

SHIVI CHOUDHARY

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Career Objective

- To work hard with an organization that would give me enough opportunity to learn new innovative things in the competitive world and can do something better for self and the society
- To achieve the best in my field of specilaization by hardworking and by facing challenges
- To earn the rewarding position in an organization where my knowledge and skills will be upgraded and utilized to further goals of an organization that promotes professional advancement and personal growth

Academic Profile

Examination	Board / University	Subject studied	Year	Percentage Scored
Ph.D.	CCS HAU, Hisar	**Microbiology**	Thesis submission pending	8.1 CGPA
M.Sc	CCSU, Meerut	**Microbiology**	2018	8.58 CGPA
B.Sc	CCSU, Meerut	**Microbiology**	2016	75.60%
INTERMEDIATE (10+2)	U.P. BOARD	English, Hindi, Physics, Chemistry, **Biology**	2013	66.20%
MATRIC(10^{th})	U.P. BOARD	English, Hindi, Science, Social Science, Commerce, Home Science	2011	67.33%

Achievements

- Qualified CSIR-UGC NET JRF 2018 with AIR 57
- Qualified ICAR-ASRB-NET 2018
- Qualified ICAR-SRF 2019 with AIR 10
- Qualified GATE 2021 with AIR 2067

Skill Highlights

TECHNICAL PROFICIENCIES

- AGE, PAGE, SDS- PAGE, native PAGE
- Microbial culturing techniques
- Microscopy
- Pathological tests
- Serological tests

- Paper and Thin Layer Chromatography
- Microbial examination of milk (Reductase test)
- Biochemical tests related to microbes
- Knowledge of FASTA, BLAST, BioEdit
- Working knowledge of Microsoft Office
- Working knowledge of Windows XP, 7, 8, 10
- Knowledge of Internet and Software installation
- Knowledge of statistical programming languages- SPSS, SAS, R & Origin

LANGUAGE PROFICIENCIES

- Hindi
- English

Experience

- Presently pursuing Ph.D. in Microbiology at CCS-HAU, Hisar since August, 2019 till date
- Giving coaching to 5^{th} to 10^{th} students for CBSE from 2009 to 2016.

Publications

- **Choudhary, S.**, Sharma, K., Nandini. and Rani S. (2021). Applications of Next Generation sequencing Technologies for Transcriptome Analysis. Advances in Biotechnology and Bioscience, AkiNik Publications (Volume-10).
- Nandini, Rani, S., **Choudhary, S.** and Sharma K. (2021). Phage Encoded Inhibitors of CRISPR-Cas System:Anti-CRISPR Proteins. Advances in Biotechnology and Bioscience, AkiNik Publications (Volume-10).
- Sharma, K., **Choudhary, S**., Nandni. and Rani, S. (2022). Rapid Screening of Microbes in Agriculture, Water and Environment through qPCR. Advances in Agricultural Biotechnology, AkinNik Publications (Volume -4).
- Sharma, K., Malik, K., **Choudhary, S.**, Kumar, S., Dhull, N., Sujeeta. (2022). Polyhydroxybutyrates (PHBs): an eco-friendly alternative to petroleum-based plastics for diminution of their detrimental effects on the environment. *International Journal of Agricultural and Applied Sciences*, 3(2): 8-18.
- Rani, S., Pooja, Nandini, Sharma, K. and **Choudhary, S.** (2022). Effect of Textile Industry Waste Water On Seed germination and Plant Growth of Mustard. *Pollution Research*, 41(2): 569-575.
- **Choudhary, S**., Saharan, B. S. and Kumar, S. (2022). Protracted Agriculture Through Rhizospheric Engineering. *Vigyan Varta,* 3(12): 62-65.
- Saharan, B. S. and **Choudhary, S.** (2022). Urban Farming-Demand of the Day. *Vigyan Varta,* 3(8): 94-96.
- Saharan, B. S., **Choudhary, S**. and Gera, R. (2023). Role of Activated Charcoal in Agriculture. *Vigyan Varta,* 4(6): 144-147.
- **Choudhary, S**., Kumar, S. and Sharma, K. (2023). Biofertilizer: A Healthy Alternative to Chemical Fertilizers. *Agriculture & Food: E-Newsletter,* 5(9): 156-159.
- Rani, D., Jangra, R., **Choudhary, S.** and Kumar, S. (2023). Enhancing Crop Development: The Role of Nanobiofertilizers in Agricultural Advancement. *Agriculture & Food: E-Newsletter,* 5(9): 151-153.
- Jangra, R., Rani, D., **Choudhary, S.** and Kumar, S. (2023). Strategies Using Nanoscale Zero Valent Iron to Promote Remediation and Safe Crop Production. *Agriculture & Food: E-Newsletter,* 5(9): 165-167.

- **Choudhary, S.**, Saharan, B. S., Gera, R., Kumar, S., & Gupta, A. (2024). Molecular characterization of potential zinc solubilizing bacterial isolates from onion rhizosphere and validation of solubilization ability of *Pantoea eucrina* ZSC9 using FE-SEM and EDS. https://doi.org/10.21203/rs.3.rs-3980990/v1 (Preprint).

Conferences & Workshops

- **Choudhary, S.,** Kumar, S. and Saharan, B. S. (2023). Deciphering plant growth promoting traits of *Pantoea dispersa* isolated from the rhizosphere of onion (*Allium cepa* L.). Abstract published in 63rd International Conference of Association of Microbiologists of India on Microbial Technologies for Sustainable Biosphere conducted by Maharishi Dayanand University, Rohtak, February 2-4, 2023.

- **Choudhary, S.,** Kumar, S., Saharan, B. S. and Gautam, H. (2023). Potential of Pseudomonas fluorescens a zinc-solubilizing bacterium as biofertilizer. Abstract published in International conference on Biotechnology and Human Welfare: Vision 2030 and Beyond organized by Department of Biotechnology, Chaudhary Devi Lal University, Sirsa, Haryana, March 3-4, 2023.

- **Choudhary, S.,** Kumar, S. and Saharan, B. S. (2022). Evaluation of zinc solubilizing bacteria for plant growth promoting traits. Abstract published in 62nd International Conference of Association of Microbiologists of India on Microbes and Society: Current trends and Future Prospects conducted by University of Mysore, September 21-23, 2022.

- **Choudhary, S**., Saharan, B. S. And Kumar, S. (2021). Isolation and screening of zinc solubilizing bacteria for use as biofertilizer for onion crop. Abstract published in 3rd international conference on 'Global Initative in Agricultural, Forestry and Applied Sciences for Food Security , Environmental Safety and Sustainable Development (GIFAS-2021)' in Dehradun, Uttarakhand, October 17-18,2021.

- Attended two days national workshop on "Relevance of IPR in the Era of Innovation Driven Research" held on 26th and 27th August, 2022 at Golden Jubilee Centre for Entrepreneurship and Innovation (GJCEI), Guru Nanak Dev University, Amritsar.

- Attended international workshop on "Bioinformatics" organized by Department of Human Physiology, Holy Cross College, Agartala.
- Attended International Conference on "Waste Management: An Urgent Need of India" organised by Shri Ram Group of Colleges, Muzaffarnagar in association with Massachusetts Institute of Technology, Cambridge, USA held on 6th January 2016.

Training

- Training on 'Valorization of Crop Residues and its Management' organised by Students Counselling & Placement Cell Directorate of Students Welfare, CCSHAU Hisar from October 10-20, 2022.

- Training on 'Microbial Bioinoculants in Organic Agriculture: Practices and Prospects' organized by ICAR-National Bureau of Agriculturally Important Microorganisms, Kushmaur, Mau, UP during 23-26 May, 2022.

- 15th days Industrial Training in Microbiology Laboratory at Synokem Pharmaceuticals Ltd., Ranipur (BHEL), Haridwar.

Awards and Extra-Curricular Activities

- Awarded Gold Medal in M.Sc. (Microbiology) 2018, CCS University, Meerut, UP.
- 2nd position in Speech competition organized on World AIDS Day for Public Awareness at Shri Ram College, Muzaffarnagar, UP.
- 2nd position in Debate competition entitled on "Private Sector Provides better Placement: Prospects" organized by Shri Ram College, Muzaffarnagar, UP.
- Presented certificate for best performance in speaking skills by American Institute of English Language, Muzaffarnagar, UP.
- Participated in Collage Competition entitled on "Wild Life Conservation Week" organized by Shri Ram College, Muzaffarnagar, UP.
- 2nd position in Slogan writing competition for Awareness Programme/ Campaigns on "Waste to Wealth" under Mission Life Style for Environment organized by Department of Microbiology, COBS&H, CCSHAU, Hisar, Haryana.

Strenghts

- Punctuality
- Strong will power with dedication
- Hardworking
- Honest
- Good learner
- Optimistic
- Flexible working hours
- Flexible in nature and taking-up the new responsibilities
- Co-operative and friendly

Hobbies

- Reading books, novels, mysteries
- Relating Science
- Dancing and listening music
- Travelling

Personal Particulars

Father Name	Late Pramod Choudhary
Mother Name	Mrs. Anita Choudhary
Sex	Female
Marital Status	Unmarried
Nationality	Indian
Address (Permanent)	H.No. 109/42, Gaushala Nadi Road, Muzaffarnagar-251002, Uttar Pradesh

Declaration

I hereby declare that all statements made herein are true to the best of my knowledge and belief.

Place : Hisar (SHIVI CHOUDHARY)
Date: 25/04/2024