

HONEY MARIYA JOHN

Life science

Email

honeymariya211@gmail.com

Phone

+91 9847369475

CAREER OBJECTIVE

To start a career in a challenging and growth oriented organization to effectively use skills and knowledge as a professional to achieve greater heights and recognition in career

EXPERIENCE

Internship-Food microbiology and molecular Biology

UniBiosys Biotech Research Labs
ISO 9001:2015 certified laboratory
20 November 2023- 5 December 2023

- Isolated pure microbial colonies from the sample.
- Conducted different types of media preparation , culturing of different types of microbes and streaking methods.
- Maintained aseptic environment.
- performed Gram staining and IMvic test.
- Conducted genomic DNA isolation and PCR for identification of microorganisms.
- Analyzed results and prepared reports based on their findings.

M.Sc Project
Department of Biotechnology, University of Kerala
2022

Comparison and characterization of antifungal components from *gliricidia sepium*, *senna lalata*, and *cassia tora*

- Analyzed and characterized antifungal components in leaf extracts through application of Biochemistry, Microbiology, and biophysics methods.
- Studied antifungal activity of each component separated through Thin Layer Chromatography.
- Characterized bioactive components through FTIR.

B.Sc project
C. M. S College, Kottayam
2020

Antibacterial property of *Myristica fragrans*

- Analyzed antibacterial property of various parts of *Myristica fragrans* against various pathogenic bacteria.

SKILLS

- Isolation of microorganisms from food, air and water samples
- Methylene blue reductase test
- Bacteriological estimation of water by multiple tube fermentation technique
- Microbial Growth kinetics
- Gram staining
- IMvic Test
- Polymerase Chain Reaction (PCR)
- Nucleic acid isolation
- Agarose Gel electrophoresis
- Widal test
- Single radial immunodiffusion
- Ouchterlony double diffusion
- Immunoelectrophoresis
- Dot Elisa
- Colour reactions of carbohydrates, Amino acids, and protein
- Estimation of protein by Biuret, Lowry's and UV absorbance method.
- Estimation of Glucose by DNS method
- Good laboratory practice

ADDITIONAL QUALIFICATIONS

Workshop on conservation, cultivation and sustainable utilization of medicinal plants

October 11,2022

EDUCATION

Qualifications	Name of the institute	Percentage of marks
M.Sc Biotechnology	Department of Biotechnology, University of Kerala, Thiruvananthapuram	78% (2022)
B.Sc Botany	C. M. S college, Kottayam	73 % (2020)
XII	A.J. John memorial girl's higher secondary school	75.5% (2017)
X	V. H. S. S Brahmamangalam	92 % (2015)

National webinar on advances in industrial biotechnology

February 3-4, 2022

Certification in medicinal and ornamental plants.

March 2018- march 2020

LANGUAGE

English
Malayalam