* (Hübner) exposed to *Nerium oleander* leaf extracts. *Int. J. Trop. Insect Sci.* Vol. 46 <https://doi.org/10.1007/s42690-026-02004-0>
- Sharma, C., **Jawalkar, N.**, & Patil, G. (2025). Toxicity and histological architecture of *Semecarpus anacardium* kernel extract on the foregut of *Heliothis armigera*. *J. Eco-fri. Agri.*, 20(1), 149-154.
- Sharma, C., **Jawalkar, N.**, Patil, G., & Jaiswal, D. P. (2023). Bioefficacy of *Nerium oleander* leaf extract on the growth of *Heliothis armigera* H. (Lepidoptera: Noctuidae). *J. Entomol. Zool. Stud.*, 11(6), 95-98.
- Hussain, Z., Sarwar, Z. M., Akbar, A., Alhag, S. K., Ahmed, N., Alam, P., ... & **Jawalkar, N. B.** (2022). Spatiotemporal distribution patterns of pest species (Lepidoptera: Noctuidae) affected by meteorological factors in an agroecosystem. *Agriculture*, 12(12), 2003.
- Bhalchandra, W., Joshi, M. A., & **Jawalkar, N.** (2022). Antifungal Activity of Raw Honey of Three Honeybee Species Harvested from Kannad Taluka of Aurangabad District (MS), India. *Int. J. Res. Appl. Sci. & Eng. Tech.*, 10(3), 969-974.
- Bhalchandra, W., Joshi, M. A., & **Jawalkar, N.** (2022). Effect of storage on various honey quality parameters of *Apis mellifera* honey harvested from Kannad region, Aurangabad. *J. Pharmacogn. Phytochem*, 11(1), 239-246.
- Bhalchandra, W., Joshi, M. A., & **Jawalkar, N.** (2022). Enzyme activity of raw honey harvested from different localities of Kannad region, Aurangabad District (MS), India. *J. Entomol. Zool. Stud.*, 10(1), 306-311.
- Bhalchandra, W., Joshi, M. A., & **Jawalkar, N.** (2022). Assessment of essential minerals and toxic trace metals in blended raw honey, soil, leaf and flower samples harvested from different locations of Kannad Taluka of Aurangabad District. *J. Entomol. Zool. Stud.*, 10(1), 298-305.

- **Jawalkar, N. B.,** Zambare, S. P., & Al Ghannoum, M. I. (2021). The Potency of Six Medicinal Plant Extracts against the Stored Grain Insect Pest *Sitophilus granarius* L. *Arab J. Plant Prot.*, 39(4), 323-328.
- Kulkarni, A., & **Jawalkar, N.** (2020). Isolation and Characterization of Phosphate Solubilizing Alkaliphilic Actinomycetes from Agricultural Soil of Lonar Crater. *Res. J. Agric. Sci.*, 11(3), 570-573.
- **Jawalkar, N.,** Zambare, S., & Kulkarni, A. (2020). In vitro antimicrobial activity and preliminary phytochemical screening of some plant extracts. *J. Pharmacogn. Phytochem.*, 9(2), 1649-1653.
- **Jawalkar, N.,** & Zambare, S. (2020). Bioinsecticidal activity of *Vitex negundo* L. (Family: Verbenaceae) leaf extracts against *Sitophilus granarius* L. in stored maize grains. *J. Entomol. Zool. Stud.*, 8(2), 1532-1538.
- **Jawalkar, N.,** Zambare, S., & Zanke, S. (2016). Insecticidal property of *Datura stramonium* L. seed extracts against *Sitophilus oryzae* L. (Coleoptera: Curculionidae) in stored wheat grains. *J. Entomol. Zool. Stud.*, 4(6), 92-96.

Book Chapters

- **Jawalkar, N.,** & Morajkar, A. (2026). Plant- based pest management for safe global food storage. *Proceedings of International Conference on Applied Zoology (icaz'26)*, 23rd-24th January 2026, Pg. No. 22-25. **ISBN No. 978-81-999203-2-3**
- Morajkar, A., Dandekar, S. & **Jawalkar, N.** (2026). Coastal woodlands of Phansad untapped biodiversity and conservation imperatives. *Proceedings of International Conference on Applied Zoology (icaz'26)*, 23rd-24th January 2026, Pg. No. 26-29. **ISBN No. 978-81-999203-2-3**

Awards & Recognitions

- **IASc-INSANA-SI Summer Research Fellowship-** Science Academies (Indian Academy of Sciences, Bengaluru; Indian National Science Academy, New Delhi and The National Academy of Sciences India, Prayagraj), 2023.
- Nominated for **70th Lindau Nobel Laureate Meeting (Interdisciplinary)** – Department of Science & Technology, Government of India, New Delhi, 2020.

- **Newton-Bhabha PhD Placement 2018-19 Short Term Research Internship Award-** Department of Science & Technology, Government of India, New Delhi and British Council, United Kingdom, 2018.
- **INSPIRE Fellowship-** Department of Science & Technology, Government of India, New Delhi, 2015.
- **Gold Medal and Appreciation Certificate-** Atmatara Foundation, Kolhapur, 2014.
- **University Gold Medal, Dr. R. Nagabhushanam Prize and Dr. R. Krishnamurthy Prize-** Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajinagar, 2013.
- **University Merit Scholarship-** Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajinagar, 2012.

Notable achievements:

- Worked as a **Co-convenor** for the **International Conference on Applied Zoology (icaz'26): Sustainable Stride for the Future** held at VPM's B. N. Bandodkar College of Science (Autonomous), Thane on 23rd-24th January, 2026.
- Worked as an **Associate Editor** for the book **“Proceedings of International Conference on Applied Zoology (icaz'26): Sustainable Stride for the Future,”** 23rd-24th January 2026, Pg. No. 01-100. **ISBN No. 978-81-999203-2-3.**
- Appointed as a **Facilitator Trainer** for the **British Council Climate Skill Program** by University of Mumbai, Mumbai, 2025.
- Awarded seed money for the best social action plan of our college, recognized by the University of Mumbai in collaboration with the British Council under the British Council – Seed for Transition India ‘ReEarth’ Program.
- Completed Innovation Ambassador (IA) training ‘Foundation and Advanced Level’ conducted in online mode by MoE’s Innovation Cell & AICTE during academic year 2025-26.
- Appointed as a **Venue Officer (VO)** to conduct B. Ed. CET by Regional Joint Director, Higher Education, Konkan Region, Panvel.

- Appointed as a **core member of district-wise sub-committee working groups** for the **British Council Climate Skill Program Phase II** Global Collaboration Grant (2026) by the University of Mumbai.
- Appointed as **Editorial Member, Open Access Journal of Zoological Sciences (OAJZS)**, Velnora Publishers, USA.