

SRUTHY V AJAY BSc. Zoology, Postgraduate in Biotechnology

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To work for challenging and stimulating environment with good scope of growth and career development with a total communication for excellence this changes my calibre. To work with full strength in dynamic organization which provides new challenge that help to add value to the organizations and the individuals. Seeking a challenging career to value on time performance, where I can enhance my working skills, strength and experience which helps achieving target.

WORK HISTORY

- Worked as Research Associate at **LIFELINE MCS SOLUTIONS** Training Centre, Thiruvananthapuram, Kerala.
 - Prompt Engineering, ChatGPT, Bard, Infographics, Computer Networking, Research Skills, Computer Literacy.

- Worked as Technical Officer (Three months Retainer ship basis) at **SANDOR MEDICAIDS PRIVATE LIMITED**, Cochin, Kerala.
 - Has done RT- PCR testing and Antigen Testing.
 - Has also done DNA Extraction, RNA Extraction, Data Entry, Billing, Result Releasing, Using of Company Software.

- Has completed a course on **GOOD CLINICAL PRACTICE ICH GCP for Clinical Research** in the month of September 2022 which was conducted by Magine Solutions Team on UDEMY.

➤ Worked as Junior Molecular Biologist in **DIANOVA LABORATORIES**, Elamkulam, Ernakulam, Kerala.

- Has done RT-PCR test analyses DNA through a swab sample from the nose or throat to check for COVID-19 infection. RT-PCR (Reverse Transcription Polymerase Chain Reaction).
- Has also worked on Rapid antigen tests (sometimes known as a rapid diagnostic test – RDT) detect viral proteins (known as antigens).

➤ Completed thesis and dissertation work on “**A Study on the efficiency of Probiotic *Lactobacillus* species to inhibit multi-drug resistant bacteria**” from Tropical Institute of Ecological Sciences (TIES), Ecological Research Campus, Kottayam on May 2021.

- The *Lactobacillus* genus consists of a rod- shaped, Gram- positive, non- spore forming, non- pigmented, catalase negative and microaerophilic to strictly anaerobic lactic acid bacteria, that have widespread use in fermented food production.
- In this present study, *Lactobacillus sp.* was isolated from four different samples and were identified based on colony morphogenesis and some biochemical tests. The isolates were able to produce bacteriocins and was tested for antimicrobial activity against multi- drug resistant bacteria.

➤ Completed thesis and dissertation work on “**Extraction and Estimation of Carotenoids from Four Species of Shrimps**” from Alphonsa College, Pala in February 2019.

- Carotenoids play a major role in commercial aquaculture. Carotenoids are responsible for pigmentation of muscle in food fish and skin colour in ornamental fish.

- The aim of this study was to extract and estimate the carotenoid pigment from four different shrimp species (*Macrobrachium rosenbergii*, *Parapenaeopsis stylifera*, *Metapenaeus dobsoni* and *Aristeus alcoki*).
- Carotenoids were extracted from shrimp waste and fillet by ethanolic extraction. Maximum carotenoid was observed using colorimeter. Among the four species studied, the fillet extract of *Metapenaeus dobsoni* shows highest amount of carotenoid while the waste extract was highest in *Aristeus alcoki*.
- In the diets of fish for which pigmentation is important, synthetic and natural carotenoid source are included. The pigment is also considered in medical and biomedical studies and its application due to its biological function as a vitamin A precursor and its high antioxidative effects. Pigmentation is one of the important quality attributes of the aquatic animal for consumer acceptability.

CREDENTIALS

EDUCATION

- ❖ Bachelor of Science in Zoology 2019 from **Alphonsa College, Pala**, Kottayam, Kerala under Mahatma Gandhi University Kottayam.
- ❖ Master of Science in Biotechnology 2021 from **Sree Narayana Arts and Science College, Kumarakom**, Kottayam, Kerala under Mahatma Gandhi University Kottayam.

REFERENCE

- Dr Sheetal Sivankutty, Assistant Professor, Department of Microbiology, Sree Narayana Arts and Science College, Kumarakom, Kottayam, Kerala. Mobile No: 9495436705, Mail Id: sheethumgu@gmail.com
- Ms. Teena James, Assistant Professor, Department of Zoology, Alphonsa College, Pala, Kottayam, Kerala. Mobile No: 8281778850, Mail Id: teenamanu@alphonsacollege.in
- Ms. Amrutha Mohan, Molecular Biologist, Department of Molecular Biology, Dianova Diagnostic Centre, Ernakulam, Kerala. Mobile No: 8547778123, Mail Id: amruthamohan91@gmail.com

AFFIRMATION

I hereby declare that all the above cited information is true and correct to the best of my knowledge, belief, and records.

Place: Kerala

Date: 06-01-2024

Yours Faithfully,

Sruthy V Ajay