



# FACULTY FULL NAME: Dr Nouf Rashed Alshwaira

**POSITION:** Assistant Professor

## Personal Data

Nationality | Saudi

Date of Birth | 7/4/1985

Department | Physics

Official UoD Email | [nrshwaira@iau.edu.sa](mailto:nrshwaira@iau.edu.sa)

Office Phone No. | 01333 37060

## Language Proficiency

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

## Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
PhD	Doctor of Philosophy in biological Physics	16-6-2020	The university of Manchester
Master	Master of Science in theoretical Physics (Nuclear and reactor)	13-6-2012	The University of Dammam
Bachelor	Bachelor in physics	17-6-2007	The University of Dammam

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

PhD	Multi Scale Computational modelling of Pathophysiology and Pharmacology of heart failure in Sheep Atria
Master	Theoretical Study of Yrast States for Even-Even Deformed Nuclei
Fellowship	



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

Job Rank	Place and Address of Work		Date
Assistant professor		Imam Abdulrahman bin Faisal University	2021
Lecture		Imam Abdulrahman bin Faisal University	2012
Teaching Assistant		Imam Abdulrahman bin Faisal University	2012

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

Administrative Position	Office	Date

**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

**Refereed Scientific Research Papers Accepted for Publication**

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date

**Scientific Research Papers Presented to Refereed Specialized Scientific Conferences**

#	Name of Investigator(s)	Research Title	Conference and Publication Date
1	Nouf R Alshwaira, Henggui Zhang	Modelling Effect of Heart Failure on The Electrical Activity of Sheep	Computing in Cardiology 2018 Maastricht , The Netherland
2	Nouf R Alshwaira, Henggui Zhang	Effect of Heart Failure-induced Electrical Remodelling on Atrial Arrhythmogenesis: insight from a Modelling Study	The Physiology Society 2019 Aberdeen, The United Kingdom



3	Nouf R Alshwaira, Henggui Zhang	The Individual role of Heart Failure- remodelled ionic channel currents on The Left Atrium of Sheep Atria	SICPAM conference 2023 Sharjah-UAE
4	Nouf R Alshwaira, Henggui Zhang	Effects of heart failure-induced electrical remodelling on sheep atria heart: a simulation study	International Computational Science and Engineering Conference 2023 Qatar-Doha

### Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date

### Current Researches

#	Research Title	Name of Investigator(s)

### Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	Computing in Cardiology 2018	2018- The Netherland- Maastricht	Poster
2	The Physiology Society 2019	2019- The United Kingdom- Aberdeen	Poster
3	SICPAM conference 2023	2023-UAE-Sharjah	Poster
4	International Computational Science and Engineering Conference 2023	2023-Qatar-Doha	Oral presentation



## Membership of Scientific and Professional Societies and Organizations

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## Teaching Activities

### Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Computational Methods in Physics 1	PHYS405	LEC+LAB
2	Physics 1	PHYS202	LEC+LAB
3	Physics 2	PHYS206	LEC
4	Optics	PHYS204	LEC+LAB
5	Project seminar	PHYS509	Supervisor
6	Experimental in Physics 1	PHYS303	LAB
7	General Physics 1	PHYSN101	LAB
8	General Physics 2	PHYSN102	LAB
9	General Physics 3	PHYS201N	LAB
10	Nuclear Physics	PHYS413O	LAB
11	Quantum Mechanics 2	PHYS418O	Tutorials

### Brief Description of Undergraduate Courses Taught: (Course Title – Code: Description)


### Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1			
2			

### Brief Description of Postgraduate Courses Taught: (Course Title – Code: Description)

1	
2	



### Course Coordination

#	Course Title and Code	Coordinati on	Co-coordination	Undergr ad.	Postgrad .	From	To
1	Computational Methods in Physics 1	✓		✓		2021	
4	Optics	✓		✓		2023	
5	Project seminar	✓		✓		2022	
6	Experimental in Physics 1	✓		✓		2021	

### Guest/Invited Lectures for Undergraduate Students

#	Activity/Course Title and Code	Subject	College and University or Program	Date

### Student Academic Supervision and Mentoring

#	Level	Number of Students	From	To
1	Project seminar	5	2022	

### Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date

### Ongoing Research Supervision

#	Degree Type	Title	Institution	Date



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

### Administrative Responsibilities

#	From	To	Position	Organization

### Committee Membership

#	From	To	Position	Organization
1	2023	now	Head of the risk management and strategic planning	Physics program
2	2021	2023	Head of the Table committee	Physics program
3	2022	2023	Member of Curriculum Development Committee	Physics program

### Scientific Consultations

#	From	To	Institute	Full-time or Part-time

### Volunteer Work

#	From	To	Type of Volunteer	Organization
1	2013		Teaching	Mawhebah-King Abdulaziz and His Companions Foundation for Giftedness and Creativity
2	2020		Presenter	The scholarship guidance program in the College of Science for teaching assistants and lecturers who are planning for scholarships -Science collage



3	2021		Supervisor	Mawhebah-King Abdulaziz and His Companions Foundation for Giftedness and Creativity
4	2022		Supervisor	Telmethah-King Abdulaziz and His Companions Foundation for Giftedness and Creativity

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

1	Excel
2	Word
3	PowerPoint
4	Zotero
5	MATLAB
6	Python
7	Inkscape
8	OriginLab
9	Linux

Last Update

24 / 12 /2023