

Amina Khan

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SUMMARY

Detail-oriented Microbiologist with over 5 years of experience in research and analysis within clinical and environmental microbiology. Proven track record in microbial testing and pathogen identification, utilizing advanced laboratory techniques to improve quality control processes.

EXPERIENCE

Microbiologist

Jan 2022 - Present

BioTech Solutions, San Diego, CA

- Increased accuracy of microbial assays by 30% through the implementation of advanced PCR techniques.
- Reduced lab processing time by 20% by optimizing workflow and introducing automated systems.
- Collaborated on a project that led to the successful identification of a novel pathogen, resulting in a \$150,000 grant for further research.

Microbiology Research Assistant

Jun 2019 - Dec 2021

National Institute of Health, Bethesda, MD

- Conducted microbiological testing on over 500 samples, contributing to a 15% increase in published research findings.
- Developed and validated new protocols for antibiotic susceptibility testing, enhancing lab efficiency by 25%.
- Presented findings at two national conferences, improving the visibility of the research group.

Laboratory Technician

Jul 2018 - May 2019

City Hospital Laboratory, Los Angeles, CA

- Performed routine microbiological analyses, ensuring 98% compliance with health standards.
- Assisted in the development of a new quality control program that improved testing accuracy by 10%.
- Trained 5 new technicians in laboratory protocols and safety procedures.

EDUCATION

Bachelor of Science in Microbiology

May 2018

University of California, San Diego, La Jolla, CA • GPA: 3.7

SKILLS

Technical Skills: PCR Techniques, Microbial Culture Techniques, Antibiotic Susceptibility Testing, Data Analysis

Tools & Frameworks: SPSS, SAS, LabWare LIMS