



FACULTY FULL NAME: Azza Abdullah Al-Ghamdi

POSITION: Faculty member "Assistant Professor"

Personal Data

Nationality | Saudi

Department | Chemistry

Official Email | azaalghamdi@iau.edu.sa

Office Phone No. | 33722, +966500663996

Language Proficiency

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

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
11-9-2014	Ph.D	University of Dammam	College of Science– Al Rayan Campus
13-3-2010	Master	University of Dammam	College of Science– Al Rayan Campus
21-3-2001	Bachelor	Science college of girls	College of Science– Al Rayan Campus

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

PhD	Studies on the use of modified Cellulose acetate as a biodegradable polymer in the industry of plastics and fibers
Master	Studies on the Improvement of Poly(acrylonitrile) and Poly (vinyl chloride) Properties through Metal Complexation
Fellowship	-

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work	Date
Assistant professor	College of Science– Al Rayan Campus	11-9-2014 till now
Lecturer	College of Science– Al Rayan Campus	13-3-2010 to 11-9-2014
Teacher Assistant	College of Science– Al Rayan Campus	31-8-2008 to 13-3-2010



Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Supervision of Renewable & sustainable energy unit	Building -7 Second floor	13-3-2023

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	Ahmed H. Ragab, Bahaa Saber Mettwally, Mahmoud F. Mubarak, Azza Al-Ghamdi & Mohamed Hemdan	Eco-friendly Electrospinning of Recycled Nylon 6,12 Waste for High-Performance Nonwoven Nanofibers in Sustainable Textile Applications	Journal of Inorganic and Organometallic Polymers and Materials Jan/2024
2	Nildhara Parsana, Hiral Ukani, Omar A. El Seoud, Azza Al-Ghamdi , Naved Malek	Deep eutectic solvent based self-healable, stretchable and injectable eutectogels: A versatile platform for breast cancer treatment	Chemical Engineering Journal March/2024
3	Norah A. Al-Anazi, Amira H. Alabdallal, Maryam H. Alsoufi, Azza Al-Ghamdi, and Fatimah A. Aldakheel	Promising Abilities of Fungal Lipases of Aspergilli Strains in the Production of Biodiesel from Plant Oil Wastes	energies Jan/2024
4	Nildhara Parsana, Prof. Omar El Seoud, Azza Al-Ghamdi, Naresh Kasoju, Naved Malek	Deep eutectic solvent and poly(vinyl alcohol) based self-healable, injectable and adhesive "eutectogel": An emerging drug delivery vehicle	ChemistrySelect Jan/2024
5	Ahmed Hamd , Doaa Salah, Huda Fadol Alyafei, Nofal K. Soliman, Ahmed A. M. El-Reedy, Ali M. Elzanaty , Sameerah I. Al-Saeedi , Azza Al-Ghamdi , Mohamed Shaban , Refat El-Sayed and Sayed A. Ahmed	NaOH-Activated Natural Glauconite for Low-Cost Adsorption of Congo Red Dye	Water 2023
6	A. S. Najm, Azza Al-Ghamdi, Majdi T. Amin, Ahmed Al Ghamdi, Hazim Moria, Araa Mebdir Holi, Azher M. Abed, Asla Abdullah AL-Zahrani,	Towards a promising systematic approach to the synthesis of CZTS solar cells	Scientific Reports 2023



	K. Sopian, Badariah Bais & Abbas J. Sultan		
7	Ahmed Hamd, Mohamed Shaban, Ghadah M.Al-Senani, Mashael N.Alshabanat, AzzaAl-Ghamdi, Asmaa Ragab Dryaz, SayedA.Ahmed, Refat El-Sayed & N. K. Soliman	Comprehensive evaluation of zeolite/marine alga nanocomposite in the removal of waste dye from industrial wastewater	Scientific Reports 2023
8	Mohamed Abboud , Reem S. Alnefaie, Asla A. AL-Zahrani, Nabil Al-Zaqri, Mohammad Abu Haija , Azza Al-Ghamdi, Mabkhoot Alsaari, Mohammed Jalalah, Omeer Albormani and Mohamed S. Hamdy	Monodispersed NiO Nanoparticles into SBA-15: An Efficient Nanocatalyst to Produce Ketone-Alcohol (KA) Oil by the Oxidation of Cyclohexane in Mild Conditions	Sustainability 2023
9	Lolwah Alfuhaid, Eman Al-Abbad, Shouq Alshammari, Aljawharah Alotaibi, Naved Malek and Azza Al-Ghamdi	Preparation and Characterization of a Renewable Starch-g-(MA-DETA) Copolymer and Its Adjustment for Dye Removal Applications	Polymers 2023
10	Hiral Ukani, Pratyush, Sugam Kumar, Vinod K Aswal, Azza A. Al-Ghamdi, and Naved I. Malek	Cholesterol Mediated Stable Vesicles: A Nano Drug Delivery Vehicle for Anti-cancer Drugs Curcumin and 5-Fluorouracil	ChemistrySelect 2022
11	Monika Jain, Sugam Kumar, Vinod K. Aswal , Azza Al-Ghamdi, Suresh Kumar Kailasa, Naved I. Malek	Amino acid induced self-assembled vesicles of choline oleate: pH responsive nano-carriers for targeted and localized delivery of doxorubicin for breast cancer	Journal of Molecular Liquids Elsevier 2022
12	Azza Al-Ghamdia, T. Indumathib, E. Ranjith Kumar	Green synthesized zinc oxide nanoparticles: Effect of polyethylene glycol and chitosan on structural, optical, and morphological analysis	Ceramics International Elsevier 2022
13	Manzil Patel, Azza Al-Ghamdi, and Naved I. Malek*	Thermophysical, Acoustic, and Refractive Properties of Pure and Binary Mixtures Composed of Imidazolium-Based Ionic Liquids and PEG 600	Journal of chemical & engineering data ACS publication 2022
14	Azza A. Al-Ghamdi, Naved Malek, Ankit Shah, Tapas Patel	Stimuli Responsive Self-assembled Structural Aggregates of Ionic Liquid Based Surfactants as the Membrane Free Microreactors for Dyes Sequestration and Drug Encapsulation	Journal of Molecular Liquids Elsevier 2022
15	Azza A. Al-Ghamdi , Abir S. Abdel-Naby, Nourah Alsharani	Graft of copolymerization of Diallylamine onto starch for water treatment, Characterization, removal of Cu (II) cations and antibacterial activity	Accepted to publish in Journal of Polymer Research 2021



16	Azza A. Al-Ghamdi , Abir S. Abdel-Naby	Effect of crystallinity on the thermal and photostabilization of PVC/poly (AN-DAA) blend	Taylor & Francis , vol. 25, no. 1, 8–17 2020
17	Azza A. Al-Ghamdi , Asma M. EL-Sharif1 , Abir S. Abdel-Naby	Modification of Poly(vinyl chloride) by N-Phenyl Itaconimides for the Improvement of Its Thermal Stability	Hindawi Accepted 24 June 2019
18	Azza A. Al-Ghamdi	Synthesis of Self-colored Thermal Stabilized Acrylonitrile/Itaconic Copolymers	ORIENTAL JOURNAL OF CHEMISTRY Accepted: March 28, 2019
19	Azza A. Al-Ghamdi , Salha N. Al-Harhi , Asma M. EL-Sharif1 , Abir S. Abdel-Naby	Cyclocopolymerization of N,N-Diallylammonium and N,N-Diallylguanidinium Acetate with Acrylonitrile Characterization, Thermal and Morphological Properties	Springer Published online: 8 February 2019
20	Dr. Azza Alghamdi & Dr. Abir Abdel-Naby	Graft Copolymerization of Cellulose Acetate with Nitro-N-Amino Phenyl Maleimides	World Academy of Science, Engineering and Technology International Journal of Chemical and Materials Engineering Vol:12, No:8, 2018 416 International
21	Dr. Azza Alghamdi & Dr. Abir Abdel-Naby	Biodegradable cellulose based materials for the use in food packaging	International Science Index, Chemical and Materials Engineering Vol:12, No:4, 2018 waset.org/Publication/1000 8871
22	Dr. Azza Alghamdi	Improvement of thermal properties of poly(vinyl chloride) using chemical blending assisted ultrasonic technique) volume 29 (10) (2017)	Wiely, 31-8-2017
23	Dr. Azza Alghamdi & Dr. Abir Abdel-Naby	Poly(vinyl chloride) blend with biodegradable cellulose acetate in presence of N-(phenyl amino) Maleimides	Elsevier, 25-6-2014
24	Dr. Azza Alghamdi & Dr. Abir Abdel-Naby	Chemical modification of cellulose acetate by N-(phenyl amino) maleimides: Characterization and properties. Abir S. Abdel-Naby, Azza A. Al-Ghamdi. (2014). International Journal of Biological Macromolecules. Volume 68, pages 21–27	Elsevier, 5-4-2014
25	Dr. Azza Alghamdi & Dr. Abir Abdel-Naby	Chemical modification of Cellulose Acetate by Diallylamine. (2014), International Journal of current, Microbiology and Applied Science. ISSN: 2319-7706 Volume 3, pages 10-24	International Journal of Current Microbiology and Applied Sciences (IJCMAS), (2014)
26	Dr. Azza Alghamdi & Dr. Abir Abdel-Naby	Effect of cyanoguanidine-metal and urea-metal complexes on the thermal degradation of poly(vinyl chloride). (2010), Journal of Vinyl and Additive Technology. Volume 16, Issue 1, pages 15–22.	Wiley, 2010



Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date
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Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
	Azza Al-Ghamdia,b, Mukarram Zubair c, Ismail Anil c, Sukinah Albahrania,b, Alaa Al Adama,b, Raghad Al-Ghamdia,b, Nouf Allahowa,b, Raghd Hantousha,b, Irshad Baiga,b, Asala Al- Zahrania,b, Sanaa Alabbada,b, Fatimah Al- Zahrania,b	Preparation and Characterization of Amine-Terminated PAN Supported with MOFs for CO ₂ Capture Application	Green Sustainable Future in the Kingdom of Saudi Arabia (GiKS) Conference Jan/2024
	Lolwah Alfuhaid, Eman Al-Abbad & Azza Al- Ghamdi	Kinetics and isothermal studies of renewable starch-grafted copolymer in water treatment application	International conference and exhibition for science 2023-King Saud University 6-8/2/2023
	Azza Alghamdi & Abir Abdel-Naby	Graft Copolymerization of Cellulose Acetate with Nitro-N-Amino Phenyl Maleimides	World Academy of Science, Engineering and Technology International Journal of Chemical and Materials Engineering Vol:12, No:8, 2018 416International
	Azza Alghamdi & Abir Abdel-Naby	Biodegradable cellulose-based materials for the use in food packaging	International Science Index, Chemical and Materials Engineering Vol:12, No:4, 2018 waset.org/Publication/10008871

Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
	AzzaAlghamdi & Abir Abdel-Naby. Supported by the deanship of scientific research, Imam Abdulrahman Bin Faisal University	Improvement of thermal properties of PVC through chemical blend using Microwave and ultrasonic techniques. (2015102)	29-3-2016



	Azza Alghamdi & Abir Abdel-Naby. Supported by the deanship of scientific research. Imam Abdulrahman Bin Faisal University	Stabilization of poly vinyl chloride against photo and thermal degradation. (2013133)	2013-2014
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Current Research

#	Research Title	Name of Investigator(s)
1	Innovative Hybrid Model for Solar Power Production Using Parabolic Concentrator with Stirling engine & PCM-storage (phase change materials) in Saudi Arabia for 24H. <u>(Submitted to RDIA)</u>	Dr. Azza Al Ghamdi Dr. Sulaiman Al Hashmi Dr.Laila Alshandoudi Dr. Moos Al Kharusi Dr. Sulaiman Al Obadani Dr. Asala Alzahrani irshad baig
2	Development of Advanced Adsorbent Technologies for H ₂ S Removal from Crude Oil: Ionic Liquids/Metal Organic Frameworks (IL-MOFs) Approach <u>(Submitted to RDIA)</u>	Dr. Azza A. Al-Ghamdi Dr Asala Alzahrani Dr Mukarram Zubair Alaa Al Adam Dr Naved I Malek
3	Synthesis of Economical and Highly Efficient Polymeric Mixed Matrix Membrane for the CO ₂ Capturing and Utilization	Azza Al-Ghamdi, Naved Malek, Asla AL-Zahrani, Amal Alotibi, Jawaher Alghamdi, Hanadi Bagdadi, Irshad Baig, Muidh Alheshibri, Shouq Alshammari, Arwa Alshehri, Shouq Salem (Ministry of education)
4	Economical, Highly Efficient Ionic Liquids/Metal Organic Framework (IL&MOF) based Adsorbents for the Removal of H ₂ S from Crude Oil	Azza Al-Ghamdi, Naved Malek (Aramco)
5	Curious Case of Stimuli Responsive Polymeric Ionogels: De Novo Vehicles for the Protein and Chemotherapeutic Drug for Breast Cancer Treatment and Mammoplasty	Azza Al-Ghamdi, Naved Malek
6	Research and desalination technologies Institute. Saline water conversion corporation	Azza Al-Ghamdi & Abir Abdel-Naby.

Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
	Green Sustainable Future in the Kingdom of Saudi Arabia (GiKS) Conference	Jan/2024 Applied Research Center for Environment and Marine Studies at KFUPM	Poster



The 2nd Laboratory Technical Exchange Forum 2023	Kempinski Al Othman Hotel Al Khobar (Aramco)	Poster
3rd Global Conference on POLYMERS, PLASTICS AND COMPOSITES	Barcelona, Spain	Oral presentation
The 1st Annual Scientific Forum of Science College "ASFC2023"	College of Science 2023	Poster
Study the preparation and characterization of renewable starch-grafted copolymer in water treatment application	International conference and exhibition for science 2023-King Saud University 6-8/2/2023	Oral presentation
Synthesis of Biodegradable Starch Grafted Copolymers Using Free Radical Polymerization for Dye Removal Application	the Second International Webinar on Science, Sustainable Development and Ecosystems in Saudi Arabia	Poster
2nd Virtual International Conference on Chemical Sciences in Sustainable Technology and Development (IC2S2TD-2021) 24th – 26th November, 2021	Department of Chemistry, SVNIT, Surat, Gujarat, India in Association with Chung-Ang University, South Korea 24th November 2021	Speaker
International webinar on Science, Sustainable and Ecosystem in Saudi Arabia SSED 21	6-7 April -2021 Imam Abdulrahman bin Faisal University	Attendance
"Sustainable development in the Al-Baha region"	9-11 march-2021	Attendance
The supervising committee of the first conference of heads and supervisors of academic departments	10-12/11/2020	Attendance
1 st Global conference for giftedness and creativity	8-9-Nov-2020	Attendance
Synthesis of polymeric materials for extraction of metal ions from saline water	Research and desalination technologies Institute 12-2-2020	Oral presentation
20th International Conference on Synthetic Polymer Chemistry and Chemical Engineering to be held in London	United Kingdom during Apr 24-25, 2018.	Oral presentation
The 4th Saudi international : Nanotechnology Conference	King Fahd university of petroleum and meniral. 25-27 october, 2016	Attendance

Membership of Scientific and Professional Societies and Organizations

- Saudi Chemical Society
- American Chemical Society

Teaching Activities



Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
	Seminar	CHEM 520	Lectures
	Spectroscopy of Organic Compounds	CHEM 408	Lectures
	Chemistry of Petroleum and Petrochemical	CHEM 405	Lectures
	Advanced polymer chemistry (Graduate student)	CHEM 523	Lectures
	Physical organic I (Graduate student)	CHEM 528	Lectures
	Polymer Chemistry II	CHEM 513	Lectures
	Polymer Chemistry I	CHEM 501	Lectures
	Industrial Dyes	CHEM 454	Lectures
	Petroleum and petrochemicals	CHEM 356	Lectures
	Special topic in organic chemistry	CHEM 534	Lectures
	Polymer Chemistry I	CHEM 411	Lectures
	Organometallic Chemistry	CHEM 475N	Lectures
	General Chemistry (I)		Lectures
	Organic spectroscopy		Labs
	Organic Chemistry 1		Labs
	Organic Chemistry 2		Labs
	General Chemistry (2)		Labs
	Biochemistry (1)		Labs
	Chemistry of heterocyclic compounds		Labs

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

<p style="text-align: center;">Spectroscopy of Organic Compounds Chem 408</p> <p>Topics covered in this course are the application of a various spectroscopic techniques, including ultraviolet, infra-red and nuclear magnetic resonance spectroscopy, mass spectra for the identification of organic substances.</p>
<p style="text-align: center;">Advanced polymer chemistry Chem 523</p> <p>Recognize the fundamentals of polymer chemistry and its applications. Explain the polymerization reaction mechanisms. Describe the methods of polymerization of high polymers. Discuss the properties of high polymers and how to adjust them for the industrial applications.</p>
<p style="text-align: center;">Polymer Chemistry II CHEM 513</p> <p>The course aims to emphasis the properties of macromolecules and their preparation reaction mechanisms as well as the industrial applications and the instruments used to identify the polymeric matrix. Also, the course focuses on the following topics: Chemical modification of Natural and synthetic polymers, Graft copolymerization, Factors affecting percentages of graft, Spectral characterization of the modified polymers, Polymer Composites, Polymer blend. Thermal properties of polymers: Thermal oxidation, Thermal degradation, Photo-oxidation. Rubber- plastics-fibers, Thermogravimetry (TG), Differential scanning calorimetry (DSC), Differential thermal analysis (DTA), Wetability and dyeability of fibers, Morphology of crystalline polymers.</p>
<p style="text-align: center;">Polymer Chemistry 1 CHEM 501</p> <p>The course aims to emphasis the properties of macromolecules and their reaction mechanisms as well as the practical method of their preparations.</p>



Industrial Dyes CHEM454

Introduction to color and dyes, classification; nomenclature, Manufacture, Types of chromophores, Chemical classification nitro dyes, nitrosodyes, stilbene dyes, triphenodioxazine dyes, Fluorescent Dyes, Reactive Dyes, Disperse Dyes, Direct Dyes, Anthraquinone Dyes , Indigoid Dyes, Sulfur Dyes , Cationic Azo Dyes, Cationic Methine Dyes, Acid Dyes (Anionic Azo Dyes), Solvent Dyes, Metal-Complex Dyes, Fating of dyes on matrix.

Petroleum and petrochemicals Chem 405

Introduction to Primary raw materials petrochemicals, Extraction then synthesis of Hydrocarbon intermediates, Aromatic hydrocarbons. The Channel Process, Furnace Black Process. Thermal Process, Properties, Uses of Carbon Black. Synthesis Gas:, Uses of Synthesis Gas. Naphthenic Acids, Uses of Naphthenic Acids and its derivatives.
Chemicals Based on Methane, Ethane and higher Paraffins –based chemicals, Chemicals based on ethylene, Chemicals based on Propylene. Olefins and Diolefins-Based Chemicals. Chemicals based on Benzene, Xylene and toluene. Synthetic Petroleum-Based Polymers.

Polymer Chemistry CHM411

The course aims to emphasis the properties of macromolecules and their reaction mechanisms as well as the practical method of their preparations .

Organometallic Chemistry Chem 475N

The course aims to give the student the theoretical bases performing the Ionic character of organometallic compounds . Also it gives a direct scope on organometallic synthesis and reactions including several techniques depending on the nature of the metal. Various organometallic reactions should be covered e.g. insertion and deinsertion, self condensation oxidative addition and reductive elimination reactions, Grignard reactions and photochemical reactions, use of organometallic in polymerization reactions and formation of isotactic polymers. The course aims also to give students the experience to use organometallic compounds in the synthesis of some medical drugs.

General chemistry 1 Chem 101N

To study the Matter

To study the laws of definite proportions and the Law of Multiple.

The student learns the matter, atoms, chemical bond and structures.

The student discusses content of atoms and periodical table and realizes, structures of elements.

The student learns methods used to calculate moles/molarity and write lewis structures.

The student realizes Chemical Bonds and its types.

The student familiarizes with atomic, Molecular, and structural Formula.

The student knows chemical formula To study and calculate the moles, molarity, oxidation reduction reactions

General Chemistry (2) (Lab) Chem 203N

Viscosity of liquids, Density of liquids and solids, Surface tension of liquids , Molar mass of volatile liquids Heat of combustion of naphthalene, Heat of neutralization, Heat of fusion of ice, Heat of solution of ammonium nitrate, Measuring the equilibrium constant, Determination of pH and pOH

Acid- base titration, Preparation of buffer solution and determination of buffer capacity.

Organic spectroscopy (Lab) CHEM 436N

IR spectroscopy and molecular mode vibrations - Infrared absorption process - Instrumentation – Sample preparation (solid, liquid and gas). (Training exercise: Spectroscopic identification of Organic compounds: how to use the synergistic information afforded from the combination of mass, UV, IR and NMR spectrato identify the structure of an organic molecule.

Organic Chemistry 1 (Lab) Chem 126N

To know the basis of organic chemistry and its importance.



To know relationship between the molecular structure and properties of organic compounds
To recognize the functional groups in organic compounds and classification of organic compounds .
To study the different sections of the aliphatic organic compounds in terms of the nomenclature , structure physical properties , methods of preparation , chemical reactions and common uses.

Organic Chemistry 2 (Lab) Chem 321N

The course will include: an overview of the liquid purification of organic compounds, purification of solid organic compounds, hydrocarbon aromatic compounds, identification of hydroxyl group (OH) such as alcohols, phenols, carbonyl group (C = O), such as aldehydes and ketones, 4 - carboxyl group (COOH), such as carboxylic acids and their derivatives.

Biochemistry 1 (lab) Chem 261N

To recognize carbohydrates, lipids, proteins, and these materials of great importance in terms of human life provide him with the necessary energy to do all the vital processes.

Physical organic I Chem 528

The course aims to emphasize the properties of macromolecules and their reaction mechanisms as well as the practical method of their preparations

Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Advanced Stereochemistry	CHEM 522	Lectures
2	Seminar	Chem 520	Lectures
3	Advanced polymer chemistry	Chem 523	Lectures
4	Physical organic I	Chem 528	Lecture
5	Special topic in organic chemistry	Chem 534	Lecture

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

1	Advanced Stereochemistry (Chem 522) Topics covered the organic stereochemistry, various chiral and the configuration of alkane, alkene & cyclic compounds. The importance of stereochemistry in organic reaction will be studied also.
2	Advanced polymer chemistry Chem 523 Recognize the fundamentals of polymer chemistry and its applications. Explain the polymerization reaction mechanisms. Describe the methods of polymerization of high polymers. Discuss the properties of high polymers and how to adjust them for the industrial applications.

Course Coordination

#	Course Title and Code	Coordination	Co-coordination	Undergrad	Postgrad.	From	To
	Spectroscopy of Organic compounds	✓		✓		2023	2023
	Chem of Petro & Petrochem	✓		✓		2022	2023
	Polymer chemistry I	✓		✓		2022	2023
	Polymer Chemistry II	✓		✓		2021	2022



	Advanced Stereochemistry Chem 522	✓			✓	2022	2023
	Advanced polymer chemistry	✓			✓	2021	2022
	Physical organic I	✓			✓	2020	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
	6-10 levels	14	1 November 2016	Till now

Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date
	Master's degree	Synthesis of Biodegradable Starch Grafted Copolymers Using Free Radical Polymerization for Dye Removal Application (Lolwah Alfuhaid)	Imam Abdulrahman bin Faisal University	2021- 2023
	Master's degree	Studies on the chemical modification of natural polymers for some industrial applications (Arwa Alluqman)	Imam Abdulrahman bin Faisal University	2019-2020
	Master's degree	Studies on Synthesis and Characterizations of Starch Base Copolymers and its Adjustment for Various Industrial Applications (Nourah Alsharani)	Imam Abdulrahman bin Faisal University	2017-2018

#	Degree Type	Title	Institution	Date
	Examiner for Master's degree for Monerah Ahmed Hassan Almarzooq	Synthesis and Characterization of Some Novel Nonionic Surfactants Derivatives for Oil and Gas Industry	Imam Abdulrahman bin Faisal University	2022
	Examiner for Master's degree for Jenan Alrasheed	Design, synthesis of some novel imidazopyrazole derivatives & assessment for their anti-diabetic activity	Imam Abdulrahman bin Faisal University	2021



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

Administrative Responsibilities

#	From	To	Position	Organization
	2023	Till now	Member of the advisory board for faculty members	Dean of Scientific Research

Committee Membership

#	From	To	Position	Organization
	2022	Till now	Coordinator	Planning & Strategic and risk management committee
	2016	2022	Coordinator	Electronic committee
	2014	Till now	Member	Postgraduate committee
	2016	2022	Member	Quality committee

Scientific Consultations

#	From	To	Institute	Full-time or Part-time
	2023	now	SASO	Part time

Volunteer Work

#	From	To	Type of Volunteer	Organization
	2023	2023	Examiner in (Mawhiba) competition	King Abdulaziz & his companions foundation for giftedness & creativity
	2023	2023	Funny day for orphans	Imam Abdulrahman Bin Faisal University
	2022	2022	Participate in the exhibition in Arabic week of chemistry for intermediate and secondary school	Imam Abdulrahman Bin Faisal University
	2022	2022	Prepare course specification for two courses namely (General chemistry I & General chemistry II)	Science college with Education ministry (Science Teacher Diploma)
	2021	Till now	Lecture for secondary students about (How to read scientific paper)	Science college with Education ministry (التلمذة البحثية)
	31-1-2021	31-3-2021	Supervision of secondary student (Dana Alqahtani) Research apprenticeship	Science college with Education ministry
	5-11-2020	27-2-2021	Supervision of intermediate student (Alzahra Alsheikh) that participate in The Global Conference for Giftedness and	Conference for Giftedness and Creativity



			Creativity (Mawhiba) and reach to the third stage	
30-5-2015	Till now		Training the alumni students from Chemistry department in researching labs	Alumni and Career Development Centre.
26-11-2016	2017		medical succor program in neighborhood and First Aid Program	Saudi Red Crescent Authority
20-4-2015	2016		Member of Mawhiba program	King Abdulaziz and His Companions Foundation for Giftedness and Creativity (Mawhiba)

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

Computer experience in Microsoft Office and Chem draw program
Ability to deal with some instruments in research labs such as (IR, UV & TGA)
Ability to work as part of a team
Attention to detail
Good communication and interpersonal skills

Last Update

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