



# Dr. Noura Othman Alzamil

Assistant Professor

## Personal Data

Nationality |saudi

Department |Chemistry

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## Language Proficiency

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

## Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2008	PhD	University of Dammam	Dammam
1997	Master	University of Wisconsin- Milwaukee UWM	USA
1985	Bachelor	Science College	Dammam

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

<b>PhD</b>	Synthesis, Characterization and NMR Spectroscopic Studies of the Silver(I) Complexes with Heterocyclic Thiones and Tertiary Phosphines as Ligands
<b>Master</b>	The Reaction of Gold (III ) Tetracyanide with Albumin and Glutathione

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

Job Rank	Place and Address of Work	Date
Assistant Professor	University of Dammam	26/12/1429
lecturer	Science College for Girls	27/3/1423
Teaching Assistant	Science College for Girls	22/6/1421

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

Administrative Position	Office	Date
Head of Chemistry Department.	Chemistry Department GF23	( 2010 -2014 )

## 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	N.O. ALZAMEL F. ALAKHRAS, A.A. AL-ARFAJ, M.A. AL-KHALDI, N.A. AL-OMAIR, E. AL-ABBAD, A.A. WASSEL and N. OUERFELLI	On the Homographic Dependence of Activation Energy and Viscosity Arrhenius' Temperature for Some Pure Fluids	ASIAN JOURNAL OF CHEMISTRY 21 July 2018
2	A.A. AL-ARFAJ, F. ALAKHRAS, E. AL-ABBAD, N.O. ALZAMEL, N.A. AL-OMAIR and N. OU	Removal of Orange 2G Dye from Aqueous Solutions Using TiO <sub>2</sub> -Based Nanoparticles: Isotherm and Kinetic Studies	ASIAN JOURNAL OF CHEMISTRY 31 may 2018
3	Mohamed Dallel, Ahlam A. Al-Arfaj, Nuhad A. Al-Omair, Mishael A. Alkhalidi, Noura O. Alzamel,	A novel approach of partial derivatives to estimate the normal boiling temperature via the viscosity Arrhenius behavior in N,N-dimethylformamide + ethanol fluid systems	ASIAN JOURNAL OF CHEMISTRY 11/5/2017
4	A.A. WasselNoura Othman AlzamilMishael AlkhalidiA,.A. Al-Arfaj	Physico-chemical and analytical study of Metoprolol tartrate: An antihypertensive drug.	ASIAN JOURNAL OF CHEMISTRY Apr 2017
5	Ahlam A. Al-Arfaj ,Rami B. H. Kacem, Lotfi Snoussi, Narcisa Vrinceanu ,Mishael A. Alkhalidi, Nora O. Alzamel and Nouredine Ouerfelli	Correlation Analysis of the viscosity Arrhenius-type equations parameters for some binary liquids mixtures	Mediterranean Journal of Chemistry January 4th, 2017
6	Hanan SalhiDr. Shaik. BabuA.A. Al-Arfaj, Nouredine Ouerfelli. Nora O. Alzamel	The reduced Redlich-Kister equations for correlating excess properties of 1,2-dimethoxyethane + water binary mixtures at temperatures from 303.15 K to 323.15 K.	Rasayan Journal of Chemistry Dec 2016
7	H. SALHI, N.A. AL-OMAIR A.A. AL-ARFAJ, M.A. ALKHALDI, N.O. ALZAMEL, K.Y. ALQAHTANI and N. OUERFELLI	Correlation Between Boiling Temperature and Viscosity Arrhenius Activation Energy in N,N-Dimethylformamide + 2-Propanol Mixtures at 303.15 to 323.15 K	ASIAN JOURNAL OF CHEMISTRY 1/6/2016
8	R.B. Haj-Kacema, N. O. Alzamela, N.A. Al-Omaira, M.A. Alkhalidia, A.A. Al-Arfaja, N. Ouerfellia	Sensitivity of viscosity Arrhenius-type equation to density of liquids	ASIAN JOURNAL OF CHEMISTRY 10/8/2016
9	N.O. Alzamel · M.A. Alkhalidi · R.B. Haj-Kacem and N. Ouerfelli	Regression analysis and statistical tests for correlation between the viscosity Arrhenius parameters and the physicochemical properties of some pure liquid solvents and its mixtures. (2014207).	Saudi Journal of Medicine & Medical Sciences University of Dammam, KSA 3/2015
10	A. Messaâdi, H. Salhi, D. Das N.O. Alzamil, M.A. Alkhalidi, N. OuerfelliA.H. Hamzaoui	A novel approach to discuss the viscosity Arrhenius behaviour and to derive the partial molar properties in binary mixtures of N,N-dimethylacetamide with 2-methoxyethanol in the temperature interval (from 298.15 to 318.15) K	Physics & Chemistry of Liquids Publisher: Taylor @Francis 2014



11	H. Salhia, M. Dallela, Z. Trabelsia, N.O. Alzamilb, M.A. Alkhalidib & N. Ouerfellib	Viscosity Arrhenius activation energy and derived partial molar properties in methanol + N,N-dimethylacetamide binary mixtures at temperatures from 303.15 K to 318.15 K	Physics & Chemistry of Liquids Publisher: Taylor @Francis 2014
12	Norah Alzamil, Khulood S., AnvarhuseinA., Mohamed I., Abdul Rehman A.	Solid state and solution NMR, X-ray and antimicrobial studies of 1:1 and 2:1 complexes of silver(I) cyanide with alkanediamine ligands.	Journal InorganicaChimicaActa 360 (2007) 3719-3726
13	Anvarhusein A., MohamedI., Mohammed F. Bassem A., Abdul RahamanNorah Alzamil.	Silver(I) complexes of Imidazolidine-2-thione and triphenylphosphines: Solid – state, solution NMR and antimicrobial activity studies.	Spectroscopy 21 (2007) 61-67
14	Annaurna J., norahAlzamil, Matthew P., AnvarhuseinA., Frankshaw.	Redox and ligand exchange reaction of potential gold(I) and gold(III)-cyanide metabolites under biomimetic conditions	Journal of Inorganic Biochemistry 85 (2001) 67-76

#### Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date
	Mohamed Dallel, Ahlam A. Al-Arfaj , Nuhad A. Al-Omair, Mishael A. Alkhalidi , Noura O. Alzamel,	A novel approach of partial derivatives to estimate the normal boiling temperature via the viscosity Arrhenius behavior in N,N-dimethylformamide + ethanol fluid systems	ASIAN JOURNAL OF CHEMISTRY	11/5/2017

#### Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
1	H. Salhi · N. Al-Eidan · N. Al-Otaibi Ouerfelli, N.O. Alzamil, M.A. Alkhalidi	Methanol complexes and clusters detection through the viscosity Arrhenius derived properties in methanol + N,N-dimethylacetamide binary mixtures from 298.15 K to 318.15 K.	First Tunisian Chemical Society Conference on Coordination Chemistry. Tunisia. 8-10 May 2015
2	N. Dhouibi · A. Messaâdi · H. Hamda , N.O. Alzamil, M.A. Alkhalidi Al-Omaira, M.A. Alkhalidia, A.A. Al-Arfaja, N. Ouerfellia	Certificates of Co-authors attending The Eighteenth National days of Chemistry JNC 18, Monastir 21-23 Déc. 2014) Tunisia.	The Eighteenth National days of Chemistry JNC18, 21-23 Déc. 2014, At Monastir, Tunisia.
3	H. Salhi, Z. Trabelsi, M. Hichri, N. Ouerfelli, N.O. Alzamil,	C.N.23. (Poster) Correlation between the reduced Redlich-Kister functions and the limiting excess partial molar properties of N,N-dimethylacetamide + 2-ethoxyethanol binary mixtures.	The Eighteenth National days of Chemistry JNC18, 21-23 Déc. 2014, At Monastir, Tunisia
4	M. Dallel · M. Hichri · H. Hamda N. Ouerfelli, , N.O. Alzamil, A.A. AL-ARFAJ2	C.N.22. (Oral presentation in French) Etude de l'effet de la température d'Arrhenius sur la viscosité des solvants purs et mixtes.	The Eighteenth National days of Chemistry JNC18, 21-23 Déc. 2014, At Monastir, Tunisia



### Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
1	N. O. Alzamela, R.B. Haj-Kacema, M.A. Alkhaldia, N. Ouerfella	Correlation study between the viscosity Arrhenius parameters and the physicochemical properties of some pure liquid solvents and its mixtures.	15/01/2016
2	R.B. Haj-Kacem, N. Ouerfelli, N.O. Alzamel, A.H. Hamzaoui	Statistical investigations of correlation between parameters' equations related to the viscosity temperature-dependence in Newtonian liquids systems. (2015014).	31/12/2015
3	N.O. Alzamel, M.A. Alkhaldi, R.B. Haj-Kacem, N. Ouerfelli	Regression analysis and statistical tests for correlation between the viscosity Arrhenius parameters and the physicochemical properties of some pure liquid solvents and its mixtures. (2014207).	31/12/2014

### Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	Workshop IPAD in Education	A member of Saudi Chemical Society (SCS)	attendance
2	Assessment in teaching and how to build a table of specifications	UOD	attendance
3	Workshop (XRD)	Science College -UOD	attendance
4	Annual Gathering-SAICSC-ACS 2016	A member of Saudi Chemical Society (SCS) SciTech 2016	attendance
5	Performance Indicators	Science College -UOD	attendance
6	Public Speaking	A member of Saudi Chemical Society (SCS) UOD ٢٠١٦/١٢/٢٧	attendance
7	Leadership in Chemistry	A member of Saudi Chemical Society (SCS) - SciTech ٢٠١٦/١٢/١٠	attendance
8	The Essential Academic Leader	Academic Leader Center 16-17/10/2016	attendance
9	Electronic Tests	UOD 28-1-1437	attendance
10	Attended the lecturer entitled Nanotechnology for Sustainable World Nanotechnology for sustainable development	UOD 2.May. 2016	attendance



#	Conference Title	Place and Date of the Conference	Extent of Contribution
11	Attended the lecturer entitled Nanotechnology for Sustainable World Photocatalytic applications in organic synthesis	UOD 3.May. 2016	attendance
12	Attended the lecturer entitled Nanotechnology for Sustainable World Skills of writing research article- research proposals	UOD 4.May. 2016	attendance
13	Water Pollution and its impact on the environment	UOD 20/6/1437H	attendance
14	Develop basic skills in teaching and learning in higher education	Institute of Public Administration Easter 4 days 1/1437H	attendance
15	Attended the 4th Saudi International Nanotechnology Conference (SINC 2016 ) Held from	(KFUPM) 25th -27th October .2016	attendance
16	Workshop in ELECTRONIC resources "summon & opac"	UOD 29/11/1436	attendance
17	Workshop in gratitude for participating in the 1 <sup>st</sup> Saudi Aramco University Collaboration Forum on	Saudi Aramco University April 27-28,2015.	attendance
18	Leadership in the Universities ( Change & Development ) – Istanbul	Istanbul 15-19 / 6 / 2014	attendance
19	Environment and Development in the Gulf Region 27/ 2 / 2014	UOD	attendance
20	Applied attend a seminar on the management of the conflict in the work environment at Region Branch dated	Institute of Public Administration Eastern Region Branch dated 11/06/1434 to 13/06/1434	attendance
21	Attend the International Exhibition and Conference on Higher Education in Riyadh on	Ministry of Higher Education April 16 to 19, 2013 AD	attendance
22	Fifth Saudi Conference at the University of Petroleum and Minerals	University of Petroleum and Minerals 2012	attendance
23	Attend a workshop in communication skills with the decisions of Princess Jewahr Hall, Faculty of Science	University Of Dammam 03/18/1434 AH	attendance
24	The presence of preparing the annual report of the program the University of Dammam	UOD 06/02/2013	attendance
25	Attend The Fifth Saudi Conference at the university of umm AlQura	Maca ٢٠١٢/٤/١٨-16	Poster-
26	Attend a Nano conference at king Fahd University of Petroleum and Minerals in	at king Fahd University of Petroleum and Minerals 2011	attendance
27	Characterization of the presence of the program in accordance with the standards of quality and academic accreditation University of Dammam 04/05/1433	University Of Dammam 04/05/1433	attendance
28	Participate in management meetings at the Institute of Public Administration in Dammam from	UOD 20/5/1432 to e 22/5/1432 AH	attendance



#	Conference Title	Place and Date of the Conference	Extent of Contribution
29	Participation in the analytical chemistry - Moroccan Association for Analytical Chemistry	Moroccan 17-19-3-2010	Poster
30	Attend the Arabic conference about the economic effects in Nano technology	(KFUPM) 11-13-/4/1431	attendance
31	Attend a scientific meeting (the product of the scientific pioneers) - Deanship of Scientific Research.	UOD 20/4-2/5/1429	attendance
32	Attend the panel discussion "to discuss regulations for the presence of conferences and seminars" - (Department of Chemistry)	UO06/01/1429	attendance
33	Attend the meeting to clarify the mechanism of action, King Abdulaziz City for Science and Technology - Faculty of Science, Dammam	King Abdulaziz City for Science and Technolog 02/03/1428	attendance
34	Attend the First Saudi conference of Sciences (the role of science faculties in the UK - Education creator and Industrial Research. -	King Fahd University 15-17 / 1/1422	attendance

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

- A member of American Chemical Society (ACS))
- A member of Saudi Chemical Society (SCS)

#### Teaching Activities

##### Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Coordination Chemistry. NEW	CHEM 409	15 lectures,12 labs
2	Chemistry of transition elements NEW	CHEM 403	15 lectures
3	General Chemistry1	CHEM203N	15 lectures,12 labs
4	General Chemistry 2	CHEM142N	15 lectures,12 labs
5	Inorganic Chemistry of transition elements	CHEM231N	15 lectures,12 labs
6	Inorganic Chemistry major groups	CHEM232	15 lectures,12 labs
7	Coordination Chemistry.	CHEM 333N	15 lectures,12 labs
8	Mechanics interactions inorganic.	CHEM 437N	15 lectures,12 labs
9	Coordination Chemistry lab	CHEM 333N	12 labs
10	Introductory to Analytical Chemistry (lab).	CHEM301N	12 labs
11	Organic Chemistry (1) (lab).	CHEM302N	12 labs
12	Biochemistry (1) (lab).	BIOCH401N	12 labs

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

	General Chemistry1
	General Chemistry 2
	Inorganic Chemistry of transition elements



	Inorganic Chemistry major groups
1	<b>Coordination Chemistry - CHEM 333</b>  -Coordination compounds (complexes): definition and types, the nature of coordination bond, ligands types in terms of the number of donor atoms that contain related.  -Geometric shapes of the complexes and the coordination numbers CN = 1 to CN = 8.
2	<b>Mechanics interactions inorganic- CHEM437N</b> Inorganic Reaction Mechanism of Some Inorganic Compounds in Homogeneous Solutions. Kinetics and Mechanism in Reaction of Complex Ions. A Classification of Inorganic reactions.

#### Course Coordination

#	Course Title and Code	Coordination	Co-coordination	Undergrad.	Postgrad.	From	to
	Coordination Chemistry - Chem 333	✓		✓		2014	2018
	Mechanics interactions inorganic.	✓		✓		2014	2018

#### Student Academic Supervision and Mentoring

#	Level	Number of Students	From	to
	5 & 7	٢٨	9/2016	2018

#### Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date
	Master	Synthesis, Crystal Study and Characterization of Nonmetal Cations Borate Hybrid Compounds	Uod	2015-2017

#### Administrative Responsibilities, Committee and Community Service

(Beginning with the most recent)

##### Administrative Responsibilities

#	From	To	Position	Organization
1	11/١٥/2016	present	Financial officer of the Saudi Chemical Organization(SCS) in the eastern province.	Saudi Chemical Society (SCS)
2	11/05/2016	present	Student Discipline Committee	IAU
3	2010	2014	Head of Chemistry Department	IAU

##### Committee Membership

#	From	To	Position	Organization
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١	201٤	2019	Head of Subjects Equivalent Committee in Chemistry Department	Chemistry Department.
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#### Volunteer Work

#	From	To	Type of Volunteer	Organization
	02/04/1434		Post within the jury in Olympics National Science Innovation	Foundation of King Abdul aziz. (talent)
	٢٥/٤/1433		Post within the jury in the playoffs King Abdul aziz Foundation (talent) for the final of the Olympics national scientific creativity.	Foundation of King Abdul aziz. (talent)
	17/03/1433		Filter school districts for the Olympics National Foundation King Abdul aziz (talent) distinguished scientific.	Foundation of King Abdul aziz. (talent)
	22/11/1432		A training program to prepare the court of King Abdul aziz Foundation. (talent)	Foundation of King Abdul aziz. (talent)
	1431		Participation in the National Center for Assessment and Evaluation in Higher Education.	Center for Assessment and Evaluation in Higher Education.

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

1	Teaching. Research
2	<ul style="list-style-type: none"> <li>- <b>Team work</b> - Enjoys sharing knowledge and encouraging development of others to achieve specific team goals.</li> <li>- <b>Planning and organizing</b> - Refined planning and organizational skills that balance work, team support and responsibilities in a timely and professional manner.</li> <li>- <b>Systems knowledge</b> - Experience in many computer programs.</li> </ul>

#### Last Update

20/1/2019