

Jannepally Shylu

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OBJECTIVE

To contribute to a Quality Control Microbiology role by applying practical laboratory skills such as Gram staining, plating techniques, sterilization, serial dilution, growth promotion testing, and environmental monitoring, along with effective operation of microbiology laboratory equipment. Committed to accurate documentation in compliance with SOPs, GDP, cGMP, and ALCOA++ principles while maintaining strict aseptic practices, safety standards, and regulatory compliance.

EXPERIENCE

Biological E Skill Development Centre, Hyderabad – Microbiologist (QC Trainee)

- Performed Gram staining and plating techniques (streak, spread, pour plate).
- Handled sterilization procedures and serial dilution methods.
- Conducted growth promotion testing and environmental monitoring.
- Worked in clean room environments (ISO 14644 and ISO 14698 basics).
- Prepared microbiological media and operated LAF, BSC, autoclave, incubators, hot air oven, microscope, and colony counter.
- Maintained documentation as per SOPs, GDP, GLP, cGMP, and ALCOA++ principles.

EDUCATION

- M.Sc Biotechnology – Osmania University, Hyderabad (2022–2024) | CGPA: 8.1
- B.Sc Biotechnology – Telangana University, Nizamabad (2018–2021) | CGPA: 9.36
- Intermediate (BiPC) – 82.9%
- SSC – CGPA: 7.7

TECHNICAL SKILLS

- Gram staining
- Plating techniques (streak, spread, pour plate)
- Sterilization (autoclave, hot air oven)
- Media preparation and aseptic techniques
- DNA isolation, PCR, RT-PCR
- Gel electrophoresis
- Primer designing (basic)
- SOP and GDP awareness
- MS Word, Excel, PowerPoint

PROJECT

Association of KCNJ11 Gene Polymorphism in Children with Type 1 Diabetes Mellitus

- Studied the role of the KCNJ11 gene in Type 1 Diabetes.
- Performed DNA isolation using salting-out and spin column methods.
- Applied PCR techniques including PCR, RT-PCR, and ARMS-PCR.
- Analyzed results using gel electrophoresis and RFLP.

INDUSTRIAL VISIT & GUEST LECTURES

- Industrial Visit – Synthochem Labs Private Limited, Pashamylaram, Hyderabad, Telangana (January 8, 2026).
- Gained an overview of pharmaceutical manufacturing processes, QC operations, and GMP practices.
- Attended guest lectures on pharmaceutical microbiology, quality systems, regulatory guidelines, and industry expectations.

SEMINARS & ACHIEVEMENTS

- HLAI in Clinical Practice: Transplant Immunology and Beyond – AIG Hospitals, Hyderabad (2024).
- Unravelling the Genetic Mysteries: Focus on Rare Diseases – Osmania University, Hyderabad (2024).
- Recent Advances in Chemical Sciences – Girraj Govt. College, Nizamabad (2020).

PERSONAL STRENGTHS

- Good analytical and problem-solving skills
- Effective communication and teamwork
- Positive attitude and willingness to learn
- Time management

LANGUAGES

English | Telugu | Hindi