



DR. SHEIKHA
ALKHURSANI



NOVEMBER 5, 2023

CV

Shiekha Abdullah AlKhursani

Assistant Professor OF Organic Chemistry

Personal Data

Nationality: Saudi

City of Birth: AL- Khobar

Department: Supportive & General subject - College of Sciences and Humanities in Jubail

Official IAU Email: salkhursani@iau.edu.sa

Office Phone No.: Sisco (38704)

Language Proficiency:-

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

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
14/1/1414 H	Bachelor	Dammam University	14/1/1414 H
22/2/1419 H	Masters	Dammam University	22/2/1419 H
5/5/1426 H	PhD	Dammam University	5/5/1426 H

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

PhD: *Nucleic Acid Components And Their Analogues :Synthesis of Various Heterocyclic Nucleosides*

Master: *SYNTHESIS OF SOME NEW GLYCOSIOES*

Fellowship: *Nucleotides Glycosides and nucleic acids and its scope in the treatment of tumors
Polymers and its applications*

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

Job Rank	Place and Address of Work	Date
<i>Assistant professor</i>	<i>lau- College of Sciences and Humanities Jubail</i>	<i>1/3/1428 recent</i>
<i>Lecture</i>	<i>lau- College of Sciences and Humanities Jubail</i>	<i>1424 - 29/2/1429</i>
<i>Lecture</i>	<i>lau- Science college in Dammam in</i>	<i>4/4/1419 - 1424</i>
<i>Assistant teatcher</i>	<i>lau- Science college in Dammam</i>	<i>14/1/1414 - 3/4/1419</i>

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

Administrative Position	Office	Date
<i>Head of Scientific Research Unit</i>		<i>1436 H - 1440</i>
<i>Head of Standard no. 9 & 10 (Community Service & Scientific Research in self studies.</i>		<i>1435 H - 1436 H</i>
<i>Head, Department of physics</i>		<i>23/8/1428H-1435 H</i>
<i>The Chairperson of the Commission on the lab chemistry</i>		<i>1428H – 1431H</i>
<i>Board member of the Fund for female students</i>		<i>1428H – 1429H</i>
<i>Chairman of the monitoring committees for the departments in the Faculty of education at Al Jubail</i>		<i>1427H – 1428H</i>
<i>An attorney for the students in the Faculty of education at Al Jubai</i>		<i>13/6/1426H</i>
<i>Director of college admission and registration</i>		<i>1426H – 1427H</i>
<i>The Chairperson of the Commission on the conduct of examinations Department of mathematics</i>		<i>1424H</i>
<i>Member of the committees on ACPA (chemistry, Botany, mathematics) at the Faculty of science for girls Dammam</i>		
<i>Member of the Committee in the Department of chemistry, Faculty of science in Dammam</i>		
<i>Member of the Committee for academic affairs in the Department of chemistry, Faculty of science in Dammam</i>		

*Member of the chemistry factor inventory Science College in
Dammam*

1414H – 1415H

Participate in correcting acceptance tests in science in Dammam

*Participate in graduation ceremonies at the Faculty of science in
Dammam*

*Participation in the celebration of the year of the centennial of the
unification of the Kingdom where the sponsor as a key member of
the exhibition pavilion at the annual guidance and College ceremony
to open under the honor Princess jawaher Bint Naif Al-Saud*

*Member of the social and cultural Department of chemistry in
Dammam*

*A questionnaire was distributed to students of the Faculty of Science
(the role of women in society, the pros and cons (and its balahdaeat
graphic on the theater Faculty of science was also organized a lecture
this address*

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	<i>Sheikha A. Alkhursani, Mohamed Mohamady Ghobashy, Dalal Mohamed Alshangiti, Samera Ali Al-Gahtany, Abeer S. Meganid, Norhan Nady Sheikha A.</i>	<i>Plastic waste management and safety disinfection processes for reduced the COVID-19 Hazards</i>	<i>International Journal of Sustainable Engineering Volume 16, 2023 - Issue 1</i>

	<i>Alkhursani, Mohamed Mohamady Ghobashy, Dalal Mohamed Alshangiti, Samera Ali Al-Gahtany, Abeer S. Meganid, Norhan Nady, Gamal Abdel Nasser Atia & Mohamed Madani</i>		
2	Sheikha A. Alkhursani , Mohamed Mohamady Ghobashy, , Samera Ali Al-Gahtany , Abeer S. Meganid , Shady M. Abd El-Halim , Zubair Ahmad, Farhat S. Khan , Gamal Abdel Nasser Atia and Simona Cavalu ,	Application of Nano-Inspired Scaffolds-Based Biopolymer Hydrogel for Bone and Periodontal Tissue Regeneration	<i>Polymers 2022, 14, 3791. https://doi.org/10.3390/polymer14183791</i>
3	<i>Ghobashy, M.M., Alshangiti, D.M., Alkhursani, S.A., ...Madani, M., Kodous, A.S.</i>	<i>Aspects of the physiochemical properties of SARS-CoV-2 to prevent S-protein receptor binding using Arabic gum</i>	<i>Green Processing and Synthesis this link is disabled, 2022, 11(1), pp. 150–163</i>
4	<i>Madani, M., Hosny, S., Alshangiti, D.M., ...Ghobashy, M.M., Gaber, G.A.</i>	<i>Green synthesis of nanoparticles for varied applications: Green renewable resources and energy-efficient synthetic routes</i>	<i>Nanotechnology Review this link is disabled, 2022, 11(1), pp. 731–759</i>
5	<i>Ghobashy, M.M., El-Damhougy, B.K., El-Wahab, H.A., ...Alkhursani, S.A., Alshangiti, D.M.</i>	<i>Controlling radiation degradation of a CMC solution to optimize the swelling of acrylic acid hydrogel as water and fertilizer carriers</i>	<i>Polymers for Advanced Technologies this link is disabled, 2021, 32(2), pp. 514–524</i>
6	<i>Ghobashy, M.M., Amin, M.A., Nady, N., ...Al-Gahtany, S.A., Zaher, A.A.</i>	<i>Improving Impact of Poly(Starch/Acrylic Acid) Superabsorbent Hydrogel on Growth and Biochemical Traits of Sunflower Under Drought Stress</i>	<i>Journal of Polymers and the Environment this link is disabled, 2021</i>

8	<i>Ghobashy, M.M., Abd El-Wahab, H., Ismail, M.A., ...Meganid, A.S., Alkhursani, S.A.</i>	<i>Characterization of Starch-based three components of gamma-ray cross-linked hydrogels to be used as a soil conditioner</i>	<i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology this link is disabled, 2020, 260, 114645</i>
9	<i>Mohamed Mohamady Ghobashy, Dalal Mohamed Alshangiti, Sheikha A. Alkhursani, Samera Ali Al-Gahtany, Fathiah Salem Shokr, and Mohamed Madani*</i>	<i>Improvement of In Vitro Dissolution of the Poor Water-Soluble Amlodipine Drug by Solid Dispersion with Irradiated Polyvinylpyrrolidone</i>	<i>ACS Omega 2020, 5, 34, 21476-21487</i>
10	<i>SHEIKHA A. ALKHURSANI, MOHAMED MOHAMADY GHOBASHY, and MOHAMED MADANI</i>	<i>Radiation Synthesis of Organostarch as Fluorescence Label</i>	<i>Asian Journal of Chemistry; Vol. 32, No. 7 (2020), 1799-1805</i>
11	<i>SHEIKHA A. ALKHURSANI MOHAMED MADANI, and MOHAMED MOHAMADY GHOBASHY.</i>	<i>Photocatalytic TiO₂ Embedded on PET-g-PAAc Fabric by Sono-gamma Irradiation Technique</i>	<i>Asian Journal of Chemistry; Vol. 32, No. 2 (2020), 349-353</i>
12	<i>Dalal Mohamed Alshangiti, Mohamed Mohamady Ghobashy, Sheikha A. Alkhursani, Fathiah Salem Shokr, Samera Ali Al-Gahtany, Mohamed Madani</i>	<i>Semi-permeable membrane fabricated from organoclay/PS/EVA irradiated by γ-rays for water purification from dyes</i>	<i>Journal of Materials Research and Technology Published online: november 2019 1</i>
13	<i>Galal H. Elgemeiea, Sheikha A. Alkhursanib, and Reham A. Mohamedc</i>	<i>New synthetic strategies for acyclic and cyclic pyrimidinethione nucleosides and their analogues</i>	<i>NUCLEOSIDES, NUCLEOTIDES AND NUCLEIC ACIDS (Taylor&Francis) Published online: 07 Feb 2019</i>
14	<i>Galal H. Elgemeie, Nahed M. Fathy, Ayman B. Farag & Sheikha A. Alkhursani</i>	<i>Design, synthesis, molecular docking and antihepatocellular carcinoma evaluation of novel acyclic pyridine thioglycosides</i>	<i>NUCLEOSIDES, NUCLEOTIDES AND NUCLEIC ACIDS (Taylor&Francis) Published: 2018/3/4 2018, vol37 No 3-186-198</i>

15	<i>Mohamed M. Ghobashy · Sheikha A. Alkhursani · Mohamed Madani</i>	<i>Radiation-induced nucleation and pH-controlled nanostructure shape of polyaniline dispersed in DMF</i>	<i>Polymer Bullinet CrossMark Accepted: 9 April 2018 Published online: 23 Apr 2018.</i>
16	<i>Galal H. Elgemeie, Nahed M. Fathy, Ayman B. Farag, and Shekha S. Al- Kursani</i>	<i>Antimetabolites: Design, synthesis, and cytotoxic evaluation of novel dihydropyridine thioglycosides and pyridine thioglycosides</i>	<i>NUCLEOSIDES, NUCLEOTIDES AND NUCLEIC.2017,36,355-377</i>
17	<i>Elgemeie.G.H.Hussein.M.M.Alkhursani. S.A</i>	<i>A Total Synthesis of a New Class of biazine Thiglycol</i>	<i>J.Of Carbohydrate Research.2004,23(8/9),465-482</i>

Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date
1				
2				

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
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Current Researches

#Research Title	Name of Investigator(s)
	<i>Mohamed Madani</i>
	<i>Nanometric Scaled Advanced Polymers for Biomedical Applications</i>
	<i>Shiekha Abdullah</i>
	<i>AlKhursan</i>

Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
	<i>The Preparatory meeting of UOD for Institutional Accreditation pre the Review Panel Visit</i>	<i>12/06/1436 – 1st April 2015</i> <i>Venue: Main Auditorium – Building</i>	<i>Attendance</i>

<i>Opening Session The Strategic Partnership Project between University of Dammam & Thomson Reuters</i>	<i>30 March 2015</i>	<i>Attendance</i>
<i>Chemistry National Conference organized by the Saudi Chemical Society</i>	<i>Makkah – 27/3/1428H – 29/3/1428H</i>	<i>Attendance</i>
<i>First Saudi Conference of Science (new features to the role of science faculties in the Kingdom) organized by the King Fahd University of Petroleum</i>	<i>King Fahd University of Petroleum 5/1/1422H – 7/1/1422H</i>	<i>A member of the Technical Committee of the Conference Support</i>
<i>Attend the scientific forum held by the Department of Education and Psychology in the College</i>	<i>college of education in Jubail 4-5/7/1439</i>	<i>Attendance</i>

Membership of Scientific and Professional Societies and Organizations

1. Saudi Chemical Society - Riyadh
2. Member of the Scientific Committee to develop programs
3. Chairperson of the Committee labs

Teaching Activities:-

Undergraduate

<i># Course/Rotation Title</i>	<i>No./Code</i>	<i>Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)</i>
<i>Chemistry of Heterocyclic Compounds</i>	<i>Chem (404)</i>	<i>lectures</i>
<i>Organic Chemistry</i>	<i>Chem (212)</i>	<i>lectures</i>
<i>General Chemistry (1)</i>	<i>Chem 203</i>	<i>lectures</i>

<i>General Chemistry (1)</i>	<i>Chem 203</i>	<i>lab</i>
<i>Chemistry basics theoretical</i>	<i>chem303</i>	<i>lectures</i>
<i>Fifth level in the primary grades department</i>		
<i>General Chemistry (1) theoretical inorganic</i>	<i>1st Division, Department of physics and mathematics in the Faculty of education at Al Jubail</i>	<i>Lectures</i>
<i>General Chemistry (2)</i>		<i>lectures</i>
	<i>1st Division, Department of physics and mathematics in the Faculty of education at Al Jubail</i>	
<i>General Chemistry (1) chem101 theoretical</i>	<i>chem101</i>	<i>lectures</i>
	<i>The preparatory phase – the scientific section</i>	
<i>Practical organic chemistry</i>	<i>All teams of the Department of chemistry, Faculty of science</i>	<i>lab</i>
<i>Analytical Chemistry (mixtures – analysis – analysis of El Hadji)</i>	<i>Of all the teams chemistry and botany, Faculty of science</i>	<i>lab</i>
<i>Physical chemistry (thermodynamics)</i>	<i>2nd Department of chemistry</i>	<i>lab</i>
<i>Biochemistry process</i>	<i>All teams of the Department of chemistry, Faculty of science</i>	<i>lab</i>
<i>General Chemistry (1) practical (inorganic physicist)</i>	<i>The first sections of the Division of physics and mathematics of the Faculty of education at Al Jubail</i>	<i>lab</i>
<i>General Chemistry (2) Lab membership</i>	<i>The first sections of the Division of physics and mathematics of the Faculty of education at Al Jubail</i>	<i>lab</i>

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

1 - Chemistry Of Hetero Cyclic Chemistry (lectures):

Name the heterocyclic compounds. Understand the structure, physical and chemical properties, synthesis methods and reactions of heterocyclic compounds, including one and two hetero atoms five and six member rings and fused rings such as (pyrroles, furans, thiophenes, pyridines, oxazoles, imidazoles and pyrimidine... etc), also study molecules of pharmaceutical importance, and natural products some of these compounds

2 - General Chemistry (chem 203) (lectures) :-

Chemical foundations, atoms, molecules, and ions, stoichiometry, types of chemical reactions and solution stoichiometry, atomic structure and periodicity and bonding: general concepts

3 - Organic Chemistry (chem 212) (lectures) :-

This course provides the student with the background needed to understand the chemistry of carbon-containing compounds. Course topics include structure, stereochemistry, nomenclature, properties, and reactions of the major classes of organic compounds

Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution
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(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 Coordination Code	Co-ordination	Undergrad.	Postgrad.	From	To
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Guest/Invited Lectures for Undergraduate Students

#	Activity/Course Title and Code	Subject	College and University or Program	Date
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Student Academic Supervision and Mentoring

#	Level	Number of Students	From	To
	1	55		

Supervision of Master and/or PhD Thesis:-

#	Degree Type	Title	Institution	Date
	<i>Master</i>	<i>One Pot Synthesis And Characterization Of Some Novel Phthalazine Derivatives By Using Microwave Assisted</i>	<i>internal examiner</i>	<i>22/6/1442 4/2/2021</i>

Ongoing Research Supervision

#	Degree Type	Title	Institution	Date
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Administrative Responsibilities, Committee and Community Service (Beginning with the most recent)

Administrative Responsibilities

#	From	To	Position	Organization
<i>1436</i>		<i>1440</i>	<i>Head of Scientific Research Unit</i>	<i>Education College OF Jubail</i>
<i>1435</i>		<i>1436</i>	<i>Head of Standard no. 9 & 10 (Community Service & Scientific Research .</i>	<i>Education College OF Jubail</i>
<i>23/8/1428</i>		<i>1435</i>	<i>Head, Department of physics</i>	<i>Education College OF Jubail</i>
<i>1428</i>		<i>1434</i>	<i>The Chairperson of the Commission on the plants chemistry</i>	<i>Education College OF Jubail</i>
<i>1428</i>		<i>1429</i>	<i>Board member of the Fund for female students</i>	<i>Education College OF Jubail</i>
<i>1427</i>		<i>1428</i>	<i>Chairman of the monitoring committees for the departments in the Faculty of education at Al Jubail</i>	<i>Education College OF Jubail</i>
<i>13/6/1426</i>			<i>An attorney for the students in the Faculty of education at Al Jubai</i>	<i>Education College OF Jubail</i>
<i>1426</i>		<i>1427</i>	<i>Director of college admission and registration</i>	<i>Education College OF Jubail</i>
<i>1424</i>			<i>The Chairperson of the Commission on the conduct of</i>	<i>Education College OF Jubail</i>

		<i>examinations Department of mathematics</i>	
		<i>Member of the committees on ACPA (chemistry, Botany, mathematics) at the Faculty of science for girls Dammam</i>	<i>Science College of Dammam</i>
<i>1437</i>		<i>Participation of Orphan Day</i>	<i>General subject department - Education College OF Jubail</i>
<i>1433</i>	<i>1437</i>	<i>Arbitration charm physic Gallery No. 1-2-3-4</i>	<i>The physical Department - Education College OF Jubail</i>
<i>1437</i>		<i>Arbitration gallery graduation projects for the Department of Computer</i>	<i>The Department of Computer - Education College OF Jubail</i>

Committee Membership :-

#	From	To	Position	Organization
<i>1</i>	<i>1425</i>	<i>At recent</i>	<i>Saudi Chemical Society</i>	<i>Saudi Chemical Society - King Saud University</i>
<i>2</i>	<i>1438</i>	<i>At recent</i>	<i>Member of the Scientific Committee to develop programs</i>	<i>General subject department</i>
<i>3</i>	<i>1428</i>	<i>1440</i>	<i>Chairperson of the Committee labs</i>	<i>General subject department</i>
<i>4</i>	<i>1435</i>	<i>1436</i>	<i>Head of Standard no. 9 & 10 (Community Service & Scientific Research</i>	

Scientific Consultations

#	From	To	Institute	Full-time or Part-time
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Volunteer Work:-

#	From	To	Type of Volunteer	Organization
1437		<i>At recent</i>	<i>Participate in the section on Orphan Day</i>	<i>Department of General Subjects - College of Sciences and Humanities in Jubail</i>
1433		1438	<i>Judging the of Physics galarey No. 1,2,3,4</i>	<i>Department of Physics - College of Sciences and Humanities in Jubail</i>
1437			<i>Arbitration of graduation projects for the Computer Department</i>	<i>Computer Department - College of Sciences and Humanities in Jubail</i>

<i>2020</i>	<i>2021</i>	<i>**Participation in the My Department of General Subjects - College Language event of Sciences and Humanities in Jubail</i>
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***Participation in the
Bullying Forum event*

***Participating in the
activity of promoting
values through
volunteer work*

<i>2022</i>	<i>2023</i>	<i>Participate in the digital Department of General Subjects - College of citizenship event Sciences and Humanities in Jubail</i>
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*Personal Key Competencies and Skills: (Computer, Information
technology, technical, etc.):-*

- 1 - reading*
- 2 - The use of technology in the field of education i.e. e-learning*
- 3 - self-development*



Last Update

5/11/2023