

GAYATHRI JAYAN

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OBJECTIVE

Seeking a challenging opportunity at your organization where I can apply my knowledge, skills, and passion for research to contribute to scientific advancements and the development of innovative solutions.

EDUCATION

- **St. Joseph's College, University of Calicut** 2021-2023
MSc General Biotechnology
4.59/ 5
- **Nehru Arts and Science College, Bharathiar University** 2018-2021
BSc Microbiology with Nanotechnology
8.57/10
- **Lakshmi Narayana Vidhyanikethan, CBSE** 2017-2018
12TH
8.44/10
- **Lakshmi Narayana Vidhyanikethan, CBSE** 2015-2016
10TH
8.8/10

PROJECT

- **Clinical Genetics and Bioinformatics:-**
 - Directs to develop a productive assay to detect SNP, as a primitive diagnostic of disorder, Galactosemia .
 - Designing specific primers for target region of GALT gene (Exon 6).
 - Future perspective - Precision medicine/ Improved diet plan.
 - Reliable and cost effective method

SKILLS

- Molecular Techniques and Analytical Instrumentations
- Bioinformatics tools and softwares
- Data analysis and interpretation
- Time management and critical decision making

INTERNSHIPS

- ◦ Food Microbiology and Molecular biology (2020)

Unibiosys Biotech Research Labs, Kochi

Techniques - DNA isolation of *Salmonella spp.*, Polymerase chain reaction and its 16srRNA sequencing.

- Culture techniques, Lipid and Chlorophyll from Microalgae (Marine Chlorella), Extraction of antioxidants from *Azadirachta indica* (2021)

Scire Science Research Labs, Kochi

Techniques- Biochemical tests, Phytochemical analysis, Refractometer, Media Preparation, cell counting using Haemocytometer.

ACHIEVEMENTS

- ◦ Secured 5th Rank in Bachelor's from Bharathiar University for 2018-2021 batch.
- Completed a NPTEL online certification for 4 weeks (2021) on the topic "An introduction to Cardiovascular fluid mechanics" by IIT Guwahati.