

EDUCATION

M.Sc. in Biochemistry

King Saud University

2011 - 2015

Thesis

- Innate Immunity and Ovarian Cancer: Investigating the Role of Human Beta Defensin in Promoting Ovarian Cancer.

GPA 4.84

B.Sc. in Biochemistry

King Saud University

2007 - 2011

GPA 4.95

WORK EXPERIENCE

Demonstrator

Department of Biochemistry, College of Science, King Saud University

2011 - Present

TEACHING EXPERIENCE

Undergraduate Practical Courses

Department of Biochemistry, College of Science, King Saud University

2011 - Present

Courses

- Biochemical Calculation, Practical Enzymology, Biochemistry of Blood, Biochemistry of Biological Fluids, Biochemistry of Nutrition, Practical Metabolism, Biotechnology and Genetic Engineering, and Bioinformatics.

Undergraduate Research Projects

Department of Biochemistry, College of Science, King Saud University

2015 - Present

Task

- Co-supervision on laboratory work

Molecular Biology Techniques

Department of Biochemistry, College of Science, King Saud University

2016

Task

- Participation in teaching master students

ORGANIZATIONS

Training & Community Relations Unit (2020 - Present)

Member

Committee of Curriculum Planning and Courses (2020 - Present)

Member

Committee of Academic Counseling (2015 - Present)

Academic Counselor

Biochemistry Club, King Saud University (2015 - Present)

Supervisor

Committee of Academic Accreditation (2015 - Present)

Member

RESEARCH SKILLS & TECHNIQUES

DNA and Total RNA Extraction

cDNA Preparation

Conventional and Real-Time PCR

Gene Expression Data analysis

Bioinformatic tools: such as , Jmol, AutoDock, BLAST, Global Alignment, Primer Design and Specificity Check, ENSMBL , and UniProt and NCBI databases

Agarose Electrophoresis and SDS-PAGE

Cell Culture

ELISA

Enzyme Assays and Kinetics

Kirby-Bauer Test

Gel, Ion Exchange, and Affinity Chromatography

Nano ITC microcalorimeter

Silver Nanoparticles Preparation

Withdrawal of Blood from Rats.

INTERESTS

Molecular Biology of Cancer

Immunology of Cancer

Bioinformatics

PUBLICATIONS

Review

Gut bacteria and human body; a mini review

26 November 2019

GSC Advanced Research and Reviews, 2019, 01(01), 031–035

COURSES

Advanced Academic Writing (2020)

Tamkeen Alhadaf For Training, Saudi Arabia

How to Write a Research Proposal & Approach to Good Literature Reveiw (07/2020)

King Faisal Specialist Hospital & Research Center, Saudi Arabia

Non-coding RNA: Background and Clinical Value (06/2020)

King Faisal Specialist Hospital & Research Center, Saudi Arabia

Advanced Applied Statistics Using SPSS (2020)

Tamkeen Alhadaf For Training, Saudi Arabia

Nono ITC Microcalorimeter (2016)

TA Instruments - Waters L.L.C., Lindon, Utah, United States of America

Intensive Workshop in Advanced Techniques of Molecular Biology for Postgraduate Students (2012)

Genome Research Chair, King Saud University , Saudi Arabia

Basic Protein Chemistry Techniques (2011)

Protein Research Chair, King Saud University , Saudi Arabia

HONOR AWARDS

First place in the theme of Health Sciences (poster) (04/2015)

The Sixth Scientific Conference, Ministry of Education, Saudi Arabia

Fifth place in the theme of Health Sciences (2014)

The Sixth Scientific Symposium, King Saud University, Saudi Arabia.

Best student award (2011)

King Saud University, Saudi Arabia.