

Ramachandiran M

M.Sc. Biotechnology

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ramachandiran2811@gmail.com

CAREER OBJECTIVE

Aspiring life science researcher with interest in microbiology, natural bioactive compounds, and computational biology. Seeking an opportunity to contribute to biomedical research through laboratory experimentation and data analysis.

EDUCATION

BHARATHIAR UNIVERSITY (2021 - 2024)

B.Sc. zoology
[Chikkanna Govt. arts college]

BHARATHIAR UNIVERSITY (2024 - 2026)

M.Sc. Biotechnology
Hindusthan College of Arts and Science

STATE BOARD OF TAMILNADU (2018 - 2021)

SSCL and HCL
[Model School]

SKILLS

- in silico analysis
- Molecular Docking
- PCR
- Natural product extraction from natural sources
- Microbiology
- Molecular Biology

PROJECTS

1.EXTRACTION OF THYMOQUINONE FROM NIGELLA SATIVA: BIOLOGICAL EVALUATION AND IN SILICO ASSESSMENT OF THYROID HORMONE RECEPTOR ALPHA MODULATION IN COMBINATION WITH LEVOTHYROXINE

- EXTRACTION OF THYMOQUINONE FROM NIGELLA SATIVA SEEDS.
- STUDY OF BIOLOGICAL ACTIVITY OF THE EXTRACTED COMPOUND.
- MOLECULAR DOCKING STUDIES TO EVALUATE INTERACTION WITH THYROID HORMONE RECEPTOR ALPHA.
- ASSESSMENT OF POTENTIAL SYNERGISTIC EFFECTS WITH LEVOTHYROXINE.

GUIDED BY DR. G. RAJALAKSHMI, HEAD OF THE DEPARTMENT, HINDUSTHAN COLLEGE OF ARTS AND SCIENCE, COIMBATORE - 641 028
PHONE NUMBER : +91 9894828431

2.EXTRACTION AND CHARACTERIZATION OF EXOPOLYSACCHARIDES FROM FISH GUT BACTERIA

- Isolation of bacteria from fish gut samples.
- Production and extraction of exopolysaccharides (EPS) from bacterial cultures.
- Purification using ethanol precipitation and dialysis.
- Carbohydrate estimation using Phenol-Sulphuric Acid assay.
- Evaluation of antioxidant potential using DPPH assay.

GUIDED BY DR.V.Gopikrishnan, Assistant Professor (Research), Center for Drug Discovery and Development, Sathyabama Institute of Science and Technology, Chennai-600 119
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Email id : gopikrishnan.cddd@sathyabama.ac.in

CERTIFICATES

- Internship Certificate on Microbial Bioinformatics Organized by Department of Biochemistry, Biotechnology and Bioinformatics, Avinashilingam Institute for home science and higher education for women, Coimbatore -641 048
- workshop on Micro Amylase production, DNS Based Glucose test, by Centre For Bioscience and Nanoscience Research(CBNR), Coimbatore -641 021
- Hands on Training program in PCR Technique, by Dogma Centre For Life Sciences, salem -636 004
- Project illustration on computational Drug Design Organized by Biopharma Solution, Coimbatore - 641 105

LANGUAGES [READ,WRITE AND SPEAKING]

Tamil

English