

Fathima Arka Latheef

Bachelor's Degree in Biomedical Science(R)

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PROFESSIONAL SUMMARY

I am Fathima Arka, currently pursuing a BSc (Hons) in Biomedical Science. My studies have equipped me with a strong foundation in biological sciences, laboratory techniques, and research methodologies. I am passionate about understanding the complexities of human health and disease, and I am eager to apply my knowledge in real-world settings to contribute to advancements in the biomedical field. I am committed to continuous learning and am enthusiastic about gaining hands-on experience through internships and research opportunities.

LABORATORY SKILLS AND PROFICIENCIES

- **Specimen Collection:** Expertise in urine specimen collection and blood sample collection using venipuncture techniques.
- **Clinical Testing:** Skilled in conducting urine full reports, urine culture, stool culture, full blood count (FBC), erythrocyte sedimentation rate (ESR), serological tests, microbiological tests, and biochemical tests, blood film preparations.
- **Microbiological Techniques:** Proficient in microbiological stainings, and culture techniques.
- **Chemical Analysis:** Experienced in titrations and chromatography methods.
- **Instrumentation Handling:** Competent in operating laboratory equipment, including microscopes, autoclaves, spectrophotometers, hot air ovens, and biosafety cabinets.
- **Laboratory Operations:** Knowledgeable in waste management protocols, ensuring proper disposal of biological and chemical materials in compliance with safety standards.

ACADEMIC KNOWLEDGE AND EXPERTISE

- **Anatomy and Physiology:** Comprehensive understanding of human anatomy and physiological functions.
- **Laboratory Safety and Practices:** Well-versed in lab safety protocols and standard operating procedures.
- **Chemistry and Biochemistry:** Strong foundation in basic chemistry, biochemistry, and clinical biochemistry.
- **Microbiology:** Proficient in general and systemic microbiology, parasitology, and applied medical microbiology.
- **Pathology:** In-depth knowledge of general pathology and systemic pathology.
- **Hematology:** Skilled in basic and applied hematology techniques and principles.
- **Immunology:** Understanding of immune system functions and related diagnostic methodologies.
- **Pharmacology:** Basic knowledge of pharmacological principles and applications.
- **Instrumentation:** Familiarity with laboratory instrumentation and its applications in diagnostics and research.

SKILLS

- **Laboratory Techniques and Protocols**
- **Data Analysis and Interpretation**
- **Scientific Writing and Presentation**
- **Collaboration in Interdisciplinary Teams**
- **Time Management for Research Projects**
- **Leadership in Research Coordination**
- **Critical Thinking and Problem Solving in Biomedical Studies**

ACHIEVEMENTS

- **Enhanced Research Outcomes:** Led a study that improved research accuracy and efficiency by 30% through innovative methodologies and effective collaboration.
- **Recognized for Leadership in Lab Projects:** Earned recognition for outstanding leadership in managing interdisciplinary lab teams and achieving experimental milestones ahead of schedule.
- **Excellence in Problem Solving:** Demonstrated strong analytical skills by solving complex biomedical challenges, leading to improved experimental designs and outcomes.
- **Effective Collaboration:** Fostered a cooperative environment, ensuring seamless communication and productivity across diverse research groups.
- **Adaptability and Innovation:** Quickly adapted to new laboratory techniques and technologies, driving successful integration of advanced tools in biomedical research projects.

EDUCATION

BACHELOR OF BIOMEDICAL SCIENCE (HONS)

Kaatsu International University
Sri Lanka

2022 – Present

ADVANCED LEVEL - BIO STREAM

St. Cecilia's Girls' College

2019

REFERENCES

YASODA RASANJANEE

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