MAHA MOHAMMED ALSHAMMARI

Teaching Assistant

Personal Data

Nationality |Saudi

Date of Birth |01 December 1993

Department |Biomedical Engineering

Official IAU Email | mamshammari@iau.edu.sa

Language Proficiency

Language	Read	Write	Speak
Arabic	✓	✓	✓
English	✓	✓	✓

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
November 2019	Master of Science in Biomedical Engineering	University of Bristol	Bristol - United kingdom
May 2016	Bachelor Degree of Biomedical Engineering	Imam Abdulrahman Bin Faisal University	Dammam - Saudi Arabia

PhD, Master or Fellowship Research Title:

Master	Magnetic Field Control Using Local Elements for MRI

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work				Date
Teaching Assistant	College of Engineering	Department of Biomedical Engineering	Imam Abdulrahman Bin Faisal University	Dammam - Saudi Arabia	August 2016 to date

Scientific Achievements

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
1	Mahbubunnabi Tamal, Maram Alqarni, **Maha**	Determination of a robust threshold value against statistical fluctuations for	IEEE GCC Students and Young Professional Congress – May 2017

	Alshammari, Haneefa Barnawi	PET image segmentation: a phantom study.	

Current Researches

#	Research Title	Name of Investigator(s)
1	An integrated approach with in vivo molecular imaging and machine learning to characterize tissue microenvironment for accurate diagnosis and prognosis of infection, inflammation and cancer.	MahbubunnabiTamal, Ibraheem Al-Naib, Murad Althobaiti, Ibrahim Aljamaan, Gameel Saleh, **Maha Alshammari**, Haneefa Barnawi, …
2	Development of novel non-invasive systems for the characterization of the blood glucose levels	Ibraheem Al-Naib, Murad Althobaiti, MahbubunnabiTamal, Ibrahim Aljamaan, Gameel Saleh, Ijlal Ateeq, **Maha Alshammari**, and Bushra Alsunaid

Membership of Scientific and Professional Societies and Organizations

- Associate Member, Institute of Electrical and Electronics Engineers (IEEE)
- Member, Women in Engineering (WIE)
- Member, Saudi Council of Engineers (SCE)

Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Design of Medical Devices	BIOEN 521	Tutorials
2	Medical Image Processing & Communication	BIOEN 563	Labs
3	Computer Programming	COMP 212	Labs
4	Biomedical Digital Signal Processing	BIOEN 513	Tutorials & Labs
5	Biomedical Instrumentation Design	BIOEN 432	Labs
6	Electrical Circuits	ENG 331	Labs
7	Project Management	BIOEN 511	Lectures

Student Academic Supervision and Mentoring

#	Level	Number of Students	From	to
1	Bachelor	2	2021	Present

Administrative Responsibilities, Committee and Community Service
(Beginning with the most recent)

Administrative Responsibilities

#	From	To	Position	Organization
1	2017	2018	Coordinator of Alumni Unit	Imam Abdulrahman Bin Faisal University

Committee Membership

#	From	To	Position	Organization
1	2017	2018	Member of Training Committee	Imam Abdulrahman Bin Faisal University
2	2017	2018	Member of Community Service Committee	Imam Abdulrahman Bin Faisal University
3	2020	Present	Head of Female Exam Committee	Imam Abdulrahman Bin Faisal University
4	2020	Present	Member of Labs Committee	Imam Abdulrahman Bin Faisal University

Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

1	Programming Languages: Python, C++
2	Software: COMSOL, MATLAB, LabVIEW, Multisim

Last Update

12/2/2021