

JAFAR ALAWNEH

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PROFESSIONAL SUMMARY

PhD in Biomedical Informatics with broad experience in teaching, performing diagnostics laboratory procedures and research

Capability of working in biological, environmental, and Medical fields

SKILLS

Identification of Microorganisms and their genes using conventional and molecular methods	Expression of and manipulation of genes in bacterial and yeast recombinant strains	Operation and data analysis of flow cytometry
Cultivation of cells and viruses	Conventional and real-time PCR techniques	Development of teaching plans on term basis
Preparation and Organization of laboratory courses	Creation of various of teaching methodologies	Good time management and communication skills
Problem solving skills (ability and extremely strong reasoning and approach to problem solving)	Ability to work and interact under pressure and ability to tackle difficult situations	Ability to interpret, evaluate and investigate experimental data
Teaching laboratories/courses		

EXPERIENCE

Medical Technologist Jordanian Armed Forces Performing all diagnostic tests that may include Hematological, Biochemical, Microbiological, Serological	December 22, 1990 -April 15, 1992
Research Assistant Jordan University of Science and Technology Ramtha, Irbid Governorate Ovine and Bovine Mastitis project Isolation and identification of bacteria from milk samples	April 15, 1992- December 5, 1992
Sales Representative Riyadh Medical Services Amman, Amman Governorate Laboratory equipment's, Kits, Chemicals	January 1, 1993 - September 10, 1993

<p>Training Jordan University of Science and Technology Ramtha, Irbid Governorate New methods for diagnosis and control of protozoan diseases</p>	<p>June 18, 2000-June 19 2000</p>
<p>Laboratory Technician Jordan University of Science and Technology Ramtha, Irbid Governorate</p>	<p>September 20, 1993-April 1 2005</p>
<p>Training University College Dublin Dublin, County Dublin Department of Microbiology and Parasitology, Faculty of Veterinary Medicine, University College Dublin, (U.C.D), Ireland. Diagnosis and identification of bacteria and parasites using advanced methods (serological and molecular)</p>	<p>September 6, 1995-November 5, 1995</p>
<p>Training Western Michigan University Kalamazoo, MI International teaching assistant training program</p>	<p>August 22-August 26, 2005</p>
<p>Teaching Assistant Western Michigan University Kalamazoo, MI Fully responsible for teaching Biology and Microbiology Labs Fully responsible for making quizzes and exams Assisting in designing courses Maintaining records of students' grades for assignments</p>	<p>May 2005 - August 2008</p>
<p>Teaching Assistant Georgia State University Atlanta, GA Fully responsible for teaching Microbiology labs for premedical and nursing students Fully responsible for making lab quizzes and exams leading discussion sessions Conducting review sessions; Assisting in designing Microbiology courses Grading students' papers, homework and exams Maintaining records of students' grades for assignments</p>	<p>June 2009 - December 2012</p>

Bioinformatics Training Course 1 Suez Canal University EL SALAM DISTRICT	September 1, 2013- September 8, 2013
Bioinformatics Training Course 2 Suez Canal University EL SALAM DISTRICT	October 14, 2013- October 24, 2013
Validation of diagnostic microarray for single-base-mutation detection Development of molecular biology techniques siParadigm Diagnostic Informatics: A specialty reference laboratory with unsurpassed expertise in Hematopathology and the latest Oncology Diagnostics Pine Brook, NJ, USA	10-7-2019-present
Teaching	Starting October 1, 2020
Assistant professor Jadara University Teaching:Microbiology/Parasitology/Virology	
EDUCATION	
PhD Rutgers University - Newark Campus, Newark, NJ, United States Dissertation title THE USE OF MICROBIAL GENOME MINING FOR IN SILICO DISCOVERY OF NOVEL SECONDARY METABOLITE GENE CLUSTERS	May 2019
Master of Science Georgia State University, Atlanta, GA, United States Applied Environmental Microbiology	August 2012
Master of Science Western Michigan University, Kalamazoo, MI, United States	December 2008
Bachelors Jordan University of Science and Technology, Ramtha, Irbid Governorate	August 1990

PUBLICATIONS

- 1-Lafi, S. Q., Al-Majali, A. M., Rousan, M. D., and **Alawneh, J. M.** (1998). Epidemiological studies of clinical and subclinical ovine mastitis in awassi sheep in northern Jordan. *Preventive Veterinary Medicine*, 33, 171-181
- 2-THE USE OF MICROBIAL GENOME MINING FOR IN SILICO DISCOVERY OF NOVEL SECONDARY METABOLITE GENE CLUSTERS (To be submitted)
- 3-Natural Functions of secondary metabolites in Microbes (To be submitted)