

Maha sakthi.A

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📍 6/A annamar kovil street, Thevur (po), Sangagiri (tk)



OBJECTIVE

To leverage 1.10 years of professional teaching experience in Biotechnology and Pharmaceutics to inspire the next generation of healthcare leaders. Having successfully managed diverse classroom environments and laboratory research, I offer a blend of academic distinction and practical pedagogical skills. I seek to contribute to a forward-thinking institution where my passion for biopharmaceutical innovation and commitment to student success can make a tangible impact

Education

SECONDARY SCHOOL LEAVING CERTIFICATE

2016 | Namakkal, India

*SSM lakshmi ammal matric higher secondary school
komarapalayam*
93.6%

HIGHER SECONDARY SCHOOL CERTIFICATE

2018 | Namakkal, India

*SSM lakshmi ammal matric higher secondary school
komarapalayam*
77.8%

BACHELOR OF PHARMACY

2018 – 2022 | Ooty, India

JSS college of pharmacy
7.72 CGPA

MASTER OF PHARMACY (PHARMACEUTICAL BIOTECHNOLOGY)

2022 – 2024 | Ooty, India

JSS college of pharmacy
9.38 CGPA

Internship

Research & Development

October 2023 – February 2024

Radiant Researchers, Bangalore

Completed internship at radiant research services private limited.

I have been able to gain hands on experience in various departments of the research lab which includes drug testing laboratory, microbiology, pharmacology and toxicology and project management.

Skills

Microbiology and tissue Culture Techniques: — Fumigation of Laboratory, Sterilization, Filtration techniques, Aseptic | techniques in a laminar flow hood, Pure Culture | Techniques, | Bacteriological Examination of Water, | and serial Dilution method, Isolation and | Pharmaceutical preparation: Sterility test, Microbial Load, Endotoxin test, Tissue | culture: Primary Cell Culture, Subculturing and Passaging of Cell Lines, | Cytotoxicity Assay by MTT Assay

Molecular Biology Techniques: — Isolation and | purification of DNA, Isolation and purification, | identification, and characterization of Protein, | SDS-PAGE, | Preparation and Separation of DNA – Agarose gel | electrophoresis, Western blotting, PCR working and | programming | Instruments: Polymerase Chain Reaction (PCR) | machine, Gel electrophoresis apparatus, Microplate | reader, Spectrophotometer, Confocal microscope, | Inverted microscope, Centrifuge.

drug testing —

Inhibitory activity of mushroom tyrosine assay, specific gravity ,antioxidant activity of DPPH, ABTS ,total sugars. refractive index, pH, total ash.

Subjects handled

- I. Pharmaceutical Microbiology, Pharmaceutical Biotechnology
- II. Biochemistry
- III. Social pharmacy
- IV. Hospital and Clinical Pharmacy
- V. Community Pharmacy and management

Projects

UG- THE CURRENT DEFICIENCIES IN SCHEDULE Y

The clinical trial regulations in United states, Europe and India.

To Study in detail about the condition of Clinical trial, to learn basic principles about the regulation guidelines adopted in different countries for conduction of clinical practices.

PG- Assessment and evaluation of Luteolin for In-silico, Antioxidant and Invitro anticancer Activities in Human Cervix Adenocarcinoma (HeLa) Cell Line

To determine whether the test substance is producing activity against cervical cancer by using various assay like cell cycle analysis, DNA fragmentation, mtt assay, DNA damage, apoptosis and also identified that it targets p53 protein of cervical cancer by using pcr and western blotting

Languages

Tamil

English

Personal details

- Date of Birth :11/10/2001
- Martial Status :Single
- Nationality :Indian
- Gender :Female

COMPUTER SKILL

Microsoft office (Excel, Word, Powerpoint)

Certification

- Workshop on Monoclonal antibodies, an emerging era in biologicals: Principles of production, applications in immunodiagnostics and therapeutics Hands-on training in monoclonal antibodies.
- Participated in 7th national level quiz competition.
- Program on MBA HOSPITAL MANAGEMENT Good manufacturing practices program Nano technology and nano medicine revolution and challenges. National conference on RECENT ADVANCES IN LIFE SCIENCES TOWARDS HEALTH CARE.
- Career development program.
- International conference on "The preclinical research paradigm for revamped infectious diseases.
- National Workshop on "Desktop to Benchtop" exploring the journey of molecule from insilico to in vivo.
- International conference on "Global collaboration in pharmaceuticals-bridging borders, breaking barriers

Publication

- 1) Progress and application of wearable devices in oncology: An In-depth review of biosensors, cancer detection, and patient care
- 2) Reviewing the therapeutic potential of myricetin in diabetes and neurodegeneration
- 3) From attachment to dispersion : understanding protein-mediated dynamics n staphylococcus aureus biofilms via protein pathways in staphylococcus aureus biofilm dispersion: insights from lab- scale experimental model

Declaration

I hereby submit that all of the information is correct to the best of my Knowledge and belief.

Maha sakthi.A
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