

Dr. FATIMA ALSHANNAG (PhD in Biochemistry)
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EDUCATION AND QUALIFICATIONS

2024 **Ain Shams University, Cairo, Egypt, PhD Biochemistry**

Dissertation Title: “Diagnostic Efficiency of Endostatin, Cystatin C and Magnesium Fraction as Potential Markers for Prediction of Preeclampsia ”.

2013 **University of Bradford, United Kingdom, MSc Biomedical Sciences**

Dissertation Title: “The Cloning and Expression of the *lfgD* Gene of the Flag-2 Lateral Flagella Operon of *E. coli*, and the Complementation of the Mutated *lfgD* Gene in Non-Swarming Flag-2⁺ *E. coli*”.

2010 **Jordan University of Science and Technology, Jordan**
BSc Medical and Laboratory Sciences

Final Year:

It was a full year of training in Clinical Microbiology, Clinical Biochemistry, Blood Bank, Histology & Pathology and hematology laboratories in the most famous hospitals in Jordan ‘King Abdullah Teaching Hospital’ and ‘Prince Basma Teaching Hospital’.

LABORATORY SKILLS AND TECHNIQUES

Through many modules I have improved a variety field of medical laboratory techniques and skills involving:

- Practicing withdrawing blood from different groups of patients such as children, young and old people.
- Handling human samples, particularly blood, urine.
- Responding to manual laboratory calculations.
- Understanding the laboratory results in both false and true results.
- Carry out COSHH and risk assessments to be safe when working in medical laboratories.
- Use of spectrophotometer and knowing the colors that based on different reactions.
- Use of PCR techniques.
- Use of gel electrophoresis and reading results.
- Learning how to use and explain computing results.

RELEVANT WORK EXPERIENCE

November 2015 - August 2017 **Lab Supervisor, Faculty of Pharmacy, Philadelphia University, Jordan**

- Taught bachelor’s degree students, undertook many experiments with them particularly in Biochemistry and Clinical Biochemistry labs.
- Discussed many unclear points
- Made presentations to clarify all experiments.
- Distinguished the false results that may happen in the lab and trying to fix these in many ways.

Jun-Sep 2010 **Laboratory Assistant, King Abdullah Teaching Hospital, Jordan**

- Worked as part of a kindly, small and busy team in order to handle the workload at this hospital.
- Cooperated with other hospital departments and kept contact with GPs for consulting purpose and relevant information.

- Organized patient specimens to avoid any mistake results afterward.
- Made sure that all the equipment was cleaned for routine tests.

KEY SKILLS

Communication

As a laboratory assistant:

- Responsible for listening to patients complaints and trying to solve them when I was working and training in the hospitals.
- Discussed many problems with lab managers and gave them some advice to improve the working outcome.
- Consulted and coordinated with GPs to save time for avoiding the late diagnosis.

As a lab supervisor

- Explained the procedures before, during and after the experiment to make sure that students understood all steps in the lab.
- Liaised with my coordinator to make sure that all the information and explanations are understandable.

Team work

- As a medical support staff, I worked successfully as part of a team of 6 staff, serving and solving the patient problems.
- At undergraduate level, I often worked with groups of students who came from different universities in my country.

Languages

- English and Arabic

IT

- Proficient with Microsoft Office tools including MS Word, Excel and PowerPoint
- Consistent handler of email packages and the internet for research purpose.

INTERESTS AND ACTIVITIES

- Writing some quotes (member of the literature team at undergraduate level) and participating in other leisure activities such as swimming and playing tennis
- Enjoy reading Arabic and English literature and taking photos of the beautiful landscapes around the world.
- Going shopping and enjoying spending time with my friends.

REFEREES

References available upon request