

D.Divya Sri

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Profile

Motivated and detail-oriented Biotechnology postgraduate with a strong academic foundation in molecular biology, genetic engineering, microbiology, and bioinformatics. Completed B.Sc. and M.Sc. in Biotechnology with hands-on experience in laboratory techniques such as PCR, ELISA, gel electrophoresis, and cell culture. Demonstrated ability to conduct independent research projects, analyze scientific data, and present findings effectively. Eager to contribute to innovative research and development in the biotechnology or pharmaceutical industry. Strong team player with excellent communication and problem-solving skills.

Education

B.S.C IN BIOTECHNOLOGY|ALPHA ARTS AND SCIENCE COLLEGE (under madras university) |APRIL 2023|FIRST CLASS

M.S.C IN BIOTECHNOLOGY| DR. M.G.R. EDUCATIONAL AND RESEARCH INSTITUTE CHENNAI | JUNE 2025| |FIRST CLASS

Technical Skills

Laboratory Techniques

- Polymerase Chain Reaction (PCR)
- Gel Electrophoresis
- ELISA (Enzyme-Linked Immunosorbent Assay)
- DNA/RNA Extraction
- Spectrophotometry
- Chromatography (HPLC, TLC)
- Centrifugation
- Microscopy (Light, Fluorescence)
- Phytochemical analysis

Microbiology & Cell Culture

- Bacterial Culture & Identification
- Cell Line Maintenance
- Media Preparation
- Antibiotic Sensitivity Testing

Genetic Engineering

- Plasmid Isolation
- Gene Cloning
- Transformation & Transfection
- Western Blotting

Abilities & Strengths

- Strong attention to detail and accuracy
- Ability to follow SOPs and lab protocols
- Good problem-solving and analytical thinking
- Effective communication and teamwork
- Adaptability to lab and field environments
- Time management and multitasking

Training

- MEDOX BIOTECHN ACADEMY TRAINING CENTER – WORKSHOP ON PURIFICATION OF PROTEIN

MSC Final year Project:

- **Title:** Evaluation of Anti-Leukemia Potential of Nutmeg Extract on Leukemia Cell Line
- **Institution:** Dr. MGR Educational and Research Institute
- **Duration:** December 2024 – May 2025
- **Guide:** Dr. K. Gomathi

Description:

Conducted an in-depth study to evaluate the anticancer properties of *Myristica fragrans* (nutmeg) extract on K562 leukemia cell lines. The research involved:

- Phytochemical screening and GC-MS analysis to identify bioactive compounds.
- Antioxidant and anti-inflammatory assays using DPPH and ELISA.
- Cell viability and apoptosis studies including MTT assay, AO/EB staining, flow cytometry, and Annexin V-FITC/PI assay.
- Demonstrated significant cytotoxic and anti-inflammatory effects, suggesting nutmeg's potential as a natural therapeutic agent against leukemia.

Certifications

- National conference on aquatic biotechnology
- National conference on role of artificial intelligence in molecular medicine
- BIOZONE'24

Declaration

I hereby declare that the above information is true to the best of my knowledge.

AVAILABILITY

Ready to relocate immediately.