



FACULTY FULL NAME: Sarah Mousa Asiri

POSITION: Lecturer

Personal Data

Nationality | Saudi

Date of Birth |

Department | Biophysics

Official UoD Email | smAsiri@iau.edu.sa

Office Phone No. |

Language Proficiency

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

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2014	Master	King Faisal University	Saudi Arabia
2006	Bachelor	University of Dammam	Saudi Arabia

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

PhD	
Master	Preparation, Characterization and evaluation of Magnetic Nanostructure Materials
Fellowship	

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work	Date
Lecturer	Imam Abdulrahman Bin Faisal University Saudi Arabia	2016-Present
Research Assistant	King Faisal University Saudi Arabia	2010-2013



Teacher	King Fahd University of Petroleum & Minerals Schools	Saudi Arabia	2009

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)

(Selected Publications) More publications and patents are in **Google Scholar**:

<https://scholar.google.com/citations?hl=en&user=EyLcsPAAAAAJ>

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	E Cevik, TF Qahtan, <u>S Asiri</u> , A Bozkurt	Synthesis of Zn Intercalated Zn-V@ Mo-V Nanorods-based Cathodes for Prolonged Cyclic Stability of Rechargeable Aqueous Zinc-Ion Batteries	ACS Applied Nano Materials, 2023
2	<u>S Asiri</u> , E Cevik, TF Qahtan, A Bozkurt,	Fabrication of high mechanical stability electrodes and bio electrolytes for high-performance supercapacitor application	Journal of Alloys and Compounds, 2022
3	Mohammad Ansari, <u>S Asiri</u>	Green synthesis, antimicrobial, antibiofilm and antitumor activities of superparamagnetic γ -Fe ₂ O ₃ NPs and their molecular docking study with cell wall mannoproteins and peptidoglycan	International Journal of Biological Macromolecules, 2021
4	<u>S Asiri</u> , FA Khan, A Bozkurt	Delivery of Conjugated Silicon Dioxide Nanoparticles Show Strong Anti Proliferative Activities	Applied biochemistry and biotechnology, 2019
5	<u>S Asiri</u> , Md Amir, S Guener, H Gungunes, KM Bato, M Sertkol, A Imran, A Baykal	Structural, Optical and Mössbauer Study of Ba _{1-z} Cu _z Fe ₁₂ O ₁₉ (0.5 ≤ x) Nano Hexaferrites	Journal of Inorganic and Organometallic Polymers and Materials, 2018

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
1	PI. Ayhan Bozkurt (RDO)	Rechargeable Hydrogen Gas Batteries for Grid Storage	2020-2022
2	PI. Suriaya Rehman (DSR, IAU)	Green synthesis of nanoparticles using microorganisms and their bioactivity against multidrug resistant human pathogens	2019
3	PI. Mohammad Ansari (DSR, IAU)	Liv52 polyherbal-Nano-Strategies for the development of next-generation novel antimicrobial and anticancer therapeutic agents for the treatment of multi drug resistant infections and colorectal cancer in human	2019-2020
4	PI. Sarah Asiri, Co. I Osam Saber (DSR, IAU)	Removal of Industrial Pollutants Through Graphene Nanostructured Materials	2017-2018
5	PI. Abdulahdi Baykal (DSR, IAU)	Synthesis and characterization of rare earth element doped barium and strontium hexaferrites by solid state and sol-gel methods and investigation of its microwave absorber properties	2017-2019

Current Researches

#	Research Title	Name of Investigator(s)
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Contribution to Scientific Conferences and Symposia

(Selected Conferences and Symposia)

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	The International Symposium on Porous Organic Polymers (POPs) & The KAUST Workshop for Women in Science and Engineering (WISE)	King Abdullah University of Science and Technology (KAUST), Saudi Arabia, Feb 12, 2024	Presented a Poster (Best Poster Award)
2	The Green Sustainable Future in the Kingdom of Saudi Arabia (GiKS)	King Fahd University for Petroleum and Minerals (KFUPM), Saudi Arabia, Jan 30-31, 2024	Presented a Poster
3	Chemical Science Symposium 2023	Royal Society of Chemistry (RSC), London UK and Online, Oct 26-27, 2023	Presented a Poster
4	The International Conference and Exhibition for Science (ICES2023)	King Saud University, Saudi Arabia, Feb 06-08, 2023.	A Speaker of oral presentation
5	Gulf Chemistry Association International Conference and Exhibition (GCA-2022)	Bahrain, Nov 15-17, 2022	A Speaker of oral Presentation (The Winner of Young Researchers Award)
6	#IOPPposter Conference, Environment & Energy Category	IOP Publishing, UK, Jul 15–16, 2020	Presented a Poster (Best Poster Award)

Membership of Scientific and Professional Societies and Organizations

- American Chemical Society (ACS)
- Royal Society of Chemistry (RSC)

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)

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

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



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	2023	Member	Quality and Academic Accreditation Committee

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	Computer Programs: Origin Program, Zotero, Microsoft Office, International Computer Driving License (ICDL).
2	Nanotechnology (Nano Synthesis Techniques & Nano-applications).
3	Nano-Materials Characterization: XRD, SEM, EDX, TEM, FTIR, BET, TGA, DSC, UV-vis spectrophotometer.
4	Electrochemical Measurements and Analysis.
5	Energy Applications Techniques.

Last Update

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