

GARIKA JAHNAVI

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Tirupathi.

Career objective

Detail-oriented Microbiologist with one year of hands-on experience in microbiological techniques, laboratory research, and quality analysis. Seeking a challenging role in a dynamic organization where I can apply my technical expertise, enhance my skills, and contribute to advancing scientific research and organizational growth.

Education

- **Master of Science (M.Sc.) in Microbiology**
Sri Venkateswara University, Tirupati
Graduated: 2024 | Secured **73%**
- **Bachelor of Science(B.sc.MZC)microbiology zoology chemistry**
Sri Venkateswara University, Tirupati
Graduated: 2022 | Secured **80%**
- **Board of Intermediate Education, Andhra Pradesh (BiPC)**
T.M.R. Junior College, Naidupeta
Graduated: 2018 | Secured **89%**
- **Board of secondary Education, Andhra Pradesh**
Sri Chaitanya e techno school, Naidupeta
Graduated: 2016 | Secured **72%**

Professional Experience

Trainee Microbiologist

Sarvotham Care Limited, Hyderabad — [Oct 3rd 2024 – Jan 9th 2026]

- **Laboratory Testing & Analysis:** Performed microbiological testing including media preparation, water analysis, culture maintenance, growth promotion test, environmental monitoring, and microbial identification to support research and quality control.
- **Aseptic Techniques & Sample Handling:** Ensured sterile laboratory conditions while handling biological samples, minimizing contamination risks and maintaining compliance with safety protocols.
- **HPHV (AUTOCLAVE):** Operating High-Pressure High-Vacuum (HPHV) sterilization equipment for effective sterilization of media, glassware, and garments. Performing routine validation tests such as **Vacuum Leak Test** and **Bowie & Dick Test** to ensure system integrity

and sterilization efficiency. Maintaining accurate documentation and following SOPs, and safety guidelines during all sterilization operations.

- **Documentation & Compliance:** Accurately recorded experimental data, prepared comprehensive reports, and adhered to regulatory standards to support quality assurance in microbiological studies.

Technical Skills

- Microbiological Testing & Culture Techniques
- Media Preparation & Sterilization
- Microbial Identification & Water Analysis
- Microbial Limit Test
- Aseptic Techniques & Laboratory Safety
- Documentation & Quality Assurance
- Familiarity with Regulatory Standards
- Growth promotion test analysis and documentation
- Culture maintenance
- Environmental monitoring

Projects / Academic Work

Title: In vitro Screening of Human Cervical Carcinoma (KB-3-1) Cell Line Growth under Treatment with Various Concentrations of Curcumin and Nanocurcumin

Description: Conducted a research project as part of the M.Sc. Microbiology program (3rd Semester), focusing on the in vitro evaluation of cervical carcinoma (KB-3-1) cell line growth when treated with different concentrations of curcumin and nanocurcumin. The study involved cell culture maintenance, treatment optimization, and comparative analysis to assess the potential anticancer properties of curcumin formulations.

Strengths

- Attention to detail and accuracy in laboratory work
- Strong documentation and reporting skills
- Quick adaptability to new techniques and protocols
- Team collaboration in research and quality control environments

Declaration

I hereby declare that the information provided above is true and correct to the best of my knowledge and belief. I take full responsibility for the accuracy of the details mentioned in my curriculum vitae.

Place:

Date:

Signature
(Garika Jahnavi)