

MAGESHNITHYAGURU .E

MSc Biotechnology

Contact:

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8903523083

Objective:

I would like to be an element of innovation in this company which is creating a better tomorrow for everyone.

Professional summary:

A self-initiated biotechnology Postgraduate with a record of providing great research skills, comprehensive knowledge, all standards and regulations of in fast- paced laboratory environment. Able to combine current academic knowledge and theoretical training with practical experience to provide solution oriented service. A great motivator who thrives off positive result and seeks opportunities to continue learning and growing. Demonstrates good problem solving skills by responding quickly to problems and generate effective solutions. Excellent work ethic, motivated to perform both individually and in a team context. Maintaining a thorough grasp of industry trends and research innovations .

Educational qualification

- 2014, **Secondary school, Percentage-97**, Devangar Higher Secondary School, Virudhunagar,INDIA
- 2016, **Higher secondary, Percentage-84**, Sri sowdambika convent matriculation higher secondary school, Virudhunagar, INDIA
- 2019 , **B.Sc Biotechnology, CGPA-8.48** Madurai Kamarajar University, Thiagarajar college,Madurai, INDIA
- 2021, **M.Sc Biotechnology, CGPA-9.13** SRM Institute of Science and Technology, Chennai, INDIA

Conferences and workshops

- 2018- Participated in 2 days of "**National Conference on Advanced Bio Chem Development**"- Sri Sarada Niketan College for Women, Amaravathipudur,Karaikudi,INDIA.

- 2020- participated in **One day international conference on "Importance of Microorganisms in Research- ICIMR-2020** organized by IQAC and Department of Microbiology, Annai Violet Arts and Science college, Ambattur, Chennai.
- 2021- Participated in 2 days of “**National Conference on Integrated Biotechnological Tools and Concepts-IBTC** organized by Department of Biotechnology, College of Science and Humanities, SRM Institute of Science and Technology, Kattankulathur, Chennai-603203.

Area of Interest

Molecularbiology,immunology,GeneticEngineering,Microbiology,Bioinformatics,Plant Biotechnology, Animal biotechnology

Technical skills

- Molecular biology: Gel electrophoresis, DNA and RNA extraction
- Bioinformatics: BLAST, UNIPROT, NJ PLOT, LOCAL AND GLOBAL ALIGNMENT, NCBI , CLUSTAL-X,ORF,SWISS MODEL,SWISS DOCK, Autodock
- Bio Processing: Fermentation of Wine and Sauerkraut
- Immunology: ODD, Countercurrent, Chromatography
- Microbiology and Plant Tissue Culture Techniques

Project work

UNDERGRADUATE WORK-2018 (Thiagarajar college)

Screening of methanolic and aqueous extracts of *Aegle marmelos* for Phenolics and Flavanoid.

- Collection of *Aegle marmelos* from different locations
- Extraction of Phenolics and Flavanoid using Hot water and Methanol
- Analysis and Quantification under Calorimeter and Spectrophotometer.
- Comparison using triplet of the source to get the suitable isolation medium.

POSTGRADUATE WORK-2021 (SRM Institute of Science and Technology)

In vitro and In silico analysis of bio-active compounds in ethanolic extract of Black garlic against ALT and AST.

- Sample extraction-black garlic extract(ethanol extract)
- Qualitative analysis-GC-MS was done to identify the compounds present in the extract.
- Quantitaive analysis- HPLC was done to check the purity of the compound present in the extract.
- Molecular docking- protein ligand docking was done to check the binding value of the compound to the ALT and AST

- Nanoparticle synthesis- silver nanoparticles production and encapsulation for the delivery of the compound.

Communication skills:

- Effective verbal communication
- Project writing and presentation skills
- Good in seminars using simple and plain language

Other skill:

- Corodinator- Placement Coordinator-Thiagarajar college(2019)
- Leadership-Class pupil leader-SRM Institute of Technology(2020)

Hobbies:

Cricket
Traveling
Karate

Declaration:

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

Place: Chennai.

Reference:

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