

ARYA MOHAN

RESEARCH SCHOLAR

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SUMMARY

A post graduate in Life Science (Zoology) with 3 years of hands-on experience in Viral Research and Development Laboratory and BSL-2 facility. Currently working in whole genome sequencing of SARSCoV-2 as a part of PhD work.

EXPERIENCE

LAB TECHNICIAN - IUCBR & SSH

Nov 2022 – Present

cDNA synthesis, Fluometric assay (Qubit 4), Spectrophotometry, Next Generation Sequencing

RESEARCH TRAINEE-IUCBR & SSH

June 2022 - Oct 2022

Research proposal writing and manuscript writing. RT-PCR diagnosis of SARS CoV-2

RESEARCH OFFICER-IUCBR&SSH

June 2020 - May 2022

Molecular techniques including nucleic acid isolation and purification, Quantitative PCR, Real time PCR. BSL-2 lab with biosafety cabinet with and without viral burnout.

RESEARCH FELLOW-IUCBR & SSH

Oct 2019 - May 2020

Protein and Immunological techniques including, ELISA, western blotting, SDS-PAGE and primer designing. Basic mice handling techniques and animal behavioural assays like rota rod, beam balance and animal treadmill

Trainee-National Institute of Fisheries Post Harvest Technology and Training, Kochi, Kerala *Nov 2019*

One month On-Job Training

EDUCATION

MSc.Zoology

Nov 2017 - May 2019

Mar Thoma college, Tiruvalla, Pathanamthitta

CGPA : 3.2/4

MSc Thesis: i) Comparison of Protein and Carbohydrate content of *Anabas testudineus* collected from Integrated farming systems

ii) Ichthyofauna of Kumarakom Area of Vembanad Lake in Kottayam District, Kerala

BSc Zoology

Government college, Kottayam

Jul 2014 - Mar 2017

CGPA: 8.34/10

Vocational core course: Aquaculture, Complementary course : Botany , Open course : Human rights in India

Secured Ninth Position in Under Graduate Level B.Sc. Model II Zoology (Aquaculture) CBCSS examination held in March 2017 PRN: 140021100585

PLUS TWO

St. Ann's Higher Secondary School, Kottayam

Aug 2010 - Mar 2012

Optional subjects: Physics, Chemistry, Biology and Mathematics

SSLC

High School Parippu, Kottayam

Jun 2005 - May 2010

PROJECTS

Comparison of Protein and Carbohydrate content of *Anabas testudineus* collected from Integrated farming systems

Jul 2018 - Jan 2019

A comparative study of protein and carbohydrate of fishes from integrated fish farming systems and from a culture pond guided by Dr. Raju K Thomas, Assistant Professor, Mar Thoma College, Tiruvalla. The study shows that the protein content of fish collected from Duck-cum-fish culture system and culture pond is almost same but the fish from paddy-cum-fish culture contains only half amount of protein than the other two. But the carbohydrate content seems to be almost same in both fishes from integrated farming system and it is less in fish from culture pond.

Ichthyofauna of Kumarakom Area of Vembanad Lake in Kottayam District, Kerala

Jul 2018 - Jan 2019

The status of fin fish diversity in Vembanad Lake at Kumarakom region of Kottayam district in Kerala was investigated (guided by Dr. Raju K Thomas, Assistant Professor, Mar Thoma College, Tiruvalla). A total of 26 species of fishes belonging to 8 orders, 16 families and 19 genera were recorded.

A comparative study of spin column based and magnetic bead based RNA extraction methods of SARS COV -2

Mar 2022 - Apr 2022

Research Guide: Dr. Chandni Praveen, Virology Research and Diagnostic Centre Inter University Centre for Biomedical Research, 2022

This study was designed to assess the hypothesis that the spin-column based RNA extraction method is more efficient than the magnetic bead based RNA extraction method. And the results proved the hypothesis.

SKILLS

- Viral Research and Development Laboratory and BSL-2 facility
 - Diploma in Computer Application
 - Certified Banking and Finance Professional
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LANGUAGES

- English
 - Malayalam
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SEMINARS

1. National Research Conference titled 'Bioradiance 2017: Demystifying Biostatistics, Organized by Pushpagiri Research Center at Pushpagiri Medical College Hospital campus, 2017 as delegate

2. Organizing committee member in International seminar on “Re-visit on Coastal Challenges” held at Dept. of Zoology, Mar Thoma College, Tiruvalla, Pathanamthitta, 2018

REFERRAL

Dr.Goutam Chandra

Senior Scientist

Inter University Centre for Biomedical Research and Super Specialty Hospital, (Govt.of Kerala), MG University campus at Thalappady, Rubber Board PO, Kottayam, Kerala-686009

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