



Amal Shafi Al-Khalidi

Lecturer

Personal Data

Nationality | Saudi

Department | Physics

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Office Phone No. | 37200

Language Proficiency

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

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
1444/11/29	Phd	IAU	Dammam
1437/6/20	Master	University of Dammam	Dammam
1427/5/11	Bachelor	Girls College of Science- (IAU now) Physics Department	Dammam

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

PhD	Computational Study of graphene-like/TMD hybrid Structures
Master	Effect of tunneling on photoluminescence of InGaN/GaN multiple quantum well (MQW) LEDs

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work			Date
Demonstrator	Girls College of Science Physics Department	University of Dammam	Dammam	1428/11/4
Lecturer	Girls College of Science Physics Department	IAU	Dammam	1438/4/7



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
	Amal Al-Khalidi , Mohamed M. Fadlallah , Fawziah Alhajri and Ahmed A. Maarouf	Hybrid G/BN@2H - MoS ₂ Nanomaterial Composites: Structural, Electronic and Molecular Adsorption Properties	7/12/2022
	Fawziah Alhajri , Mohamed M. Fadlallah , Amal Alkhalidi and Ahmed A. Maarouf	Hybrid MXene Graphene/Hexagonal Boron Nitride Structures: Electronic and Molecular Adsorption Properties	10/8/2022

Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
	Ahmed A. Maarouf Amal Al-Khalidi , , Fawziah Alhajri and	Kaust project -k1494-Study the Structural, Electronic and Molecular Adsorption Properties for Hybrid G/BN@TMDs and MXene Nanomaterial Composite	

Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	The 4th Saudi International Nanotechnology Conference(SINC 2016)	King Fahd University of Petroleum and Minerals(KFUPM)-Dhahran(25-26.Oct.2016)	Attendance only
2	Total Quality Management	Girls College of Science- (IAU now) 1429/1/6	Attendance only
3	lass(PreparedUtilization-It's application)	Girls College of Science- (IAU now) 1429/1/27	Attendance only



Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Physics I	PHY201- PHYS 202	Labs
2	General Physics (2)	PHYS 132N	Labs + Lectures (exercises)
3	General Physics (1)		Labs + Lectures (exercises)
4	General Physics (3)		Labs
5	Practical Physics (1)		Labs
6	Solid State Physics (2)		Labs
7	Atomic and molecular spectroscopy		Labs
8	Electricity and magnetism (1)		Labs + Lectures (exercises)
9	Electricity and magnetism (2)		Labs
10	Electromagnetic theory		Lectures (exercises)
11	Properties of the material and heat		Labs
12	Waves		Lectures (exercises)
13	Quantum mechanics		Lectures (exercises)
14	Principle of physics		Labs + Lectures (exercises)
15	Mathematics for Physical Sciences I	MATH 307	Lectures (exercises)

Course Coordination

#	Course Title and Code	Coordinati on	Co-coordination	Undergr ad.	Postgrad .	From	To
	Mathematics for Physical Sciences I -MATH 307	✓		✓			

Student Academic Supervision and Mentoring

#	Level	Number of Students	From	To
	All under graduate	levels 21 1436 Now	1436	Now



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

Committee Membership

#	From	To	Position	Organization
	2/2/1445	Now	Member	Quality Committee
	2/2/1445	Now	Member	Committee for measuring graduate characteristics and learning outcomes
	10/3/1445	Now	Coordinator	Graduation Projects Unit Coordinator
	2018	2018	Member	Tables Committee

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

1	Mathematica
2	Quantum espresso
3	Xcrysden
4	Latex

Last Update

11/10/2023