



KAJAL BHARTI

OFFICER - MICROBIOLOGIST

Ludhiana, Punjab

9781424485

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SUMMARY

Dedicated and experienced microbiologist with nearly two years of hands-on experience in the pharmaceutical industry. Skilled in microbiological analysis, environmental monitoring, and sterility testing. Proficient in handling sophisticated laboratory equipment and ensuring compliance with industry standards. Seeking to leverage my skills and expertise to contribute to the success of an innovative organization.

WORK EXPERIENCE

COSMAS
PHARMACEUTICAL LTD.,
MICROBIOLOGY LAB SEP
2022 - PRESENT

Microbiologist Officer

- Conduct comprehensive water analysis to ensure the purity and safety of water used in pharmaceutical processes, implementing corrective actions when deviations occur.
- Prepare various types of media essential for microbial growth and analysis, ensuring proper growth conditions and contamination-free environments.
- Perform regular environmental monitoring, including air, settle plate, personal and surface monitoring, to maintain a sterile laboratory environment.
- Conduct sterility testing of pharmaceutical products using methods such as membrane filtration and direct inoculation, ensuring they are free from microbial contamination.
- Perform microbial limit tests on finished products and raw materials, ensuring they meet industry standards for microbial content.
- Expertly operate and maintain laboratory equipment such as TOC analyzer, pH meter, colony counter, HLAf, microscope, water bath, and autoclave, ensuring equipment calibration and proper functioning.
- Maintain detailed and accurate laboratory records, ensuring compliance with regulatory standards and Good Laboratory Practices (GLP).
- Communicate effectively with team members and stakeholders, avoiding technical jargon and explaining complex concepts in a clear and concise manner.

EDUCATION

PUNJAB AGRICULTURAL
UNIVERSITY, LUDHIANA

Master of Science in Microbiology, 2022

CGPA: 7.55

Relevant Coursework: Advanced Microbial Techniques, Industrial Microbiology, Clinical Microbiology

S.C.D GOVERNMENT
COLLEGE, LUDHIANA

Bachelor of Science in Medical, 2019

Percentage: 81.45%

Relevant Coursework: Industrial Microbiology, Chemistry, Botany

GOVT. SENIOR
SECONDARY SCHOOL,
LUDHIANA

Senior Secondary Education, 2016

Percentage: 85.3%

Major Subjects: Biology, Chemistry, Physics

NEW PUNJAB PUBLIC
SENIOR SECONDARY
SCHOOL, LUDHIANA

Secondary Education, 2015

Percentage: 87.2%

Major Subjects: Science, Mathematics, English



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RESEARCH EXPERIENCE

M.Sc. Project: Investigated the pathogenicity of three isolates of *Metarhizium rileyi* against *Spodoptera frugiperda*. *M. rileyi* MTCC 4254 demonstrated the highest pathogenicity and compatibility with *Metarhizium anisopliae* isolate, indicating its potential for biological pest control.

PUBLICATIONS

Compatibility of Entomopathogenic fungus *Metarhizium rileyi* with biorationals

SKILLS

BASIC: AUTOCLAVE



BASIC: ENVIRONMENTAL MONITORING



BASIC: MEDIA PREPARATION



BIO: CULTURE HANDLING



PHARMA: ANTIBIOTIC



GENERAL ENGINEERING: STAINING



WATER: SAMPLING



WATER: WATER ANALYSIS



QUALIFICATIONS

- Proficient in various microbiological techniques including culture methods, staining, growth promoting test (GPT) and microscopy.
- Experience in applying dual antagonist technique for studying interactions between different microbial and fungal species.
- Skilled in performing antibiotic susceptibility testing and interpreting results
- Knowledgeable in preparing solid formulations of fungal biopesticides. Proficient in using statistical tools for analyzing experimental data.
- Advanced skills in Microsoft Office Suite (Word, Excel, PowerPoint).

ACHIEVEMENTS AND AWARDS

- 25th Punjab Science Congress - : Presented a poster titled '*Metarhizium rileyi* compatibility with other mycopesticides and insecticides,' showcasing research findings on microbial pest control

LANGUAGES

HINDI



PUNJABI



ENGLISH



PERSONAL INFORMATION

Date of Birth: 10th December, 1999

Marital Status: Unmarried Nationality:

Indian



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PROFESSIONAL
ATTRIBUTES

- Strong Work Ethic: Dedicated and committed to achieving laboratory goals.
- Punctuality and Sincerity: Reliable and disciplined in meeting deadlines and maintaining schedules.
- Teamwork Skills: Effective collaborator with the ability to work cohesively in a team environment.
- Leadership: Capable of leading projects and guiding team members to achieve common objectives.



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