

## FACULTY PROFILE FORMAT

1. Full Name: Dr. Abhishek Gowda A. P.
2. Designation: Assistant Professor
3. Department/School: Nematology- School of Crop Protection
4. Official Email ID: [abhishekgowda@cau.ac.in](mailto:abhishekgowda@cau.ac.in)
5. Profile Photo:
6. Area of Specialization: Nematology
7. Research Interests: Nematode Management, Biological Control/Bionematicides
8. Highest Educational Qualifications:



Degree	Subject	University/Institute
Ph.D.	Nematology	ICAR- IARI, Pusa Campus, New Delhi

9. Professional Experience:

Position	Organization	Duration
Assistant Professor (Nematology)	CAU, Imphal, Manipur	28/02/2024 - Till Date

10. Research Projects:

Title	Funding Agency	Budget (In Lakh's)	Duration	Status
AICRP on Nematodes- NEH Component.	ICAR- AICRP on Nematodes in Agriculture, New Delhi.	9.30	1 Year (2024-25)	Completed
Evaluation of different Bio-stimulant Products on Growth, Yield and Economics of Tomato.	Criyagen & Biotech Pvt. Ltd., India.	12.50	1 Year (2024-25)	Ongoing
Documentation of existing common pests and diseases of crops in Indo-China border areas of Northeast India.	DRL-DRDO-CARS, Tezpur.	18.00	1 Year (2025-26)	Ongoing
Establishment of 'Crop Based Model IPM Villages' for promotion of integrated pest management technologies in NEH region of India.	ICAR-NRIIPM, New Delhi.	15.00	1 Year (2025-26)	Ongoing

11. Selected Publications:

- Pankaj, Rana, V. S., Kaushik, P., Kumar, H., Devaraja, K. P., Abhishek Gowda,

- A. P., & Shakil, N. A. (2021). Bio efficacy evaluation of chalcone derivatives against *Meloidogyne graminicola* infecting rice, *Oryza sativa* L. *Journal of Environmental Science and Health, Part B*, 56(9), 801-808.
- Abhishek Gowda, A. P., Pankaj., Shakil, N. A., Rana, V. S., Bhatt, K. C., & Devaraja, K. P. (2022). Chemical composition and nematicidal activity of *Mentha longifolia* L. essential oil and crude extracts against *Meloidogyne graminicola* (rice root-knot nematode). *Indian Journal of Nematology*, 52(1), 81-91.
  - Devaraja, K. P., Pankaj., Ellur, R. K., Singh, A. K., Abhishek Gowda, A. P., Sirohi, A., & Sinha, P. (2021). High throughput screening of introgression lines of rice for resistance against rice root-knot nematode (*Meloidogyne graminicola* Golden & Birchfield). *Indian Journal of Nematology*, 51(2), 155-165.
  - Sowmya, R., Pankaj., Kumar, H., Devaraja, K. P., Kumar, A., & Abhishek Gowda, A. P. (2021). Influence of summer green manuring on soil nematode population under rice-wheat cropping system. *Indian Journal of Nematology*, 51(1), 1-10.
  - Devaraja, K. P., Ellur, R. K., Singh, A. K., Abhishek Gowda, A. P., & Sirohi, A. (2022). Response of rice genotypes to rice root-knot nematode (*Meloidogyne graminicola*) infection under varying temperature regimes. *Plant Pathology*, 72(1), 179-194.
  - Abhishek Gowda, A. P., Pankaj., Dinesh Singh., Awani Kumar Singh., & Sowmya, R. (2022). Nematicidal potential of plant growth promoting rhizobacteria against *Meloidogyne incognita* infesting tomato under protected cultivation. *Egyptian Journal of Biological Pest Control*, 32: 145.
  - Abhishek Gowda, A. P., Singh, A. K., Devaraja, K. P., Sowmya, R., Pravesh Kumar., & Pankaj. (2022). Response of tomato genotypes to root-knot nematode (*Meloidogyne incognita*) infection under laboratory and protected cultivation. *Indian Journal of Nematology*, 52(2), 248-261.
  - Abhishek Gowda, A. P., Pankaj., Shakil, N. A., Rana, V. S., Singh, A. K., Bhatt, K. C., & Devaraja, K. P. Chemical composition and nematicidal activity of essential oil and piperitenone oxide of *Mentha longifolia* L. against *Meloidogyne incognita*. *Allelopathy Journal*, 58(2), 165-181.
  - Vijay Kumar, Partha Chandra Mondal, Rakesh Kumar, Pankaj, Parshant Kaushik, Najam Akthar Shakil, A P Abhishek Gowda and Virendra Singh Rana. Composition and nematicidal activity of the essential oil from *Piper longum* L. against *Meloidogyne incognita* (root knot nematode). *Indian Journal of Agricultural Sciences*.
  - Devaraja, K. P., Ellur, R. K., Gowda, A. P. A., Singh, A. K., & Ajaykumara, K. M. (2025). Wild relatives of rice are the treasure trove for resistance to the rice root-knot nematode, *Meloidogyne graminicola*. *Nematology*, 27(3), 255-275.
  - Vimala, G., Machal, M., Rana, V. S., Abhishek Gowda, A. P., Kumar, V., Shakil, N. A., & Kumar, R. (2025). Effect of botanicals, organic nutrient sources, and bio-control agents on root-knot nematode (*Meloidogyne incognita*) infecting tomato. *Frontiers in Plant Science*, 16, 1602326.

12. Courses Taught: NEMA 501; NEMA 503; NEMA 504; NEMA 505; NEMA 506; NEMA 509; NEMA 510.

13. Student Guidance: M. Sc.: 3 Students (Ongoing)

14. Workshops/Training/Conferences Organized:

- Organized 7 days on campus “Farmers Capacity Building Training Programme on Integrated Nematode Management Techniques in Horticultural Crops” at College of Horticulture and Forestry, CAU (I), Pasighat, East Siang District, Arunachal Pradesh during 12<sup>th</sup> Aug, 2024 to 18<sup>th</sup> Aug, 2024.
- Organized one day State level “Farmers’ Fair cum Awareness Programme on Nematodes Problem in Horticultural Crops and their Management” College of Horticulture and Forestry, CAU (I), Pasighat, East Siang District, Arunachal Pradesh on 25<sup>th</sup> January, 2025.

15. Google Scholar/ ORCID/ ResearchGate/ Scopus ID:

Google Scholar: [Dr. Abhishek Gowda A. P. - Google Scholar](#)

ORCID: <https://orcid.org/0009-0003-2391-071X>