

○ **SAJINI S.**



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Objective

To work individually and/ or with a group to obtain a responsible and challenging position where my education and professional background can be utilized for the progress of the organization.

Professional Qualification

- **Masters Degree in Biotechnology** (75%) from Hindusthan College of Arts and Science, Coimbatore, Tamil Nadu affiliated to Bharathiar University during 2007-2009.
- **Bachelors Degree in Zoology** (86%) from Sacred Heart College, Thevara, Kerala affiliated to Mahatma Gandhi University during 2004-2007.

Academic Background

- **XII** - CBSE, from Vidyodaya School, Thevakkal, Kochi, Kerala with 68.4% in 2004.
- **X** - CBSE, from Vidyodaya School, Thevakkal, Kochi, Kerala with 83% in 2002.

Professional Experience

- **Current Employer:** Molecular Lab,
Dr. LalPathlabs, MG Road, Cochin (NABL Accredited)
Designation: Lab Supervisor
Duration: Oct 2020 to till date.

Job Profile:

- ✓ Result Interpretation of RT PCR based Molecular Tests & GeneXpert.
- ✓ Establishments of new tests in the Lab
- ✓ PCR Programming & Protocol Set ups
- ✓ Supervision of Lab Technicians.
- ✓ Authentication and releasing of Test Results
- ✓ Stock Inventory.

- **Organization 1:** Molecular Biology Lab (NABL Accredited)
Medivision Scan and Diagnostic Centre, Ravipuram, Cochin.
Designation : Molecular Biologist
Duration : May 2020 to Oct 2020.

Job Profile :

- ✓ Result Interpretation of RT PCR based Molecular Tests such as Infectious Diseases (Covid 19, BKV, HBV, HCV), Cancer Genetics etc
- ✓ Establishments of new tests in the Lab, PCR Programming,
- ✓ Protocol Set ups, Supervision of Lab Technicians.
- ✓ Authentication and releasing of Test Results.

- **Organization 2 :** Molecular Biology Lab (NABL Accredited)
Amrita Institute of Medical Sciences, Kochi
Designation : Scientific Assistant
Duration : From Oct 2009 - Oct 2012.
Rejoined- from March 2018- April 2020.

Job Profile

- ✓ Perform routine Molecular Diagnostic Tests such as HLA Tissue Typing, Serological Crossmatch, Gene Testing, Infectious Diseases, Sequencing (as per SOP)
- ✓ Indenting and Annual stock checking of lab supplies.
- ✓ Preparation of Lab for NABL Audit.

Publication

Sajini Sivasundar, Akash Thomas Oommen, Ohm Prakash, Sujatha Baskaran, Raja Biswas, Shantikumar Nair, C. Gopi Mohan, Lalitha Biswas. Molecular defect of Prothrombin Amrita: Substitution of Arginine by Glutamine (Arg553 to Gln) near the Na⁺ Binding Loop of Prothrombin. **Blood Cells, Molecules, and Diseases**, Volume 50, Number 3, p.182-183 (2013) (Impact factor: 2.36).

Detailed Work Profile at Medivision

- Interpretation and Reporting of RT PCR results of Sars-Covid 19, HBV, HCV, CMV.
- Guides and Supervises Technicians in Sample Processing, Extraction and PCR Set up.
- Checks Stocks, Indents.
- PCR conditions Programming in PCR machines.

Detailed Work Profile at AIMS

- DNA/ RNA Isolation
- cDNA Synthesis
- HLA Tissue Typing of A-B-DR, ABC-DP-DR-DQ for renal, hepatic and bone marrow transplant by Sequence Specific Priming (SSP) and Sequence Based Typing (SBT).
- Serological Lymphocyte crossmatch for organ transplantation.

- CMV, HCV, HBV, EBV Quantification by Real Time PCR.
- Molecular Diagnosis of MTB, CMV, HBV, HCV, EBV, HSV by Qualitative PCR
- Mutation detection of Venous Thrombosis Panel(blood clotting factors) & JAK2 (V617F) (cancer diagnosis) by RFLP.
- Mutation detection by Sanger Sequencing Method.
- HLA B27 Analysis for detection of rheumatoid arthritis.
- Plasminogen Activator Inhibitor (PAI) Detection by PCR.
- Pharmacogenomics (DPD, Warfarin, TPMT)

Equipments Used

- Genetic Analyzer 3500
- RT PCR Instrument-Rotor Gene Q
- Eppendorf, Veriti PCRs
- Inverted Fluorescent Microscope
- QIAcube
- Kingfisher Flex
- Quantstudio 5.0
- Biorad CFX96
- Zymobio Automated Extractor

MSc Project Details

RAPD Fingerprinting of Tulsi, Jan 2009- March 2009, Molecular Biology Lab, University of Agricultural Sciences, Hebbal, Bangalore.

Personal Profile

Name : Sajini S
Date of Birth : 06/08/1986
Gender : Female
Husband's Name : R. Praveen Kumar
Languages Known : English, Malayalam, Hindi, Tamil
Interests : Reading, Music, Dance, Travelling
Address : 32/773, Sreedhari, Poysha Road, AIMS P.O. Cochin-682041

References

- a) Dr. Lalitha Biswas
Assistant Professor
Department of Molecular Medicine & Nanosciences
Amrita Institute of Medical Sciences and Research Centre, Cochin.
Ph: 0484-2801234-8722
- b) Dr. Sujatha Baskaran
Former Associate Professor
Department of Molecular Biology
Amrita Institute of Medical Sciences and Research Centre, Cochin
Currently, HOD of Molecular Diagnostics Lab, KMCH, Coimbatore.
Ph: 07373758568
- c) Dr. Tanya Tony Mampilly
Former Microbiologist & Lab Director
Medivision Scan & Diagnostic Research Centre, Ravipuram, Cochin
- d) Dr. Renjini Joseph
Former Consultant Microbiologist
Dr. Lal Pathlabs

Declaration

I hereby declare that the above furnished details are authentic and true to the best of my knowledge and belief.

Edappally

SAJINI S