



# Suhailah Saud Abdulaziz Al Jameel

Assistant Professor

## Personal Data

Nationality | Saudi

Date of Birth | 08/June/1981

Department | Chemistry

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## Language Proficiency

Language	Read	Write	Speak
Arabic	excellent	excellent	excellent
English	excellent	excellent	excellent

## Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2014	Doctorate	Chemistry Department – College of science- University of Dammam	Saudi Arabia
2008	Master	Chemistry Department – College of science- king Faisal University- Dammam	Saudi Arabia
2003	Bachelor	Chemistry Department – College of Girls Science- Dammam	Saudi Arabia

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

<b>PhD</b>	Biochemical Studies of antioxidants and antioxidants' nanoparticles on oxidative stress induced by using Cisplatin and Methotrexate in experimental rats
<b>Master</b>	Biochemical Studies on the activity of some Antioxidant Enzymes in the patients with Hypertension

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

Job Rank	Place and Address of Work			Date
Assistant Professor	Chemistry Department	College of Science	Imam Abdulrahman Bin Faisal University ( <i>University of Dammam Formerly</i> )	2014

Researcher	Chemistry Department	Research unit- University of Dammam	University of Dammam	2009-till now
Lecturer	Chemistry Department	College of Science	University of Dammam	2006
Demonstrator	Chemistry Department	College of Science	University of Dammam	2008

## 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	Soheir N. Abd El-Rahman and Suhailah S. Al-Jameel.	Quercetin nanoparticles: preparation and characterization.	Indian Journal of Drugs (2014)
2	Soheir N. Abd El-Rahman and Suhailah S. Al-Jameel.	Efficacy of nanocurcumin in F-2 isoprostanes in male rats treated with Cisplatin and Methotrexate as chemotherapy drugs.	International Journal of Sudan Research (2014)
3	Soheir N. Abd El-Rahman and Suhailah S. Al-Jameel.	Protection of Curcumin and Curcumin Nanoparticles against Cisplatin Induced Nephrotoxicity in Male Rats.	Sch. Acad. J. Biosci (2014)
4	Soheir N. Abd El-Rahman; and Suhailah S. Al-Jameel	Synergistic effect of quercetin nanoparticles on liver and pancreas tissues and oxidative stress of STZ-induced diabetic rats	Asian Journal of Chemistry (2017)
5	Suhailah S. Al-Jameel and Mashaal M. Al-Namshan	Protective effect of black rice extract on the functional status of liver and hepatic stellate cell against toxicity induced by ethanol	Journal of Indian chemical society (2017)
6	Soheir N. Abd El-Rahman and Suhailah S. Al-Jameel	Effect of quercetin nanoparticles on the kidney of the STZ-induced diabetes in male rats: A histological study and serum biochemical alteration.	African journal of biotechnology. (2017)
7	Suhailah S. Al-Jameel Soheir N. Abd El-Rahman Sahar Al dossary	Comparative study of antimicrobial and antioxidant activity of the oil of Boswellia (frankincense) and synthesized silver nanoparticles	Journal of Food, Agriculture & Environment (2018)
8	Soheir N. Abd El-Rahman, Suhailah S. Al-Jameel, Sara Nabil and Asma El Sharif	Conversion of curcumin into heterocyclic compounds as potent anti-diabetic and anti-	Biological and Pharmaceutical Bulletin (2018)



		histamine agents	
9	Suhailah S. Al-Jameel and Soheir N. Abd El-Rahman	Preventive effect of black rice antioxidant extract on oxidative stress induced by ethyl alcohol	African Journal of Biotechnology (2018)

#### Current Researches

#	Research Title	Name of Investigator(s)
	Protective effect of curcumin and ZnCl <sub>2</sub> on STZ- induced oxidative stress in diabetic rats.	In progress

#### Research interests include:

1	Reading books about some diseases and its relationship to behavioral patterns and environmental factors.
2	Readings in the immune system and the immune system science.
3	Enzymes and their roles in human health.
4	Oxidative stress and their harmful effects to the body.
5	The protective role of antioxidants.

#### Contribution to Scientific Conferences and Symposia

#	Conference Title
	Arab conference on development and economic impacts of nanotechnology (2011).
1	Attend the first and the second forum for graduate students and research (2012-2013).
2	Coordinate the Third Scientific Conference for students in higher education in the Kingdom of East region - about creativity and knowledge-based generation leadership privileged (2013).
3	Preparatory meeting for the fourth scientific conference for students and graduate students (2014).
4	Preparatory meeting for the Fifth Scientific Conference for students and graduate students (2014).
5	Scientific Meeting on Environment and Development in the Arabian Gulf Conference (Twenty-ninth meeting) (2014).
6	Attend (The first national conference preparatory year in Saudi universities) (2015).
7	Attend (The first Forum of Universities Aramco Saudi Arabia) (2015).
8	Attend (The Fourth Saudi International Conference on Nanotechnology) at KFUPM (2016).
9	Attend the Scientific Forum (Educational Coffee)- university of Dammam. (2017).
10	Attend the Symposium on "Water Pollution and its Impact on the Environment" presented by the Saudi Chemical Society. (2017).
11	Attend the effectiveness of the Arab Chemistry Week organized by the Chemistry Club and the Saudi Chemical Society. (2017)

#### Training Courses

1	Attend a training course entitled "social guidance and counseling students in the role of the university adjustment process." (2008).
2	Attend the training program (develop research capacity in the Kingdom: the formulation of the idea and Management Research) Introduction of the Vice President for Graduate Studies and Scientific Research in



	University of Dammam (2014).
3	Attend a training course entitled (To raise the ranking of universities), held in Istanbul- Turkey (2015).
4	A training course for developing public speaking – introduced by Toastmaster club in Aramco- organized by the Saudi chemical society. (2017)

#### Membership of Scientific and Professional Societies and Organizations

- Member of the Saudi Chemical Society.

### Teaching Activities

#### Undergraduate

#	Course/Rotation Title	No./Code
1	Biochemistry 1 (Theoretical Lectures).	261 CHEM
2	Biochemistry (Biology department ) (Theoretical Lectures).	303 N
3	Research project (Students Supervision)	474 CHEM
4	Biochemistry (1) (lab).	261 CHEM
5	Biochemistry (2) (lab).	362 CHEM
6	General chemistry (1) (lab).	101 CHEM
7	Organic chemistry (lab).	162 CHEM
8	Organic preparation (lab)	459 CHEM
9	Analytical chemistry (lab supervision)	241 CHEM
10	Coordinatin chemistry (lab supervision)	333 CHEM
11	Chemistry of polymers	458 CHEM
12	Chemical analysis (lab supervision)	443 CHEM
13	Computer application in chemistry (lab supervision)	372 CHEM

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

1	<u>Biochemistry 1 – CHEM 261</u> : The course covers chemical concepts related to vitality such as chemical bonds, functional groups, chemical balance, energy, building units of cell components, water structure and properties. Also, includes a detailed introduction to the chemical composition and bio-value of the biomolecules of carbohydrates, lipids, amino acids, proteins, enzymes, hormones, nucleic acids, vitamin and hormones.
2	<u>Biochemistry (Biology) – 303 N</u> : This course provides studying the chemistry of carbohydrates, lipids, proteins, nucleic acids, enzymes, vitamin and hormones. Also, its study in terms of chemical composition, naming, chemical bonds, various types and its vital role in the body.
3	<u>Research ptoject – CHEM 474</u> : Deals with the basic and fundamnetal steps on doing scientific research, wrtining proposal, citation, and skills of presentation.

### Postgraduate

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

### Course Coordination

#	Course Title and Code	Coordination	Co-coordination	Undergrad.	Postgrad.	From	to
1	Biochemistry 1 , 261 Chem	✓		✓		Each 1 <sup>st</sup> or 2 <sup>nd</sup> semester	
2	Biochemistry (Biology), 303 N	✓		✓		Each 1 <sup>st</sup> or 2 <sup>nd</sup> semester	

### Scientific research centers that have been utilized:

1	Central Laboratory departments of science and medical studies at King Saud University (Analysis of sample) (2012).
2	Research and Development Center at SABIC company (Analysis of samples) (2012) .
3	Labs at King Fahd University Hospital (Analysis of samples) (2013).
4	Prince Mohammed bin Fahd Center for Research and development in the University of Dammam (Analysis of samples- biological experiment on experimental rats) (2013).

### Scientific Visits:

1	Scientific visit to the hospital childbirth and children in Dammam with the students to identify the various chemical analyzes of medical devices used in the analysis (2013).
2	Scientific visit to King Fahd University Hospital with the students to learn about the types of laboratory and medical tests (2013).
3	Scientific visit of Prince Sultan bin Abdulaziz City for Science and Technology (SciTech) with the students (2012).

### Professional development programs:

1	Workshop (How to Find Information on the rules of the Saudi Digital Library of the Ministry of Higher Education site). (2011).
2	Workshop (Using the electronic catalog for libraries of University of Dammam and federated search engine). (2013).
3	Workshop (definition of academic guidance). (2013).
4	Workshop (nine errors cause the most scientific journals have to refuse publication by the Arab researcher) organized by the Scientific Research in the university. (2013).
5	Workshop (Academic Advising for students and graduate students). (2014).
6	Workshop (higher-order thinking skills) provided by the Deanship of Education Development (2014).
7	Workshop (Teaching through learning teams) provided by the Deanship of Education Development (2015).
8	Workshop (The use of iPad in education) provided by the Deanship of Education Development (2015).
9	Workshop (Advancing Differentiated Instruction) provided by the Deanship of Education Development (2015).



10	Workshops to learn the system Blackboard Advanced (2015).
11	Workshop (Teaching through projects) provided by the Deanship of Education Development (2015).
12	Workshop (Chapters inverted) provided by the Deanship of Education Development (2015).
13	Workshop (Thinking development strategies) provided by the Deanship of Education Development (2015).
14	Workshop on how to take advantage of electronic sources on university of Dammam site titled "summon & opac" (2015).
15	Workshop (Electronic tests) provided by the university of Dammam (2015).
16	Workshop (Integration of communication skills in the curriculum) provided by the Deanship of Education Development (2015).
17	Workshop (The role of a faculty member in the development of the academic program) provided by the university of Dammam (2016).
18	Workshop (Formative assessment strategy) provided by the Deanship of Education Development (2016).
19	Workshop (The survey orientated strategy) provided by the Deanship of Education Development (2016).
20	Workshop (Art lecture for university professor) provided by the Deanship of Education Development (2016).
21	Workshop (To develop the quality and outputs of the research) provided by the University Agency for Graduate Studies and Scientific Research. (2016)
22	Workshop (Research funding) provided by the University Agency for Graduate Studies and Scientific Research. (2016)
23	Workshop (How to use Google drive) provided by the Saudi chemical society. (2017)
24	Workshop (An introductory course about the publishing house (Pearson) and the default factor provided by College of Science. (2017)
25	Lecture (Leadership in Chemistry) provided by the Saudi chemical society. (2017)
26	Workshop (How to take advantage of electronic resources on the site of University using the Web of Science) provided by the Deanship of Library Affairs. (2017)
27	Workshop (Google Scholar service for citations using Google Scholar Citation) provided by the Deanship of Library Affairs. (2017)
28	Lecture (Introduction to the 2016 Chemistry Program for Students) - Chemistry Department, College of Science. (2017)
29	Workshop (Preparation of the strategic plan of the College of Science) organized by the Agency's Administrative Development Agency. (2017)
30	Workshop (Use of the calendar in the teaching process and how to build a table of specifications) - Organized of the Deanship of the development of university education. (2017)
31	Scientific meeting (the use of rubrics in evaluating the research project) at chemistry department. (2017)
32	Scientific symposium (Chemistry in our lives) -Chemistry Department, College of Science (2017 )
33	Workshop (Writing references using Mandali) – provided by Chemistry Department, College of Science. (2017)
34	Training program (Risk Management) – Organized of Strategic Planning Unit at the University. (2017)
35	Workshop (The role of the faculty member in the development of professional performance) - Organized of the Deanship of the development of university education. (2017)
36	Workshop (Developing Core Competencies in Teaching and Learning) - Organized of the Deanship of the development of university education. (2017)
37	Training program (Safe management of chemicals) – Organized of Administrative Development Agency in cooperation with the branch of the Saudi Chemical Society. (2017)
38	Lecture (First Aid in Chemistry Laboratories) – provided by Saudi Red Crescent Authority - Chemistry Department, College of Science. (2017)
39	Workshop (Mentor and Mentee) - provided by Center for Academic Leadership (Ministry of Education). (2017).
40	Lecture (Introductory meeting of the assessment and testing policy) - provided by the Deanship of Academic



	Affairs. (2017)
41	Lecture (Definition of scientific services and publishing)-provided by the University Agency for Graduate Studies and Scientific Research. (2017)
42	Lecture (Enriching Talent- Presenting a lecture explaining the stages of research as an integrated idea by presenting a research of specialization) - Organized of College of Science at the University. (2018)
43	The induction meeting on the processing of laboratories to obtain ISO 17025: 2017- Provided by the University. (2018)
44	Attend all scientific meetings in chemistry department in each semester.

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

#### Committee Membership

#	From	To	Position	Organization
1	2007	2014	Member	Committee on Academic Advising in Chemistry Department.
2	2011	2013	Member	Committee of tables in Chemistry Department.
3	2008	2009	Member	Community service in Chemistry department (2008-2009).
4	2009	2010	Member	Member of the committee for Security and Safety in Chemistry Department
5	2007	2013	Member	Monitoring exams Committee in Chemistry Department.
6	2010	2011	Member	Activities committee in Chemistry Department.
7	2007	2008	Member	Monitoring committee uniforms.
9	2014	2015	Chair	Quality and Accreditation in Chemistry Department.
10	2015	2016	Member	Graduate Studies Committee Chemistry Department.
11	2015	2016	Chair	The organizing committee of the conduct of tests in Chemistry Department.
12	2016	Till now	Head	Head of Chemistry department.
13	2017	Till now	Member	The Strategic Planning Committee in College of Science.
14	2017	Till now	Member	The Advisory Committee of the Quality, Development and Academic Accreditation Unit- Chemistry Department.
15	2017	Till now	Member	Committee for the nomination of faculty members, recruits, lecturers, assistant researchers and language teachers.
16	2017	Till now	Member	Member of the Advisory Committee for the Chemistry Program.
17	2017	Till now	Member	Member of the Faculty of Science Council.



### Volunteer Work

#	From	To	Type of Volunteer	Organization
1	December 2011	January 2011	Coordinated the Third Student Scientific Conference on Higher Education.	College of Science, University of Dammam
2	2011	2011	Participated in national center for assessment in higher education for high school graduates. (Qiyas)	College of Science, University of Dammam
3	December 2015	June 2016	Development of the curriculum plan for the chemistry program	College of Science, University of Dammam
4	Every year		Participated in guidance and counseling and educational administration student	College of Science, University of Dammam
5	Summer (2016)		Managing the International Summer Mawhiba Program (SARSI- 2016). (manager of the program)	College of Science (University of Dammam), Saudi Aramco Company, the Center of Excellence in Education (CEE) and King Abdulaziz & his Companions Foundation for Giftedness & Creativity.
6	2017- 2018		Arbitration of scientific research for gifted students in the field of scientific research and innovation (chemistry)	Al Bassam National schools

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

1	Laboratory experiences during M.V.Sc and PhD as different assays techniques in the lab Products preparation and extraction experiences for lab. Animals, etc.
2	Computer Skills: skills in computer programs as office, word 96- 2010 for window- Microsoft excel, outlook-power point- SPSS --Slid write and graph pad for statistics.
3	Searching data bank: Chemical abstracts and SciFinder.

### Last Update

September / 2018