



## Aishah Mohammed Abdulaziz AL Naghmaish

College of Science and Humanities- Jubail Imam Abdulrahman Bin Faisal University, P. O. 383, Dammam 31113, Saudi Arabia.

lecturer

### Personal Data

Nationality | Saudi

Date of Birth | 05/06/1981

Department | Physics

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### Language Proficiency

Language	Read	Write	Speak
Arabic	very good	very good	Very good
English	good	good	good
Others	-	-	-

### Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2023	Doctor in theoretical physics	College of Science	Imam Abdulrahman Bin Faisal University
2012	Master in theoretical physics (Nuclear and Reactors)	College of Science	University of Dammam (Imam Abdulrahman Bin Faisal University)
2002	Bachelor of Educ in physics (Honours)	College of Education in Jubail	University of Dammam

PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)



PhD	Photothermal, Photoluminescence and Electrical investigation of photodetectors based on AlGaAs/GaAs quantum wells.
Master	Theoretical Study of Asymmetric Deformed Nuclei and The Effect of $\gamma$ -deformation Parameter.

### Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work		Date
Lecturer	College of Science and Humanities	Imam Abdulrahman Bin Faisal University	17/7/2013 Now
Demonstrator	College of Education in Jubail	Imam Abdulrahman Bin Faisal University	12/1/2005

### Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Director of the Innovation and Entrepreneurship Unit	Vice Deanship for Scientific Research and Innovation	2023
Vice Head of Department	Physics Department	2015 -2017
Director of Student Affairs	College of Education in Jubail	2012
Vice Head of Department	Physics Department	2002-2003

### Scientific Achievements

#### Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	Nouf K. AL-Saleem Taher Ghrib Aishah AL-Naghmaish Khaled A. Elsayed Noureddine Sfina	Uses of 3D photothermal deflection technique for the investigation of nickel-graphene foam sheets	Results in Engineering (2023)
2	Aishah Al-Naghmaish Taher Ghrib Hassen Dakhlaoui Nouf K. AL-Saleem Filiz Ercan Tarek S. Kayed Erdem Elibol Ismail Ercan	Effect of Al <sub>0.1</sub> Ga <sub>0.9</sub> As thickness on the structural, optical, thermal, and electrical properties of (Al <sub>0.1</sub> Ga <sub>0.9</sub> As)/GaAs heterojunctions	Micro and Nanostructures (2023)



	Mesut Yıldız Abdelhafeez A. Elshekhipy Nawal Almalki		
3	Nouf K. AL-Saleem Taher Ghrib Aishah AL-Naghmaish Abdelhafeez A. Elshekhipy Nawal Almalki Nabil Gmati Najoua Kamoun Turki	Effect of porosity on structural, optical, thermal, and electrical properties of nickel-foam coated graphene sheets	Journal of Materials Research and Technology (2022)
4	Aishah AL-Naghmaish Hassen Dakhlaoui Taher Ghrib Bryan M. Wong	Effects of magnetic, electric, and intense laser fields on the optical properties of AlGaAs/GaAs quantum wells for terahertz photodetectors	Physica B: Physics of Condensed Matter (2022)

### Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
	International Webinar on Science, Sustainable, Development and Ecosystems in Saudi Arabia.	Imam Abdulrahman Bin Faisal University - College of Science 6-7 /4/2021	Presence

### Teaching Activities

#### Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	General Physics (1)	802143	Lab
2	General Physics (2)	800161	Lab
3	Electronics	802247	Lab
4	Nuclear Physics	801520	Lectures- Tutorials
5	Advanced Practical Physics	801532	lectures
6	Quantum Mechanics	802246	Tutorials
7	Basics of physics	-	Lab



## Student Academic Supervision and Mentoring

#	Level	Number of Students	From	To
1	Bachelor	100	2016	2018
2	Bachelor	35	2023	Now

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

### Administrative Responsibilities

#	From	To	Position	Organization
1	2023	Now	Coordinator of scientific research	College of Science and Humanities Physics Department
2	2016	2018	Coordinator of Academic Advising	
3	2017	2018	Coordinator of Active learning	
4	2013	2014	Coordinator for the fourth conference of student	

### Committee Membership

#	From	To	Position	Organization
1	12/5/2018	16/5/2018	Member of the interview committee for new students	College of Science and Humanities
2	1/4/2014	18/4/2018	Member of the organizing committees of the "Magic of Physics"	College of Science and Humanities
3	7/4/2018	7/4/2018	Member of the eighth orphan's festival	"Wahaj" Women's Charitable Society
4	20/3/2017	20/3/2017	Member of the seventh orphan's festival	"Wahaj" Women's Charitable Society
5	2008	2009	Member of a graduation ceremony	College of Education in Jubail
6	20/3/2007	25/3/2007	Member of the Organizing Committee of the Cultural Week "Innocence is a Story"	College of Education in Jubail
7	10/4/2005	23/4/2005	Member of the Organizing Committee of the Cultural Week "Women is a Homeland"	College of Education in Jubail



## Volunteer Work

#	From	To	Type of Volunteer	Organization
1	2014	2017	Member	"Tawasel" Association
2	2012	2013	Member	Charitable Society for the Memorization of the Noble Qur'an in Jubail Governorate

## Awards and certificates of thanks

#	Date	Type of Awards	Organization
1	2022	Students research publishing for publishing in the Q1	Imam Abdulrahman Bin Faisal University - Deanship of Scientific Research
2	2022	Students research publishing for publishing in the Q1	Imam Abdulrahman Bin Faisal University - Deanship of Scientific Research
3	2021	Students research publishing for publishing in the Q1	Imam Abdulrahman Bin Faisal University - Deanship of Scientific Research

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

1	Computer skills in Microsoft programs.
2	Skills in (academic development - team leadership).
3	Programming skills (Mathematica, FORTRAN, Python, Quantum ESPRESSO)

## Last Update

9/08/2023

