

Curriculum Vitae – Dr. Krishna Trambadiya

Dr. Krishnaben P. Trambadiya

[M.Sc., Ph.D. (Zoology)]

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Education Details:

Examination	Board/University	Year of Passing	Percentage
S.S.C.	G.S.E.B	2013	88.16 %
H.S.C.	G.H.S.E.B	2015	74.42 %
Bachelor of Science (Zoology)	Gujarat University	2018	85.61 %
Master of Science (Zoology)	Gujarat University	2020	74.87 %
Doctor of Philosophy (Zoology)	Bahauddin Science College, Bhakta Kavi Narsinh Mehta University, Junagadh	2025	-

Doctor of Philosophy (Zoology), 2025, Bahauddin Science College, Bhakta Kavi Narsinh Mehta University, Junagadh, Gujarat, India.

Supervisor: Dr. Manishkumar D. Visavadia

Ph.D Thesis Title: "Phytochemical analysis and Nematicidal activity of selected medicinal plant against Root-knot nematodes".

Master of Science (Zoology), 2020, Department of Zoology, Biomedical technology, Human Genetics, Wildlife Biology & Conservation, Gujarat University, Ahmedabad, Gujarat, India.

M.Sc. Dissertation Title: "Identification and Control of Agricultural nematode pests with reference to Gujarat state".

Area of Specialization: Plant Nematology and Zoology

Career & Experience:

Current Position –Assistant Professor, P.G. Department of Biosciences, Sardar Patel University, Vallabh Vidyanagar, Gujarat, India (June 2025 to Present)

Teaching assistant (July, 2021 to June, 2023) at Bahauddin Government Science College, Junagadh during the SHODH fellowship scheme.

Research Publications:

Publication as a main author

1. **Trambadiya K.**, Kanabar R., Poriya P., Visavadia M., and George L. B. (2024). Nematicidal and Molecular Docking Investigation of Secondary Metabolites Derived from *Embelia tsjerium-cottam* Fruit Extract against *Meloidogyne incognita*. *International Journal of Zoological Investigations*, 10(1), 791-802.
<http://ijzi.net/Issue/5120506550IssueMS86.pdf>
2. **Trambadiya K.**, Kanabar R., Visavadia M., Pandit Z. and George L. B. (2023). *In-vitro* nematicidal activity of selected plant extract against *Meloidogyne incognita*. *Archives of phytopathology and plant protection*, 56(15), 1221-1235.
<https://www.tandfonline.com/doi/abs/10.1080/03235408.2023.2276686>
3. **Trambadiya K.**, Kanabar R. and Visavadia M. (2023). Nematicidal Properties of Medicinal Plants against Root-Knot Nematode-A Systematic Review. *European Journal of Theoretical and Applied Sciences*, 1(4), 501-509.
<https://ejtas.com/index.php/journal/issue/view/4>
4. **Trambadiya K.**, Kanabar R. and Visavadia M. (2022). Comparison between agriculture soil and common land soil in relation to soil edaphic factors and nematode community. *International Journal for Research in Applied Science and Engineering Technology (IJRASET)*, 10(3), 2357-2362.
<https://www.ijraset.com/best-journal/agriculture-soil-and-common-land-soil-in-relation-to-soil-edaphic-factors>

Publication in collaboration :

5. Kanabar R., **Trambadiya K.**, Poriya P. and Visavadia M. (2023). Coprological assessment of gastrointestinal parasites in wild animals of India: A review. *International Journal of Zoological Investigation*, 9(2), 1027-1037.

6. Kanabar R., **Trambadiya K.**, Visavadia M. and Kadivar R. (2024). Coprological prevalence of gastrointestinal parasites in some wild herbivore animals at Girnar Wildlife Sanctuary, Junagadh, Gujarat. *Indian Journal of Natural Sciences*, 15 (85): 79154-79159.
7. Gohil B., Kanabar R., **Trambadiya K.**, Poriya P. and Visavadia M. (2024). An annotated checklist of Avifauna from Ramdhari village, Bhavnagar, Gujarat, India. *Munis Entomology & Zoology*, 19 (suppl.): 3176-3189.
8. Gohil B., **Trambadiya K.**, Kanabar R. Poriya P. and Visavadia M. (2024). Exploring the butterfly (Lepidoptera:Rhopalocera) diversity of Ramdhari, Bhavnagar, Gujarat, India. *International Journal of Zoological Investigation*, 10(2): 1466-1476.

Census/Population Estimation :

1. Participated in “**Dolphin Census**” at Marine National Park Jamnagar on 2-4 February, 2024.
2. Participated in “**Wild Ass Population Estimation**” at Wild Ass Sanctuary Dhrangdhra organized by Gujarat Forest Department on 21-22 May, 2024.

Awards & Fellowship :

1. Achieved the **Best poster presentation** award in **2 day national conference on Present Day Biology : Footprints of and for the environment** on 09-10 December, 2023 organized by St. Xavier's College (Autonomous) Ahmedabad, Gujarat, India. Poster presentation title: Nematicidal and Molecular docking investigations of *Tinospora cordifolia* stem extract against *Meloidogyne javanica*.
2. Received Shodh scholarship for PhD research (July 2021- June 2023) by Education Department, Gujarat State.

Workshops & Training :

1. **1 day** seminar cum workshop on HPTLC and its application at Department of Zoology, Gujarat University, Ahmedabad jointly organized by ANCHROM (13th February, 2020).
2. **5 days** Hands on training program on "Analytical Techniques" at Gujarat Biotechnological Research Center (GBRC) jointly organized by NIPER. (19-23 December, 2022)

3. **2 days** International webinar training on "Forestry applications (QGIS)" organized by TGIS online platform, Ahmedabad (20-21 January, 2024).
4. **1 day** workshop on "Understanding Research Methodology and Techniques" organized by Research and Development Cell of Bahauddin Science College, Junagadh (15th January, 2024).
5. **1 day** workshop on "Research Database – Scifinder & Bibliographic Information" organized by Research and Development Cell of Bahauddin Science College, Junagadh (7th March, 2024).
6. **1 day** workshop on "Understanding NAAC and AQAR with special reference to science college" by Bahauddin Science College and SQAC KCG, Government of Gujarat (2nd March, 2024).
7. **2 days** hands-on workshop on 'Remote Sensing and GIS' organized by the Department of Life Sciences, Maharaja Krishnakumarsinghi Bhavnagar University Bhavnagar (21-22 September, 2024).
8. 7th International **1 day** Wetland Seminar & **3 day** Technical Workshop on "Protecting Wetlands for Our Common Future" Organized by Gujarat Ecological Education and Research (GEER Foundation), Gandhinagar (28-31/01/2025).
9. **11 days** hands on training program on " Environmental Surveillance Using Molecular Methods" at Gujarat Biotechnological Research Center (GBRC) jointly organized by CSIR-National Chemical Laboratory, Pune and ARTPARK-Indian Institute of Science, Bangaluru (10-21/02/2025).

Conference Presentations :

International level :

1. **Title : Interaction between edaphic soil factors and nematode community (Oral).** "34th International conference on new directions of academic research" organized by the Department of English, Bhakta Kavi Narsinh Mehta University, Junagadh, Gujarat, India. (19-20 February, 2022).
2. **Title : Nematicidal and Molecular docking investigation of *Aegle marmelos* fruit extract against *Meloidogyne incognita* (Poster).** "29th ISCB International conference on paradigm shift towards sustainable growth in chemical and biological sciences" organized by the Department of Chemistry and Forensic Science & Department of Life Sciences, Indian Society of Chemists and Biologists (Junagadh Chapter) Bhakta Kavi Narsinh Mehta University, Junagadh, Gujarat, India. (11-12 January, 2024).

National level :

3. **Title : In-vitro nematocidal activity of *Aegle marmelos* (L.) leaf extract on *Meloidogyne incognita* (Poster).** "Environmental solution : Green chemistry, Sustainable Development and Renewable energy" organized by Bahauddin Science College, Junagadh, Gujarat, India. (28th February, 2023).
4. **Title : Nematicidal and Molecular docking investigation of *Tinospora cordifolia* stem extract against *Meloidogyne javanica* (Poster).** "Present Day Biology : Footprints of and for the environment" organized by St. Xavier's College (Autonomous) Ahmedabad, Gujarat, India. (09-10 December, 2023).
5. **Title : Green Innovation in Nematode Management: Unleashing the potency of *Tinospora cordifolia* stem extract against *Meloidogyne incognita* (Poster).** "Bharatiya Vigyan Sammelan" at Science city, Ahmedabad, Gujarat, India. (21-24 December, 2023).

Technical Skills :

- ✓ Handling skill of scientific instruments like pH meter, Flame photometer, UV-visible Spectrophotometer, Soxhlet extractor, Magnetic stirrer, Heating mantle, Trinocular Microscope, Stereo zoom microscope, Inverted microscope, Fluorescence Microscope, Centrifuge, Autoclave, GPS, Photocolory meter, HPTLC, LCMS and other instruments used in Bachelor, Master of Science and research laboratory.
- ✓ Basic knowledge of Molecular docking softwares viz., modeler, Biovia discovery studio, openbabel, autodock vina.
- ✓ Basic Knowledge of Statistical software like QGIS, PAST.