

YAMINI B

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CHENNAI

SUMMARY

Currently completed MSc Molecular Virology at the King Institute of Preventive Medicine and Research, Chennai. Actively seeking opportunities in the clinical research field as a research assistant to contribute skills, learn, and grow professionally while adding value to the organization.

EDUCATION

MSc Molecular Virology (73%)

KING INSTITUTE OF PREVENTIVE MEDICINE AND RESEARCH, CHENNAI **2023-2025**

BSc Microbiology (78%)

2022-2023

ETHIRAJ COLLEGE FOR WOMEN ,CHENNAI

MASTER'S DISSERTATION

"PREVALANCE OF EPSTEIN BARR VIRUS IN PATIENTS WITH HEMATOLOGICAL MALIGNANCIES AND HEMATOLOGICAL DISORDERS"

- Collected serum and plasma samples from patients with hematological malignancies and hematological conditions like Acute lymphoblastic leukemia ,Hodgkin lymphoma , infectious mononucleosis etc by IgM and IgG ELISA and PCR techniques

INTERNSHIP

Gleaneagles Health city, Chennai

- Assisted in tuberculosis diagnostics and biochemical testing.
- Supported microbial identification and sterile sample preparation

Elixir Diagnostic Centre, Chennai

- Performed ELISA, PCR, and molecular diagnostics on clinical bacterial samples.
- Assisted in sample processing and ensured traceable documentation.

Metropolis Healthcare Limited, Chennai

- Trained in Microbiology, Biochemistry ,Hematology and Histopathology

CERTIFICATION

- **Certified in Good Clinical Practice (GCP)** by **National Institute on Drug Abuse (NIDA)** Clinical Trials Network, June 2025.
- Hands-on workshop on **‘Viral Diagnostic Methods’** conducted by **Viral Research and Diagnostic Laboratory (VRDL)**, Institute of Microbiology, **Madurai Medical College**, Madurai.
- Participation in National Hybrid Conference **CHET IMMUNOCON** January 2025
- 5 days offline training on **Basic Epidemiology and Biostatistics** at **ICMR- National Institute of Epidemiology**, Chennai.
- 5 days offline training on **‘Public health Entomology’** organized by **The Department of Public Health and Preventive Medicine** at **Institute of Vector Control and Zoonoses**, Hosur.
- Value added course on **Medical Laboratory Technology- Microbiology And Biochemistry**

SKILLS

Molecular Biology & Immunology

- PCR techniques, including optimization and troubleshooting.
- Experienced in primer design for gene-specific amplification.
- ELISA and card-based immunoassays.
- Familiar with HLA typing procedures and analysis.
- Hands-on experience with immunofluorescence staining and microscopy
- DNA and RNA extraction

Cell & Tissue Culture

- Expertise in animal cell culture techniques under sterile conditions.
- Maintenance, subculturing, cryopreservation, and contamination control.
- Application of tissue culture in drug testing and virus propagation.

Clinical Analysis

- Competent in sample preparation, pipetting, centrifugation, and assay setup.
- Accurate reporting and interpretation of test results.

Microbiology & Bacteriology

- Isolation, culturing, and identification of bacteria.
- Media preparation (selective, differential, and enrichment types).
- Sterilization techniques and aseptic handling of microbial cultures.

Other Professional Skills

- Basic bioinformatics knowledge for primer and sequence analysis.
- Adherence to GLP, biosafety, and quality control standards.
- Proficient in laboratory documentation and result reporting.
- Teamwork in clinical, research, or diagnostic lab settings.
- Working knowledge of MS Office, especially Excel for data management.