



# FACULTY FULL NAME: Dr. Fatimah Alahmari

POSITION: assistant professor

## Personal Data

Nationality | saudi

Date of Birth | 1/12/1986

Department | nanomedicine research

Official UoD Email | fsalahmari@iau.edu.sa

Office Phone No. | 0555310587

## Language Proficiency

Language	Read	Write	Speak
Arabic	v. good	v. good	v. good
English	v. good	v. good	v. good
Others			

## Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
07/05/2023	Professional Certificate in Professional Certificate in Online Teaching/Training, Advance Level (OTT-A)	National E-learning Center	Dammam, KSA
14/12/2018	PhD in chemical science	KAUST	Thuwal, KSA
15/12/2014	MS with thesis in chemical science	KAUST	Thuwal, KSA

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

PhD	Synthesis and investigation of novel inorganic crystallin materials
Master	Synthesis and investigation of novel inorganic crystallin materials
Fellowship	

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

Job Rank	Place and Address of Work	Date
Teaching assistant	University of Dammam	2011



Lecturer		University of Dammam		2015
Assistant professor		Imam Abdurrahman Bin Faisal University		2019 until now

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

Administrative Position	Office	Date
The e-learning coordinator for faculty and graduate students at IRMC	E-learning deanship, IAU	2020-2021
postgraduate registrar for nanotechnology and biotechnology master students	IRMC	2019-2021

#### Scientific Achievements

##### Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent) (I include first and second author only since 2020)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
	Alahmari, F., Khan, F.A., Sozeri, H., Sertkol, M. and Jaremko, M.	Electrospun Cu–Co ferrite nanofibers: synthesis, structure, optical and magnetic properties, and anti-cancer activity	<i>RSC advances</i> , 2024, 14(11), 7540-7550
	Alahmari, F., Gunday, S. T., Iqbal, A., Asiri, S. M., Bozkurt, A., Qahtan, T. F., and Cevik, E	Synthesis of Zn doped CrV spinel oxide nanostructures for flexible supercapacitor and hydrogen evolution reaction	<i>International Journal of Hydrogen Energy</i> , 2023, 51, 357-367
	Rehman, S., Alahmari, F. Aldossary, L., Alhout, M., Aljameel, S. S., Ali, S. M., ... and Rather, I. A.	Nano-sized warriors: zinc chromium vanadate nanoparticles as a dual solution for eradicating waterborne enterobacteriaceae and fighting cancer,	<i>Frontiers in Pharmacology</i> , 2023, 14, 1213824
	Helal, A. Alahmari, F. Usman, M. Yamani, Z. H.	Chalcopyrite UiO-67 metal-organic framework composite for CO <sub>2</sub> fixation as cyclic carbonates	<i>Journal of Environmental Chemical Engineering</i> , 2022, 10(3), 108061



Alahmari, F.; Rehman, S.; Almessiere, M.; Khan, F.; Slinani, Y. and Baykal	Synthesis of Ni <sub>0.5</sub> Co <sub>0.5-x</sub> Cd <sub>x</sub> Fe <sub>1.78</sub> Nd <sub>0.02</sub> O <sub>4</sub> (x ≤ 0.25) nanofibers by using electrospinning technique induce anti-cancer and anti-bacterial activities	<i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39(9), 3186-3193
Alahmari, F.; Almessiere, M.; Unal, B.; Slinani, Y. and Baykal	Electrical and optical properties of Ni <sub>10.5</sub> Co <sub>0.5-x</sub> Cd <sub>x</sub> Nd <sub>0.02</sub> Fe <sub>1.78</sub> O <sub>4</sub> (x ≤ 0.25) spinel ferrite nanofibers	<i>Ceramics International</i> ,2020, 46(15), 24605-24614
Alahmari, F.; Almessiere, M.; Slinani, Y.; Gunguner, H.; Shirsath, S.; Akhtar, S.; Mariusz, J. and Baykal	Synthesis and characterization of electrospun Ni <sub>10.5</sub> Co <sub>0.5-x</sub> Cd <sub>x</sub> Nd <sub>0.02</sub> Fe <sub>1.78</sub> O <sub>4</sub> nanofibers	<i>Nano-Structures &amp; Nano-Objects</i> , 2020, 24, 100542.
Khushaim, M.; Alahmari, F.; Kattan, N.; Chassaing, D. and Boll, T.	Microstructural properties and peritectic reactions in a binary Co–Sn alloy by means of scanning electron microscopy and atom probetomography	<i>Materials Research Express</i> , 2020, 7(8),086508

### 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

### 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	12th Conference on Solid State Chemistry	2016, Prague, Czech Republic	Poster presentation
2	2017 MRS fall meeting & exhibit	2017, Boston, Massachusetts, USA	Poster presentation
3	2018 MRS fall meeting & exhibit	2018, Boston, Massachusetts, USA	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)

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

My teaching experience started earlier when I was a demonstrator and continued until now (more than 13 years) I have taught both theoretical and experimental components for several courses including general chemistry, inorganic chemistry and organometallic chemistry for undergraduate students and nanotechnology for graduate students

#### Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	NANOTECHNOLOGY II	MSNE830	LABS
2			



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

1	NANOTECHNOLOGY 2 MSNE830, I taught this course for lab sections twice 2022, 2024
2	

### Course Coordination

#	Course Title and Code	Coordinati on	Co-coordination	Undergr ad.	Postgrad .	From	To

### 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	10 (two tracks)	2019	2020

### Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date

### Ongoing Research Supervision

#	Degree Type	Title	Institution	Date
	Master student	Nanomaterial synthesis and investigations	IRMC- IAU	2024

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



### Administrative Responsibilities

#	From	To	Position	Organization
	2020	2021	The e-learning coordinator for faculty and graduate students	E-learning deanship
	2019	2021	postgraduate registrar	IRMC
	2019	2020	academic advisor for the IRMC master students	IRMC

### Committee Membership

#	From	To	Position	Organization
	2019	now	A member of the postgraduate committee	IRMC
	2020	2021	A member of the crisis management committee	IRMC

### Scientific Consultations

#	From	To	Institute	Full-time or Part-time

### Volunteer Work

#	From	To	Type of Volunteer	Organization



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

1	Well- trained on many experimental and analytical tools
2	Certified as e-learning tackles provider and developer – advance level including needed computer needed skills
3	Capable of working both independently and on a team.
4	Eager to learn new skills and adapt to new environments
5	Creative and able to think strategically
6	Flexible, open-minded and able to communicate well
7	Ready to accept new and challenging assignments.
8	Confident and have effective presentation skills