

Pankaj Kumar, M. Sc.

Assistant Professor

Department of Botany

Government Lal Chakradhar Shah P. G. College Ambagarh Chowki,

District- Mohla-Manpur-Ambagarh Chowki, Chhattisgarh- 491665

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Research interest: Molecular Study of plant growth promoting rhizobacteria.

Education:

2020-till date PhD running

Department of Botany, Guru Ghasidas Vishwavidyalaya,

Bilaspur, Chhattisgarh-495009

2014-2020 Teaching

Teaching as guest lecture at college, coaching for CSIR, NET
JRF DBT, ICAR, GATE, ICMR etc.

2012-2014 Master of Science, Botany, Department of Botany

Guru Ghasidas PG college Kurud, Dhamtari, C.G.

2009-2012 Bachelor of Science,

Govt college Bhakhara, Dhamtari C.G.

Award/Fellowship/national level competitive exam

Junior/Senior research fellowship by University Grant Commission, India during Ph.D.

Qualified in Graduate Aptitude Test in Engineering (**GATE**)

Qualified in **CG SET**

Qualified in **ICAR-NET**

Publications:

- Sharma, Shivali, Sanjit Kumar, **Pankaj Kumar**, and Vibhay N. Tripathi. "Quorum sensing in Gram-negative pathogens, a fresh look." *The Microbe* (2024): 100108.
- **Kumar, Pankaj**, Shivali Sharma, and Vibhay Nath Tripathi. "Quorum sensing in bacteria of rice rhizospheres from Chhattisgarh, India." *Bioinformation* 19.2 (2023): 199.
- **Kumar, Pankaj**, and Vibhay Nath Tripathi. "Quorum Sensing in Gram-Negative and Gram-Positive Bacteria." *Chhattisgarh Journal of Science and Technology* ISSN: 0973-7219, Volume 18, Issue 2, 2021, pp.- 23-32

Conferences attended:

- **Poster presented** on National conference on Multidisciplinary trends and innovations towards health for all on the topic of **AHL Mediated Quorum Sensing in Rice Rhizospheric Bacteria** in 14-15 April 2023 and 3rd best poster award got in my section in this conference.
- **Oral presentation** in 64th Annual International Conference of the Association of Microbiologist of India (AMI) 'Microbes for LiFE- Lifestyle for the Environment: A strategy for well being' on the topic of "**Study of quorum sensing signaling in rice rhizospheric plant growth promoting bacteria**" in 1-3 December, 2023.
- Oral presentation on the subject of "**Studies of quorum sensing signalling in rice rhizospheric bacteria isolated from Chhattisgarh**" at the 19th Chhattisgarh Young Scientist Congress on February 26–27, 2024.