

CURRICULUM VITAE

PERSONAL INFORMATION

Name : Hemant Kumar
Date of birth : 23/02/1997
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CAREER OBJECTIVE

In impending future, I aspire to undertake dedicated research in molecular plant microbe interaction. I see this as the first major step towards me developing into a researcher with successful and credible career in the field of molecular plant-microbe interactions.

EDUCATION

- 2022 – onwards : Ph.D (Pursuing), Department of Botany, Institute of Science, BHU Varanasi
- 2019 – 2021 : M.Sc Botany, Indira Gandhi National Tribal University, Amarkantak (M.P.)
CGPA: 8.02/10
- 2016 – 2019 : B.Sc., Botany (Hons), Indira Gandhi National Tribal University, Amarkantak (M.P.), CGPA: 7.57/10
- 2013 – 2015 : Intermediate Education, Subject – Biology, chemistry, Physics
Percentage: 78.4%
- 2012 – 2013 : High School Education, Percentage: 81%

RESEARCH SKILLS

- Six-month project assistant (Sept 2021 – April 2022) AICRP 29, project on entitled “Sustainable management of NTFPs through conservation and value addition” at Tropical Forest Research Institute Jabalpur.

PUBLICATION

1. **Hemant Kumar**, Rusi Lata, Uzma Khan, James F. White, Jr, Surendra Kumar Gond. Potential Application of Endophytic Bacteria for Induction of Abiotic Stress Tolerance in Plants. **Symbiosis** (Communicated).
2. Khan, Uzma, Rusi Lata, **Hemant Kumar**, and Surendra Kumar Gond. "Exploration of oncolytic drugs from endophytic fungi of *Catharanthus roseus*." *South African Journal of Botany* 173 (2024): 330-337. <https://doi.org/10.1016/j.sajb.2024.08.014>

Book chapter

1. **Kumar, Hemant**, Rusi Lata, Uzma Khan, and Surendra K. Gond. "Biotechnological approaches for crop movement and production." *Sustainable Agriculture: Nanotechnology and Biotechnology for Crop Production and Protection* (2024): 335. <https://doi.org/10.1515/9783111234694-018>
2. **Hemant Kumar**, Preeti Rathia, Rusi Lata, Uzma Khan, Surendra K. Gond. Siderophilic Microbes and their Role in Abatement of Abiotic Stress. Elsevier (Under Revision)

Conferences & symposium

1. Global symposium on soil and water organized in hybrid format 2 to 5 October 2023 organized by the Food and Agriculture Organization of the United Nations.
2. Poster presented at an international conference on "Fungal Biology and Plant-Microbe Interactions (ICFBPMI)" organized by the Department of Botany, BHU.
3. Participated in "Science technology intervention for the welfare of schedule tribes" organized by National academy of sciences 2020.