

JOSEPH IRUDAYAM

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Bangalore



SUMMARY

Passionate about Microbiology, I find fulfillment in inspiring students, creating engaging learning experiences, and fostering a positive classroom environment that promotes a love for learning. Entry-level professional with a degree in Microbiology and proficient in Microbiological Skills with a passion and problem-solving abilities. Seeking an opportunity to contribute and grow within organization.

EDUCATION

Bangalore North University(Bangalore city college)

Course : **M.Sc** Microbiology (2019 - 2021)

CGPA : 8.39/10

Bangalore University(Vijaya college)

B.Sc (Chemistry, Microbiology & Biotechnology) (2015 - 2018)

CGPA : 8.17/10

SKILLS

- **Microbiological skills:** Handling of microbial cultures, microbial identification, Antimicrobial susceptibility testing, colorimetry and turbidometry and other microbiology techniques.
- **Mammalian cell culture techniques:** Aseptic technique, media preparation and handling of different cell lines.
- **Equipment operation:** proficiency with Incubators, biosafety cabinets, microscopes and other cell culture equipments.
- **Molecular biological skills:** PCR, Extraction and isolation of genomic and plasmid DNA, PAGE technique, cloning, transformation, Transfection and pure culture techniques.
- **Purification of proteins:** Batch binding protein purification, Tangential flow filtration, estimation of proteins by using nanodrop and spectrophotometer, SDS-PAGE, imaging and documenting gel protein gel and analysis of protein expression.
- **Adaptability**
- **Presentation skills**

EXPERIENCE

Assistant professor

Padmashree Institute of Management and Science |

Mar 2024 - present

- Teaching undergraduate and graduate courses in microbiology and related fields.
- Developing curriculum, lesson plans and teaching materials.
- Participating in departmental meetings, committees, and other administrative duties.
- Collaborating with colleagues within the department and across disciplines.
- Mentoring and advising students on academic and career matters.

Junior executive

Syngene-Amgen Research Center, Syngene intl ltd |

June 2021 - April 2023

- Preparation and optimization of cell culture media for upstream process.
- Maintenance of Cell lines including HEK cells and CHOK1 cells.
- Preparation of molecular media (broth and agar plates).
- Sterilization of equipments by autoclaving and Dry heat sterilization and reagents by filter sterilization.
- Preparation of buffers and reagents for purification of proteins.
- Running SDS-PAGE for analysis of protein expression.
- Lal assay (endotoxin level determination assay).
- Optimization of media for transfection (Transient transfection and stable transfection).
- Handling of pilot batch of production of protein

CERTIFICATIONS

- Research Education Advancement Programme (Bio-REAP).
- Diploma in advance accountancy (Tally ERP 9).
- Basic leadership camp by NCC.
- Certified Data Science course from Datamites.