

Staff Handbook

Department of

Chemistry



Umm Al-Qura University, 2017



List of Chemistry Department Staff Members

NO	Name	Academic Title	Specialization field
1	Mohammed Abdul Aziz Ahmed Hajjaji	Prof.	Analytical Chemistry
2	Khalid Soliman Khalil Khairou	Prof.	Physical Chemistry
3	Mohamed Mayod Al-Gurashi	Prof.	Inorganic Chemistry
4	MatarMeshel MohamedAl-Esaimi	Prof.	Physical Chemistry
5	Metwally Abdallah Abd El Said	Prof.	Physical Chemistry
6	Shekha Saud Said Ashour	Prof.	Physical Chemistry
7	Saleh Abdel-Mgeed Ahmed Saleh	Prof.	Organic Chemistry
8	Mohamed Ismail Mohamed Awad	Prof.	Physical Chemistry
9	Abdalla Mohamed Khedr	Prof.	Inorganic Chemistry
10	Nashwa Mahmoud El-Metwaly	Prof.	Inorganic Chemistry
11	Mohamed Rabie Shaaban Genidi	Prof.	Organic Chemistry
12	Basim Hussain Mustafa Asghar	Prof.	Organic Chemistry
13	Alaa El-Din Ali El-Shafei	Prof.	Physical Chemistry
14	Omar Abdullah Hussain Hazzazi	Prof.	Physical Chemistry
15	Abd El Rahman Salah El Deen Khder	Prof.	Physical Chemistry
16	Thoraya Abd El Reheem Farghaly	Prof.	Organic Chemistry
17	Saud Mohamed Katib	Associate Prof.	Inorganic Chemistry
18	Fahd Abdelkreem Ali Terkstani	Associate Prof.	Physical Chemistry
19	Ishaq Abdullah Ali Zaafarany	Associate Prof.	Physical Chemistry
20	Amr Lotfy Saber Hefny	Associate Prof.	Analytical Chemistry
21	Nariman Mohamed Nahas	Associate Prof.	Organic Chemistry
22	Naeema Hamed Yarkandi	Associate Prof.	Inorganic Chemistry
23	Refat El-Sayed Ibrahim Abdelfattah	Associate Prof.	Organic Chemistry
24	Jabir Hamad Ali Al-Fahemi	Associate Prof.	Physical Chemistry
25	Fawaz Ahmad Amer Saad	Associate Prof.	Inorganic Chemistry
26	Ameena Mohsen Naser Albonayan	Associate Prof.	Physical Chemistry
27	Ahmed Fawzy Saad Sayed	Associate Prof.	Physical Chemistry
28	Hoda Abou El-Fetouh El-Ghamry	Associate Prof.	Inorganic Chemistry
29	Essam Moustafa Hussein	Associate Prof.	Organic Chemistry
30	Badreah Ali Mohamed Al-Jahdaly	Assistant Prof.	Physical Chemistry
31	Ghada Saleh Masarit	Assistant Prof.	Organic Chemistry
32	Sawsan Mohammad Ahmad Alashqar	Assistant Prof.	Inorganic Chemistry
33	Aisha Yousef Ismail Al-dawood	Assistant Prof.	Inorganic Chemistry



34	Hossa Fahad Nesair Alshareef	Assistant Prof.	Organic Chemistry
35	Enas Hussain Aljuhani	Assistant Prof.	Analytical Chemistry
36	Layla Saed Almazroai	Assistant Prof.	Physical Chemistry
37	Reem Kamal Jafar Shah	Assistant Prof.	Analytical Chemistry
38	Ismail Ibrahim Mohammed Althagafi	Assistant Prof.	Organic Chemistry
39	Khadeega Mustafa Takroni	Assistant Prof.	Inorganic Chemistry
40	Rasha Nezar Felaly	Assistant Prof.	Physical Chemistry
41	Zakiah Dhaif Allah Al Mallah	Assistant Prof.	Analytical Chemistry
42	Faten Abdul-mohsen Aljiffrey	Assistant Prof.	Physical Chemistry
43	Hanadi Ahmed Abdulfattah Katouah	Assistant Prof.	Biochemistry
44	Heba Abd Elhady Mohamed	Assistant Prof.	Organic Chemistry
45	Ahmed Mohamed Mohamed El Defrawy	Assistant Prof.	Physical Chemistry
46	Marwa Galal Mohamed Elghalban	Assistant Prof.	Analytical Chemistry
47	Nizar Amor Jilani Elguesmi	Assistant Prof.	Organic Chemistry
48	Mohammed Ahmed Elsayed Kassem	Assistant Prof.	Analytical Chemistry
49	Hatem Mohamed Altass	Assistant Prof.	Physical Chemistry
50	Tahani Mohammad Eada Bawazeer	Assistant Prof.	Physical Chemistry
51	Rasha El-Demerdashy El-Mekawi	Assistant Prof.	Organic Chemistry
52	Moataz Hashem Sulaiman Morad	Assistant Prof.	Physical Chemistry
53	Gharam Ibrahim Mohammed	Assistant Prof.	Analytical Chemistry
54	Rabab Sharf Abdullah Jassas	Assistant Prof.	Organic Chemistry
55	Razan Mohammad Snari	Assistant Prof.	Physical Chemistry
56	Ahmed Mohamed Ahmed Hameed	Assistant Prof.	Analytical Chemistry
57	Ali Abdu Sayqal	Assistant Prof.	Analytical Chemistry
58	Amerah Mohammed Alsoliemy	Assistant Prof.	Organic Chemistry





Staff Members of Physical Chemistry





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Publications

Curriculum Vita				
Name	Khalid Soliman Khalil Khairou			
P.O. Box	City	Postal Code	Country	
13401	Makkah	13401	Saudi Arabia	
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0125270000/3689		0125270996	0505503290	
E-mail (1)	ksskhairou@uqu.edu.sa	E-mail (2)	afsayed@uqu.edu.sa	
Academic Title	Professor	Others Titles (Specify)	Vice Dean of Postgraduate Studies	
Institute/University	Country	College/Directorate	Department	
Umm Al-Qura	Saudi Arabia	Applied Science	Chemistry	
Nationality	Date of Birth	Country of Birth		
Saudi	23/01/1960	Saudi Arabia		
Languages	Arabic	English		
Major field	Specialization field			
Physical Chemistry	Nanotechnology and polymers			
PhD Thesis Title				
Structure and Control of Water in Copolymeric Hydrogels				
MSc Thesis Title				
Copolymerization studies on N-Vinyl-2-Pyrrolidone				
Key words which describe your field	Nanocomposite	Characterization	Photocatalysis	Polymer degradation
Qualifications				
Degree	Date awarded	Institute/University	Country	
B. Sc.	1981	Umm Al-Qura	KSA	
M. Sc.	1986		UK	
Ph.D.	1992	Salford	UK	
Work Experience				
Date: From– To	Position	Institute/University	Country	
2006-2013	Head of	Umm Al-Qura	KSA	



	ChemistryDepartment		
2013-2016	Vice-dean for postgraduates and scientific research	Umm Al-Qura	KSA
Scientific Activity			
Synthesis, characterization and properties of polymers and nanomaterials			
Publications			
<ul style="list-style-type: none"> • Papers Published in Refereed Journals: <ol style="list-style-type: none"> 1. Copolymerisation of N-vinyl pyrrolidone with styrene and n-butyl acrylate. M. B. Huglin and Khalid S. Khairou, <i>Eur. Polym. J.</i>, 24(3), (1988) 329. 2. Thermal degradation of poly(acryloyl chloride) and copolymers of acryloyl chloride with methyl acrylate. K. S. Khairou and M. A. Diab, <i>Polym. Deg. Stab.</i>, 43 (1994) 329. 3. Stability and degradation of poly(4-vinylpyridine) and copolymers of 4-vinylpyridine with methyl methacrylate. K. S. Khairou and M. A. Diab, <i>Polym. Deg. Stab.</i>, 44 (1994) 17. 4. Theoretical investigations of the stability of degradation products of polystyrene and poly(4-vinylpyridine). M. K. Awad, K. S. Khairou and M. A. Diab, <i>Polym. Deg. Stab.</i>, 44 (1994) 165. 5. Thermal stability of poly(4-vinylpyridine) and polymer complexes 4-vinylpyridine with some transition metal chloride. K. S. Khairou, Polym. Deg. Stab., 46 (1994) 315. 6. Pectate polyelectrolyte ionotropic gels 1. Kinetics and mechanisms of formation of manganate(VI) – pectate intermediate complex during the oxidation of pectate polysaccharide by alkaline permanganate. K. S. Khairou, R.M. Hassan, Eur. Polym. J., 36 (2000) 2021. 7. Spectrophotometric evidence for the formation of short-lived Mn(VI) as transient species intermediate during the permanganate oxidation of chitin and chitosan polysaccharides in alkaline solutions. K. S. Khairou, Spect. Lett., 34 (2001) 117. 8. Thermal and electrical properties of polyurethane – carbon composites. K. S. Khairou, Umm Al-Qura Univ. J. Sci. Med. Eng., 13(2), (2001) 98. 9. Kinetics and mechanism of the non-isothermal decomposition of some divalent cross-linked metal alginate ionotropic gels. K. S. Khairou, J. Therm. Anal. Cal., 69 (2002) 583. 10. Novel synthesis of diketocarboxymethyl – cellulose as bipolymer precursors. K. S. Khairou, R. M. Hassan and A. M. Shaker, J. Appl. Polym. Sci., 85 (2002) 1019. 11. Kinetics and mechanism of sol-gel transformation between sodium alginate polyelectrolyte and some heavy divalent metal ions with formation of capillary structure polymembrane ionotropic gels. K. S. Khairou, W. M. Al-Gethami and R. M. Hassan, J. Membr. Sci., 5392 (2002) 1. 12. Temperature – dependence of the electrical conductivity for cross-linked mono- and divalent metal alginate complexes. K. S. Khairou and R. M. Hassan, High Perform. Polym., 14 (2002) 93. 13. Kinetics and mechanism of sol-gel transformation on polyelectrolyte of divalent metal ions alginate complexes with formation of capillary ionotropic polymembrane. K. S. Khairou, W. M. Al-Gethami and R. M. Hassan, Bull. Polish Acad. Sci., 50 (2002) 3. 14. Kinetics and mechanism of permanganate oxidation pectin in acid perchlorate media. M. I. Abdel-Hamid, K. S. Khairou and R. M. Hassan, Eur. Polym. J. 39(2), (2003) 381. 15. Pectate polyelectrolyte ionotropic gels. II. Oxidation of pectate polysaccharide by potassium permanganate in 			



- alkaline solutions: Kinetics of decomposition of intermediate complex. **K. S. Khairou**, *J. Int. Chem. Kinet.* 35(2), (2003) 67.
16. Kinetics and mechanism of oxidation of chitosan polysaccharide by permanganate ion in aqueous perchlorate solutions. G. A. Ahmed, **K. S. Khairou** and R. M. Hassan, *J. Chem. Res.*, 2003(4), (2003) 182.
 17. Thermal decomposition of Sn(II), Pb(II), Cd(II) and Hg(II) cross-linked metal–alginate complexes. M. A. El-Gahami, **K. S. Khairou** and R. M. Hassan, *Bull. Polish Acad. Sci.*, 51 (2003) 2.
 18. Diffusion Controls Influence on relaxation time and velocity of acceleration of sol–gel transformation for cross-linked metal alginate ionotropic gel complexes. **K. S. Khairou**, W. M. Al –Gethami and R. M. Hassan, *Bull. Polish Acad. Sci.*, 51 (2003) 208.
 19. Pitting Corrosion of Pure Iron Electrode in OH⁻/Cl⁻ Solutions and its Inhibition by Sulfated Water Soluble Natural Polymer. **K. S. Khairou** and I. A. Zaafarany, *Orient. J. Chem.*, 22(2), (2006) 199.
 20. Some Sulfated Water Soluble Natural Polymer (Carrageenans) Compounds as Corrosion Inhibitors for Dissolution of Iron in Hydrochloride Acid Solution. **K. S. Khairou** and I. A. Zaafarany, *Mater. Sci. Res.*, 3 (2a), (2006) 135.
 21. Inhibition of Acidic Corrosion of Iron by Some Carrageenan Compounds **K. S. Khairou** and I. A. Zaafarany, *J. Saudi Chem, Soc.*, 11(2), (2007) 199.
 22. Potential–Modulated Reflectance Study of the Iron in Alkaline Solution **K. S. Khairou** and I. A. Zaafarany, *Orient. J. Chem.*, 23(1), (2007) 35.
 23. QSPR for HLB of Non-ionic surfactants Based on Polyethyleneoxide group. E. A. M. Gad and **K. S. Khairou**, *J. Disper. Sci. Technol.*, 29 (2008) 7.
 24. Physicochemical Studies on some Cross-Linked Trivalent Metal-Alginate Complex Especially the Electrical Conductivity and Chemical Equilibrium Related to the Coordination Geometry. Ishaq. A. Zaafarany, **Khalid S. Khairou**, Refat M. Hassan, *High Perform. Polym.*, first published in January 21 (2009).
 25. Acid-catalysis of Chromic Acid Oxidation of Kappa-Carrageenan Polysaccharide in Aqueous Perchlorate Solutions. I. A. Zaafarany, **K. S. Khairou**, R. M. Hassan. *J. Mol. Cat. A*, 302(1-2), (2009) 112.
 26. Acid-catalysis Oxidation of some Sulfated Macromolecules. Kinetics and Mechanism of Oxidation of Kappa-Carrageenan Polysaccharide by Permanganate Ion in Acid Perchlorate Solutions. R. M. Hassan, A. Fawzy, G.A. Ahmed, I. A. Zaafarany, B. S. Asghar and **K. S. Khairou**, *J. Mol. Cat. A*, 309(1-2), (2009) 95.
 27. Physicochemical Studies on Cross-Linked Thorium(IV)-Alginate Complex Especially the Electrical Conductivity and Chemical Equilibrium Related to the Coordination Geometry. Ishaq. A. Zaafarany, **Khalid S. Khairou**, Refat M. Hassan and Yasuhisa Ikeda, *Arabian J. Chem.*, 2(1), (2009) 1.
 28. Synthesis and Characterization of New Poly(ester-amide)s containing Diarylidencyclohexanone in the Main Chain. Part: II. **Khalid S. Khairou**, Mohamed A. Abdullah, Kamal I. Aly, Nariman M. Nahas and Ameena M. Al-Boniani, *Arabian J. Chem.*, 2(1), (2009) 103.
 29. Electrical Properties and Chemical Equilibrium Studies on Cross-Linked Selenium(IV)-Alginate Complex Related to the Coordination Geometry. Ishaq. A. Zaafarany, **Khalid S. Khairou**, Refat M. Hassan, *J. Saudi Chem, Soc.*, 13(1), (2009) 49.
 30. Morphological Characteristics of Gold Nanowires and Nanoparticles: Structure Elucidation and Reactivity Towards Water–gas Shift Reaction, Mohamed Mokhtar Mohamed and **K. S. Khairou**, *Energy & Fuels*, 23(9), (2009) 4413.
 31. Acid-Catalyzed Oxidation of Some Sulfated Polysaccharides. Kinetics and Mechanism of Oxidation of Kappa-carrageenan by Cerium(IV) in Aqueous Perchlorate Solutions. R. M. Hassan, A. Alaraifi, A. Fawzy, I. A.



- Zaafarany, **K. S. Khairou**, Y. Ikeda, H. D. Takagi, *J. Mol. Cat. A*, 332 (2010) 138.
32. Preparation and Characterization of Nano-silver/Mesoporous Titania Photocatalysts for Herbicide Degradation, Mohamed Mokhtar Mohamed and **K. S. Khairou**, *Micropor. Mesopor. Mater.*, 142 (2011) 130.
 33. Structure and Reactivity Investigations of Bimetallic Pt-Au Nanowires Encapsulated Inside Mesoporous Silica, Mohamed Mokhtar Mohamed, and **K. S. Khairou**, *J. Coll. Interf. Sci.*, 354(1), (2011) 100.
 34. Inhibition of Carbon Steel Corrosion by Iron(III) and Imidazole in Sulfuric Acid, M. Abdallah, I. A. Zaafarany, **K. S. Khairou** and M. Sobhi, *Int. J. Electrochem. Soc.*, 7(2), (2012) 1564.
 35. Natural Oils as Corrosion Inhibitors for Stainless Steel in Sodium Hydroxide Solutions, M. Abdallah., I. A. Zaafarany, **K. S. Khairou** and Y. Emad, *J. Chem. Technol. Fuels & Oils*, 48(3), (2012) 234.
 36. Sildenafil citrate (Viagra) as a corrosion inhibitor for carbon steel in hydrochloric acid solutions, M. Sobhi, M. Abdallah and **K. S. Khairou**, *Monatshefte fur Chemie*, 143 (2012) 1379.
 37. Physicochemical and electronic characteristics of Single walled carbon Nanotubes SWCNTs (Qualitative Approach), E. A. M. Gad and **K. S. Khairou**, *J. Comput. Theoret. Nanosci.* (CTN), 9 (2012) 1.
 38. Photochromism of dihydroindolizines. Part XVIII: Palladium-catalyzed Negishi coupling for the synthesis of photochromic dihydro 5-azaindolizines-linker-conjugates with terminal ethylene anchoring group, Saleh A. Ahmed, **Khalid S. Khairou**, Aboel-Magd A. Abdel-Wahab, Zeinab A. Hozien, Heinz Dürr *Tetrahed. Lett*, 53(33), (2012) 4397.
 39. Adsorption of n-Alkyl Derivatives on Single Walled Carbon Nanotubes SWCNTs (Theoretical Approach), E. A. M. Gad, J. H. Al-Fahemi and **K. S. khairou**, *Comput. Theoret. Nanosci.*, (Accepted 2012).
 40. Photochromism of tetrahydroindolizines. Part XIV: Does the substitution in the thermally reversible photochromic tetrahydroindolizines framework have strong effect on tuning the photophysical properties of the system, Saleh A. Ahmed, **Khalid S. Khairou**, *J. Phys. Org. Chem.*, in press, (2013).
 41. Photolysis of some N-arylbenzamidoximes Part I. An efficient and clean approach for the synthesis of anilide, benzimidazole and benzoxazole derivatives, Saleh A. Ahmed, Abd El-Aal M. Gaber, **Khalid S. Khairou**, Hussni A. Muathen, Layla A. Taib, *Tetrahed. Lett.*, revised, TETL-D-13-00072 (2013).
 42. Adsorption of n-Alkyl Derivatives on Single Walled Carbon Nanotubes SWCNTs (Theoretical Approach), E. A. M. Gad, J. H. Al-Fahemi and **Khalid S. Khairou**, *Comput. Theoret. Nanosci.*, (Accepted 2012).
 43. Photochromism of tetrahydroindolizines. Part XIV: Does the substitution in the thermally reversible photochromic tetrahydroindolizines framework have strong effect on tuning the photophysical properties of the system, Saleh A. Ahmed, **Khalid S. Khairou**, *J. Phys. Org. Chem.*, in press, (2014).
 44. Photolysis of some N-arylbenzamidoximes Part I. An efficient and clean approach for the synthesis of anilide, benzimidazole and benzoxazole derivatives, Saleh A. Ahmed, Abd El-Aal Gaber, **Khalid S. Khairou**, Hussni A. Muathen, Layla A. Taib, *Tetrahed. Lett.*, revised, TETL-D-13-00072 (2014).
 45. Kinetics and Mechanism of Oxidation of FluorenoneHydrazone by Permanganate Ion in Different Acidic Media. Ahmed Fawzy, *Saleh A. Ahmed*, Hatem M. Altass, Ismail I. Althagafi, Ishaq A. Zaafarany, **Khalid S. Khairou** *Austin Chemical Engineering* 3(4), 1-7, 2016.
 46. Kinetics and Mechanistic Study of Permanganate Oxidation of Fluorenone Hydrazone in Alkaline Medium Ahmed Fawzy, *Saleh A. Ahmed*, Ismail I. Althagafi, Moataz H. Morad, **Khalid S. Khairou** *Advances in Physical Chemistry, Volume 2016, Article ID 4526578, 9 pages (http://dx.doi.org/10.1155/2016/4526578)*.
 47. Photochromism of dihydroindolizines Part XIX. Efficient one-pot solid state synthesis, kinetic and computational studies based on dihydroindolizine photochromes





Saleh A. Ahmed, Nizar El Guesmi, Basim H. Asghar, François Maurel, Ismail I. Althagafi, **Khalid S. Khairou**, Hussni A. Muathen

Journal of Physical Organic Chemistry, In Press, 2016.

48. Photochromism of dihydroindolizines. Part XX: Synthesis and photophysical behavior of fluorenyldihydroindolizines photochromes based "Click" chemistry strategy

Saleh A. Ahmed, Ismail I. Althagafi, Basim H. Asghar, **Khalid S. Khairou**, Hussni A. Muathen

Journal of Photochemistry and Photobiology A: Chemistry, 328(1), 163-170, 2016.

49. Fluorenone Hydrazone Derivatives as efficient Inhibitors of Acidic and Pitting Corrosion of Carbon Steel

Badria A. AL Jahdaly, Ismail I. Althagafi, Metwally. Abdallah, **Khalid S. Khairou**, Saleh A. Ahmed

Journal of Materials and Environmental Science 7 (5), 1798-1809, 2016.





Curriculum Vita			
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Academic Title	Prof. Dr.	Others Titles (Specify)	
Institute/University	Country	College/Directorate	Department
Umm Al-Qura University	Saudi Arabia	Applied Sciences	Chemistry
Nationality	Date of Birth	Country of Birth	
Saudi		Saudi Arabia	
Languages	Arabic	English	
Major field	Specialization field		
Chemistry	Physical Chemistry		
PhD Thesis Title			
Catalytic processes induced by modified ion –exchanged Montmorillonites			
MSc Thesis Title			

Key words which describe your field	Physical Chemistry	Catalysis	Ion–exchange
Qualifications			
Degree	Date awarded	Institute/University	Country
B. Sc. Degree	1983	Umm Al-Qura University	Saudi Arabia
Ph. D. Degree	1992		Wales, (UK)
Work Experience			
Date: From - To	Position	Institute/University	Country



Scientific Activity

1. He has discussed and supervised on a number of Ph. D. students M. Sc. students (granted) in the areas of physical chemistry.
2. He has attended and participated in a large number of scientific conferences and meetings.
3. Applied studies on Saudi Bentonite.
4. Studies on the synthesis and characterization of pillared Saudi Bentonite with single and mixed oxide pillars.
5. Research studies on photocatalytic degradation of Water pollutants (Organic pollutants" A").
6. Studies on the photocatalytic degradation of Water pollutants (Inorganic pollutants" B)

Publications

- 1- Catalytic dehydration of pentanol by ion-exchange and Al pillared bentonite by M.M. Al-Esaimi Published in: int.J chem. vol .16 No .2, 2006, 75-87.
- 2- Applied studies on the soils of Kingdom of Saudi Arabia
"Mechanical analysis of the soils of *Makkah Al- mukarramah and Rabiagh cities* and their possible uses as catalyst" .
By *Mohammed M. Meelad and Matar M. Al-Esaimi* Published in: Mansoura journal of chemistry vol 32 No.2,2005,14-25 .
- 3- Characterization, Adsorption and Photocatalytic Activity of Vanadium-doped TiO_2 and Sulfated TiO_2 (Rutile) Catalysts: Degradation of Methylene Blue Dye Mohamed Mokhtar Mohamed and Matar M. Al-Esaimi By: Published in: Journal of Molecular Catalysis A: Chemical Vol.255, 2006, 53-61.
- 4-Catalytic Condensation of aromatic aldehydes with ketones on Mg/ Al hydrotalcite By MATAR M. AL-ESAIMI Published in: Ultra Chemistry Vol.2 (2), 2006, 133-140.
- 5-Catalytic polymerization of Acrylonitrile by Khulays Bentonite
by M.M. Al-Esaimi Published in Bulletin of Chemical Reaction Engineering & Catalysis, 2(1),2007, 6-10.
- 6- Friedel-Crafts alkylation of benzene with 1-dodecene over ion exchanged bentonite catalysis By MATAR M. AL-ESAIMI
Published in: Materials Science Reseach India, Vol., 4(2), 2007, 241-244.
- 7-Catalytic Condensation of aromatic aldehydes with acetone on Zn/Al hydrotalcite By MATAR .M. AL-ESAIMI
Published in :Ultra Chemistry Vol.19(2),2007,251-258.
- 8- Benzylation of benzene and other aromatics with benzyl chloride over ion- Exchanged bentonite catalysis
By MATAR M. AL-ESAIMI Published in: in international J.Chem, vol .17 NO .4, 2007, 269-277.
- 9- Reaction catalyzed by Montmorillonite: polymerization of methyl methacrylate Matar M. Al-Esaimi , Journal of Applied polymer Science ,64,367-372,1997, ,published by John Wiley & Sons., Inc, U.S.A.
- 10- Catalyzing polymerization of methyl methacrylate by Hydrotalcite , Matar M. Al-Esaimi., International Journal of polymeric materials,1997,(Accepted for publication), Gorden and breach publishers ,U.S.A.
- 11- The catalytic effect of Montmorillonite on the thermolysis of amines with benzaldehyde, Matar M. Al-Esaimi., Journal of Saudi Chemical Society (JSCS) .Vol.2, No:2, pp 137-140.
- 12- Catalytic reaction by Hydrotalcites(ii) : polymerization of methyl methacrylate , Matar M. Al-Esaimi., International Journal of polymeric materials,2000, vol.,45,pp55-68, Gorden and breach publishers,U.S.A.
- 13- Catalytic reaction by Hydrotalcites(i) : polymerization of methyl methacrylate , Matar M. Al-Esaimi., The first national Symposium on Materials Science ,King Suad University ,Riyadh ,1998, ,(Accepted for publication) , King Suad University Press, K.S.A.





110

Publications

Curriculum Vita			
Name	Metwally Abdallah Mohamed Abd El Said		
P.O. Box	City	Postal Code	Country
	Benha		Egypt
Tel. No. (Office)	Telephone No. (Home)	Fax No.	Mobile No.
3147	0580369045		0580369045
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Academic Title	Professor	Others Titles (Specify)	
Institute/University	Country	College/Directorate	Department
Umm Al-Qura University	Saudi Arabia	Faculty of Applied Science	Chemistry
Nationality	Date of Birth	Country of Birth	
Egyptian	6-12-1959	Egypt	
Languages	English		
Major field	Specialization field		
Physical Chemistry	Electrochemistry		
PhD Thesis Title			
Electrochemical behavior of nickel alloys and stainless steel in aqueous solutions			
MSc Thesis Title			
Electrochemical behavior of aluminum in aqueous solutions			
Key words which describe your field	Corrosion inhibitors	Pitting corrosion	Adsorption
			Corrosion kinetics
Qualifications			
Degree	Date awarded	Institute/University	Country
B.Sc	May1982	Zagazig University	Egypt
M.Sc	June 1987	Benha University	Egypt
Ph-D	July 1992	Benha university	Egypt
Work Experience			
Date: From - To	Position	Institute/University	Country



7/6/1983----- 13/10/1987	Demonstrator	Faculty of Science – Benha University	Egypt
14/10/1987---- 29/6/1992	Ass.Teacher	Faculty of Science – Benha University	Egypt
30/6/1992----- 26/4/1999	Teacher	Faculty of Science – Benha University	Egypt
27/4/1999----- 26/7/2004	Ass.Professor	Faculty of Science – Benha University	Egypt
27/4/2004----- 14/12/2010	Professor	Faculty of Science – Benha University	Egypt
15/12/2010—till now	Professor	Faculty of Science – Umm Al-Qura univesity	Saudi Arabia

Scientific Activity

- 1-Corrosion measurements
- 2-Pitting Corrosion
- 3-Corrosion inhibitors
- 4-Adsorption isotherm
- 5-Electrode kinetics
- 6-Thermodynamics of corrosion reactions

Publications

- 1-E.M. Mabrouk, H. E. Megahed, **M. Abdallah**,A.A .Abdel Fattah. **Effect of variable on the dissolution kinetics of Ni alloys and stainless steel in acidic media.** *Bull Electrochem.*: 11 (5), (1995)217
- 2- **M. Abdallah**,A. I. Mead ,. **Pitting corrosion of an iron electrode in HCO₃⁻/Cl⁻ solutions and its inhibition by some non ionic surfactants.**
Annali Di Chimica (Italy): 83, (1993) 424-430.
- 3- **M. Abdallah**,**Corrosion kinetics of carbon steel and its inhibition by ethoxylated fatty amines.** *Annali Di Chimica (Italy)*: 84, (1994)529 -539.
- 4- A. Y. El Etre , **M. Abdallah**,**Fatty acid ethoxylates as corrosion inhibitors for C-steel in sulphuric acid.**
Bull Electrochem,10(11-12), (1994)471
- 5- **M. Abdallah**,H. E. Megahed ,**cyclic voltammograms of iron and C-steels in oxalic acid solution and study the effect of phenyl phthalilimide as corrosion inhibitors.** ,*Monatsh fur Chemie*,126, (1995)519
- 6- A.S. Amin. **M. Abdallah**,A.A. Omar.
Hydrometallurgical treatment of Egyptian Zn-Lead oxide ore.
Modelling Measurement & Control (France): Vol. 49 (2), (1995)4 .
- 7-S.M. Abd El Haleem, **M. Abdallah**,, A.I. Mead.
Fatty acid ethoxylates from soya bean oils as corrosion inhibitors for copper in HNO₃ solution, *Proc. 8th European Symp. on Corrosion Inhibitors (8 SEIC),Ann Univ. Ferrara, N.S., V, Suppl, N. 10, (1995).963-973.*
- 8- **M. Abdallah**,S.M. Abd El-Haleem, **Initiation and inhibition of pitting corrosion of Incoloy 800 and 316 Stainless Steel**
Bull. of Electrochem. : 12 (7-8), (1996) 449-458.
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12
Publications

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8/11/1427-1429	Vice head of chemistry department	Applied science college	Saudi Arabia
23/8/1425-1427	Deputy Dean of Student Affairs, Housing and Nutrition	Applied science college	Saudi Arabia
25/6/1423-1425	Vice head of chemistry department	Applied science college	Saudi Arabia
23/8/1425-1427	A member of the Disciplinary Board	Umm Al-Qura	Saudi Arabia
1424-1428	Member of the Committee follow up the progress of the educational process	Umm Al-Qura	Saudi Arabia
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17/12/1427-1430	Actress of Applied Sciences College in the Cultural Committee	Umm Al-Qura	Saudi Arabia
15/11/1427-1430	President of the Public Relations Committee and the Technical Committee of program of honoring the pioneers	Umm Al-Qura	Saudi Arabia
1428-1430	Member of the Committee of Women's Alpine reform	Neighborhood centers in Makkah	Saudi Arabia
1423 until now	A member of the Charitable Society for the Care of Orphans	Charitable Society in Makkah	Saudi Arabia
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Scientific Activity

7. She has discussed and supervised on a number of Ph. D. students M. Sc. students (granted) in the areas of inorganic chemistry.

8. She has attended and participated in a number of scientific meetings.

Conferences:

- 1- 7th international conferences of chemistry and its role in development, Sharm Alsheikh, Egypt, 14-17 April 2003
- 2- Arab Conference on Women, Science and Technology, Egypt, 8-10/2005
- 3- 8th international conferences of chemistry and its role in development, Sharm Alsheikh, Egypt, 11-14 April 2005
- 4- First International Chemical Conference of the Egyptian Chemical Society entitled" the requirements of the human chemistry in developing countries", Egypt, 11-14/2006.
- 5- 9th international conferences of chemistry and its role in development, Sharm Alsheikh, Egypt, 16-19 April 2007





6- National Chemistry Conference, Soaad University, Saudi Arabia, 15-17/ 2007

Publications

- 1- Textural and adsorption properties of activated carbons derived from date pits, Oxford Research Forum Journal, March 2004.
- 2- Removal of organic pollutants from aqueous solution via the adsorption on granular activated carbon and powdered activated charcoal, Oxford Research Forum Journal, March 2004
- 3- Factors affecting the activity and selectivity of alumina catalysts in the dehydration of 1-Butanol, Adsorption Science and Technology, March 2004
- 4- Heterogeneous Decomposition of Hydrogen Peroxide on Chromia-Alumina Catalysts, Umm Al-Qura University Journal of Science-Medicine-Engineering, 2005
- 5- Catalytic Oxidation of Carbon Monoxide on Cu/Alumina Catalysts in Relation to some Catalytic Parameters, Mansoura Science Bulletin.(A Chem.), December, 2004
- 6- Modification of Active Carbon by Oxidative Treatments in Solution, Mansoura Journal of Chemistry, December, 2005
- 7- Adsorption of Herbicide (Pendimethalin) onto Activated Carbon Developed from Date Pits., Egypt. J. Chem., Special Issue "1st Int Conf Chem.", 2008
- 8- Removal of Pesticide (Endosulphan) from water via Adsorption onto Activated Carbons Developed from Date Pits., Carbon Science, 2007
- 9- Chemisorption and Catalytic parameters in Relation to the Catalytic Activity of Pure and Na₂O-Doped CuO/Al₂O₃ Catalysts, Oxford Research Forum Journal, 2007
- 10- Kinetic and equilibrium adsorption of methylene blue and remazol dyes onto steam-activated carbons developed from date pits., Journal of Saudi Chemical Society, 2010
- 11- Structural, Textural and catalytic properties of pure and Li-doped NiO/Al₂O₃ and CuO/ Al₂O₃, Journal of Saudi Chemical Society, 2011
- 12- Removal of Dyes (methylene blue and crystal violet), Phenol and Cd(II) from water using activated Carbon and HNO₃-oxidized activated carbon developed from Date Pits





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Publications

Curriculum Vita			
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Academic Title	Dr.	Others Titles (Specify)	Professor
Institute/ University	Country	College/Directorate	Department
Umm Al-Qura	KSA	Sciences	Chemistry
Nationality	Date of Birth	Country of Birth	
Egypt	19 / 2 / 1970	Egypt	
Languages	English	German	French
Major field	Specialization field		
Chemistry	Electrochemistry, Electrocatalysis and Nanoscience		
Ph. D Thesis Title			
Electrochemistry of Peroxy Acetic Acid			
M. Sc Thesis Title			
Quantum Mechanical Interpretation of the Inhibition Efficiency of Selenourea, Thiourea, Urea and Guanidine			
Key words which	Fuel Cells	Electrocatalysis	Nanoscience
			Industrial



describe your field				Electrochemistry
Qualifications				
Degree	Date awarded	Institute/University	Country	
Ph. D	2002	Tokyo Institute of Technology (TIT)	Japan	
M Sc.	1999	Cairo University	Egypt	
B Sc.	1991	Cairo University	Egypt	
Work Experience				
Date: From - To	Position	Institute/University	Country	
2013-now	Professor	Umm Al-Qura	KSA	
2013-now	Professor	Cairo University	Egypt & KSA	
2008-2013	Associate Professor	Cairo University	Egypt	
2003-2008	Lecturer	Cairo University	Egypt	
1999-2003	Assistant Lecturer	Cairo University	Egypt	
1992-1999	Demonstrator	Cairo University	Egypt	
Current Research Interests				
1- Electrocatalysis 2- Fuel Cells 3- Nanoscience 4- Industrial Electrochemistry 5- Electrode Kinetics 6- Electroanalytical 7- Corrosion Inhibitors 8- Chemical Kinetics				
Publications				
Patents				
1. Simultaneous and selective detection method for peroxyacetic acid and hydrogen peroxide, T. Ohsaka, M. I. Awad and C. Harnode, Japanese Patent, No. 3504939, 2003.				
2. A method of simultaneous fractional analysis of Peracetic acid and hydrogen peroxide, T. Ohsaka, M. I. Awad and C. Harnode, International patent, US 2005/0084978 A1.				
Books (Chapters in Books)				



Nanoscience

3. **Electrocatalytic Applications of Manganese oxide, tantalum Oxide and Titanium oxide nanostructures modified electrodes” to be published in the forthcoming book series on Metal Oxide Nanostructures and Their Applications 2008 by American Scientific Publishers (ASP) based in USA.**

M. S. El-Deab, M. I. Awad, T. Ohsaka.

Electroanalysis

4. **Peroxydic acid: A Potential Derivative of Citric Acid**

In: Citric Acid: Synthesis, Properties and Applications

ISBN: 978-1-62100-353-3

Editors: Dominic A. Vargas and Josephine V. Medina ©2011 Nova Science

Publishers, Inc

Md. M. Islam, B. N. Ferdousi, M. I. Awad, T. Ohsaka

Reviews**Electrocatalysis & nanoscience**

5. **Electrocatalytic oxidation of glucose using single and binary metal oxide nanoparticles-modified electrodes**

Mahmoud M. Saleh and Mohamed I. Awad

Research Trends, Current Topics in Electrochemistry, vol. 18, pp. 45-71, 2014.

Electroanalysis

6. **Recent Progress in Electrochemistry of planar and reticulated vitreous carbon: fundamentals and applications,**

M. M. Saleh, M. I. Awad, T. Ohsaka

Research Trends 2013.

7. **Recent Progress in Electrochemistry and Electroanalysis of Oxidants used as Disinfectants,**

M. I. Awad, T. Ohsaka,

Research Trends, 11 (2006) 71-92.

Papers

1. Effect of different synthesis routes on the electrocatalytic properties of NiO X nanoparticles

AS Danial, MI Awad, FA Al-Odail, MM Saleh

Journal of Molecular Liquids, (225) 2017, 919-925.

2. Electroanalysis of Pyridoxine at Copper Nanoparticles Modified Polycrystalline Gold Electrode

MA Kassem, OA Hazazi, T Ohsaka, MI Awad

Electroanalysis, 2016, Pages 539–545

3. Enhanced Inhibition of Corrosion of Mild Steel by Triazole Derivative in Presence of Copper Ions

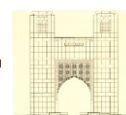
B Jahdaly, MI Awad

Int. J. Electrochem. Sci., 11 (2016) 5473 – 5480



4. A novel fabrication of polymeric ionic liquid hybrid film modified electrode and its successful application to electrogeneration of superoxide anion in aqueous media
Dilani Nilushika, Mohamed I. Awad, Mahmoud M. Saleh, Takeyoshi Okajima,
Lanqun Mao, and Takeo Ohsaka
Chem. Commun., 25 (2015) 3343-6.
5. Fractional Determination of Peracetic Acid and Hydrogen Peroxide at Deposited Gold Enriched in the Au(111) Domain
Mohamed I. Awad, Takeo Ohsaka
Sensors and Actuators B: Chemical 221 (2015) 1335.

6. Ozone Electrogeneration on Pt-TaO_x Sol-Gel Film Modified Titanium Electrode: Effect of Electrode Composition on the Electrocatalytic Activity
M. I. Awad, S. Sata, K. Kaneda, M. Ikematsu, T. Ohsaka
J. Energy Chemistry, 24 (2015), 178–184.
7. Electroactivity regeneration of sulfur-poisoned platinum nanoparticles modified glassy carbon electrode at low anodic potentials
M. I. Awad, M. M. Saleh, T. Ohsaka
J Solid State Electrochem., 19 (2015) 1331-1340.
8. On the Synthesis of Nickel Oxide Nanoparticles by Sol-Gel Technique and its Electrocatalytic Oxidation of Glucose, Amgad S. Danial, M.M. Saleh, S.A. Salih, M.I. Awad
Journal of Power Sources, 293 (2015) 101-108.
9. 5-aminopyridazine as an Eco-Friendly Inhibitor for Corrosion of Mild Steel in H₂SO₄ Solution
O. A. Hazazi, A. Fawzy and Mohamed I. Awad
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10. Tolerance of glucose electrocatalytic oxidation on NiO_x/MnO_x/GC electrode to poisoning by halides.
J Solid State Electrochem (2014) 18:5–12
S. M. El-Refaei, M. M. Saleh, M. I. Awad
11. Synergistic effect of halides on the corrosion inhibition of mild steel in H₂SO₄ by a triazole derivative: kinetics and thermodynamic studies
Omar A. Hazazi, Ahmed Fawzy, Mohamed I. Awad,
Int. J. Electrochem. Sci, 9 (2014) 4086.
12. Inhibitory action of quaternary ammonium bromide on mild steel and synergistic effect with other halide ions in 0.5 M H₂SO₄
A. Khamis, Mahmoud M. Saleh, Mohamed I. Awad, B.E. El-Anadouli
Journal of Advanced Research, 5 (2014) 637.
13. Enhanced 4-amino-5-methyl-4H-1,2,4-triazole-3-thiol Inhibition of Corrosion of Mild Steel in 0.5 M H₂SO₄ by Cu(II)
Omar A. Hazazi, Ahmed Fawzy, Mohamed R. Shaaban, Mohamed I. Awad
Int. J. Electrochem. Sci., 9 (2014) 1378.
14. Enhanced glucose electrooxidation at a binary catalyst of manganese and nickel oxides nanoparticles modified





glassy carbon electrode

S. M. El-Refaei, M. M. Saleh, M. I. Awad,

J. Power Sources, 223 (2013) 125-128.

15. Electrocatalytic glucose oxidation at binary catalyst of nickel and manganese oxides nanoparticles modified glassy carbon electrode: optimization of the loading level and order of deposition

S. M. El-Refaei, M. I. Awad, B. E. El-Anadouli, M. M. Saleh

Electrochimica Acta, 92 (2013) 460-467.

16. An Electrocatalytic Oxygen Reduction by Copper Nanoparticles Modified Au(100)-Rich Polycrystalline Gold Electrode in 0.5 M KOH

M. I. Awad, T. Ohsaka

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17. Enhancing the inhibition action of cationic surfactant with sodium halides for mild steel in 0.5 M H₂SO₄

Corrosion Science, 74 (2013) 83-91.

A. Khamis, Mahmoud M. Saleh, Mohamed I. Awad, B.E. El-Anadouli

18. Synergistic Inhibitor Effect of Cetylpyridinium Chloride and Other Halides on the Corrosion of Mild Steel in 0.5 M H₂SO₄

A. Khamis, M. M. Saleh, M. I. Awad

Corrosion Science, 66 (2013) 343.

19. Sulphur Dioxide Poisoning and Recovery of Platinum Nanoparticles: Effect of Particle Size

M. M. Saleh, M. I. Awad, F. Kitamura, T. Ohsaka

Int. J. Electrochem. Sci., 7 (2012) 12004.

20. The counter ion influence of cationic surfactant and role of chloride ion synergism on corrosion inhibition of mild steel in acidic media,

A. Khamis, M. Saleh and M. I. Awad

Int. J. Electrochem. Sci., 7 (2012) 10487 - 10500.

21. Electrocatalytic Evolution of Oxygen Gas at Cobalt Oxide Nanoparticles Modified Electrodes

I. M. Sadiek, A. M. Mohammad, M. E. El-Shakre, M. I. Awad,

M. S. El-Deab, B.E. El-Anadouli

Int. J. Electrochem. Sci., 7 (2012) 3350.

22. A comparative study of ORR at the Pt electrode in ammonium ion-contaminated H₂SO₄ and HClO₄ solutions,

M. R. Rahman, M. I. Awad, F. Kitamura, T. Okajima, T. Ohsaka.

J. Power Sources, 220 (2012) 65-73.

23. Selective Electroanalysis of Peracetic Acid in the Presence of a Large Excess of H₂O₂ at Au(111)-like Gold Electrode.

M. I. Awad.

Analytica Chimica Acta, 730 (2012) 60.

24. Electroanalysis of a Ternary Disinfectant Mixture

M. I. Awad, A. M. Mohammad, T. Ohsaka





Analytical Letters, 45 (2012) 1506.

25. Impact of SO₂ poisoning of platinum nanoparticles modified glassy carbon electrode on oxygen reduction.
M.I. Awad, M.M. Saleh, T. Ohsaka.
Journal of Power Sources 196 (2011) 3722.
26. Temperature effect on the recovery of SO₂-poisoned GC/nano-Pt electrode towards oxygen reduction.
M. Abdullah, M. M. Saleh, M. I. Awad, T. Okajima, F. Kitamura,
T. Ohsaka
J. Solid State Electrochem., 14 (2010) 1727.
27. Electrochemical generation of ozone at PbO₂-loaded platinum screens.
M. I. Awad, M. M. Saleh.
J Solid State Electrochem. 14 (2010) 1877.
28. Hydrogen spillover phenomenon: Enhanced reversible hydrogen adsorption/desorption at Ta₂O₅-coated Pt electrode in acidic media.
S. Sata, M. I. Awad, M. S. El-Deab, T. Okajima, T. Ohsaka.
Electrochim. Acta, 55 (2010) 3528.
29. Study of the autocatalytic chlorate–triiodide reaction in acidic and neutral media
AM Mohammad, MI Awad, T Ohsaka
Journal of Advanced Research 1 (3), 209-214, 2010
30. Electrocatalysis by Nanoparticles: Optimization of the Loading Level and Operating pH for the Oxygen Evolution at Crystallographically Oriented Manganese Oxide Nanorods Modified Electrodes,
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Electrochimica Acta, 53 (2008) 4351-4358.
31. Development of spin-coated Si/TiO_x/Pt/TiO_x electrodes for the electrochemical ozone production.
M. Mohammad, K. Kitsuka, A. M. Abdullah, M. I. Awad, Okajima,
K. Kaneda, M. Ikematsu, and T. Ohsaka.
Appl. Surf. Sci., 255 (2009) 8458 .
32. Spectrophotometric quantification of peroxone
K Kitsuka, MI Awad, K Kaneda, M Ikematsu, K Mushiake, M Iseki, ...
Analytical Letters 43 (1), 73-
33. Oxygen Reduction on Rotating Porous Cylinder of Modified Reticulated Vitreous Carbon,
M. I. Awad, M. M. Saleh and T. Ohsaka,
J. Solid State Electrochem., 12 (2008) 251-258.
34. Superior electrocatalysis of spin-coated titanium oxide electrodes for the electrochemical ozone production,
A. M. Mohammad, Kenta Kitsuka, Kazuhiro Kaneda, M. I. Awad, A.
M. Abdullah, M. Ikematsu, and T. Ohsaka,
Chemistry Letters, 36 (2007) 1046.





35. Enhanced water electrolysis: Electrocatalytic generation of oxygen gas at manganese oxide nanorods modified electrodes, Mohamed S. El-Deab, Mohamed I. Awad
Ahmad M. Mohammad, Takeo Ohsaka,
Electrochem. Comm., 9 (2007) 2082.
36. Tailor-Designed Platinum Nanoparticles Electrodeposited onto Gold Electrodes: Catalytic Activity for Oxygen Reduction,
M. I. Awad, M. S. El-Deab, T. Ohsaka,
J. Electrochem. Soc, 154 (2007) Selected in a Virtual Journal of
Nanoscale Science and Technology.
37. Characterization of oxidized reticulated vitreous carbon electrode for oxygen reduction reaction in acid solutions.
M. Saleh; M. I. Awad, T. Okajima, K. Suga, T. Ohsaka,
Electrochim. Acta (2007), 52 (9), 3095-3104.
38. Characterization of Oxidized Reticulated Vitreous Carbon for Generation of H₂O₂ from Flowing Acid Solutions,
M. M. Saleh, M. I. Awad, T. Ohsaka,
ECS Transaction, 3 (28), 76 (2007).
39. Simultaneous Spectrophotometric Determination of Ozone and Hydrogen Peroxide
K. Kitsuka, A. M. Mohammad, M. I. Awad, K. Kaneda, M. Ikematsu,
M. Iseki, K. Mushiake, T. Ohsaka
Chemistry letters 36 (2007) 1396-1397.
40. Ozone electrogeneration on Pt-loaded reticulated vitreous carbon using flooded and flow-through assembly.
M. I. Awad; Saleh, Mahmoud M.; Ohsaka, Takeo.
J. Electrochem. Soc. 153 (2006) D207-D212.
41. Ozone electrogeneration at a high current efficiency using a tantalum oxide-platinum composite electrode.
M. I. Awad; S. Sata, K. Kaneda, M. Ikematsu, T. Okajima, T. Ohsaka,
Electrochem. Commun. 8 (2006) 1263-1269
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F. B. Nadira, Md. I. Mominul, M. I. Awad, T. Okajima, T. Ohsaka,
Electrochemistry, 74 (2006) 606.
43. Eco friendly corrosion inhibitors: Inhibitive action of quinine for corrosion of low carbon steel in 1 M HCl.
M. I. Awad.
J Appl. Electrochem. 36 (2006) 1163-1168.
44. Mathematical modeling of gas evolution from flowing electrolytes on stable porous anodes of finite matrix phase conductivity.
M. Saleh, M. I. Awad; F. Kitamura, T. Ohsaka,
Electrochim. Acta 51 (2006) 6331-6337.
45. 45. Simultaneous electroanalysis of hypochlorite and H₂O₂: Use of I⁻/I₂ as a probing potential buffer.
M. I. Awad; Sata, Shunsuke; Ohsaka, Takeo.
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- M. I. Awad; Ohsaka, Takeo.
Chemical Sensors (2005), 21 (Suppl. A), 94-96.
47. Electroanalysis of peroxone.
M. I. Awad; Ohsaka, Takeo.
Electrochem. Commun. 6 (2004) 1135-1140.
48. Bioelectrochemistry of molecular oxygen and reactive oxygen species 123. electroanalysis of PAA and H_2O_2 : use of iodide/iodine couple as a probing potential buffer.
M. I. Awad; T. Ohsaka,
Chemical Sensors (2004), 20 (Suppl. A), 154-156.
49. Electroreduction of Peroxyacetic Acid at Gold Electrode in Aqueous Media.
M. I. Awad; Denggerile, Ao; Ohsaka, Takeo.
J. Electrochem. Society 151 (2004) E358-E363.
50. Effect of electrode materials on the kinetics of the electro-reduction of peroxyacetic acid.
D. Ao; M. I. Awad; T. Okajima, C. Harnood, T. Ohsaka,
Electrochimica Acta 49 (2004) 4135-4141.
51. Simultaneous Potentiometric Determination of Peracetic Acid and Hydrogen Peroxide.
M. I. Awad; Oritani, Tadato; Ohsaka, Takeo.
Analytical Chemistry (2003), 75(11), 2688-2693.
52. Kinetic studies on the oxidation of iodide by peroxyacetic acid.
M. I. Awad; Oritani, Tadato; Ohsaka, Takeo.
Inorganica Chimica Acta (2003), 344 253-256.
53. Potentiometric analysis of peroxyacetic acid in the presence of a large excess of hydrogen peroxide.
M. I. Awad; T. Ohsaka,
J. Electroanal. Chem. 544 (2003) 35-40.
54. Electroanalysis of peracetic acid in the presence of a large excess of hydrogen peroxide.
M. I. Awad; C. Harnood, T. Ohsaka,
Chemical Sensors (2001), 17(Suppl. A), 112-114.
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M. I. Awad; Harnood, Chokto; Tokuda, Koichi; Ohsaka, Takeo.
Analytical Letters (2001), 34(7), 1215-1221.
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M. I. Awad; Harnood, Chokto; Tokuda, Koichi; Ohsaka, Takeo.
Analytical Chemistry (2001), 73(8), 1839-1843.
57. 56. Simultaneous Electroanalysis of Peracetic Acid and Hydrogen Peroxide Using Square-Wave Voltammetry,
M. I. Awad; Harnood, Chokto; Tokuda, Koichi; Ohsaka, Takeo,
Electrochemistry, 68 (2000) 895-897





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Publications

Curriculum Vita

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673		Makkah		21955		Saudi Arabia					
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Academic Title		Professor		Others Titles (Specify)							
Institute/University		Country		College/Directorate		Department					
Umm Al-Qura University		Saudi Arabia		Applied Science		Chemistry					
Nationality			Date of Birth			Country of Birth					
Egyptian			31 - 3 - 1961			Egypt					
Languages			Arabic		English		German				
Major field			Specialization field								
Physical Chemistry			Electrochemistry								
PhD Thesis Title											
Electrochemical studies on some metallic and organic compounds containing systems											
MSc Thesis Title											
Polarographic and spectrophotometric studies on some metal-ion organic ligand systems.											
Key words which describe your field		Fuel cell		Modified electrode		Nanomaterials		electrocatalysis	corrosion		
Qualifications											
Degree		Date awarded		Institute/University		Country					
B. Sc. Degree		1982		Mansoura University		Egypt					
M. Sc. Degree		1986		Mansoura University		Egypt					
Ph.D.		1990		Bonn & Mansoura Germany & Egypt		Egypt, Germany					
Associate Professor		1995		Mansoura University		Egypt					
Professor		2001		Mansoura University		Egypt					



Date: From – To	Position	Institute/University	Country
1982-1986	Demonstrator	Mansoura University	Egypt
1986-1990	Assistant Lecturer	Mansoura University	Egypt
1990-1995	Assistant Prof.	Mansoura University	Egypt
1995-2001	Associate Prof.	Mansoura University	Egypt
2001-till now	Prof.	Mansoura University	Egypt
2009-2014	Prof.	King Faisal University	Saudi Arabia
2015-till now	Prof.	Umm Al-Qura University	Saudi Arabia

Scientific Activity

Academic Awards:

- Prize of Distinction in chemistry, El-Mansoura University, 1998/1999.
- JICA training course
- CNRS Assistant Researcher
- Illinois University's fellowship
- Alexander Von Humboldt fellowship
- JSPS fellowship
- UNSCO training course (Innovative Methods for Teaching Science at the university level)
- Arab Fund for Economic & Social Development Postdoctoral fellowship
- Alexander Von Humboldt (research group linkage)
- TWAS-UNESCO associationship

Conferences:

- a. 3rd International Conference on Chem. and its role in development, El-Mansoura, Egypt, April 1994.
- b. 4th International Conference on Chem. and its role in development, El-Mansoura, Egypt, April 1997.
- c. 2nd International Conference on electrochemistry and its application, Luxor, Egypt, February 1999.
- d. 5th International Conference on Chem. and its role in development, El-Mansoura, Egypt, April 1999.
- e. 18th Annual Conference on Corrosion Problems in Industry, Ismailia, Egypt, November 1999.
- f. Meeting of the Electrochemical Society of Japan, Tokyo, Japan, September 2000.
- g. Meeting of the Electrochemical Society of Japan (Hokkaido Branch), Sapporo, Japan, January 2001.
- h. Frontiers of Nano-scale Catalysis and Electrochemistry (CES21), Sapporo, Japan, March 2001.
- i. 52nd ISE Meeting in Duesseldorf, Germany, September 15-20, 2002
- j. 1st Spring ISE Meeting in Alicante, Spain, March 2-3, 2003.
- k. 4th International Conference on electrochemistry and its application, Aswan, Egypt, February 2004.
- l. 8th International Conference on Chem. and its role in development, Sharm El-Sheikh, Egypt, April 2005.
- m. 5th International Conference on electrochemistry and its application, Luxor, Egypt, February 2006.
- n. 9th International Conference on Chem. and its role in development, Sharm El-Sheikh, Egypt, April 2007.
- o. The Humbold Kolleg, Ismailia, Egypt, October 2007.
- p. The Humbold Kolleg On "The Advancement of Science and Technology In Africa", Assiut, March 2008.
- q. 4. Gerischer-Symposium: "Electrochemistry with spatial and temporal resolution" Berlin, June 2008.



- r. North African Conference on Computational Physics and Chemistry, Oran, Algeria, November 2008.
- s. 10th International Conference on Chem. and its role in development, Mansoura/Sharm El-Sheikh, Egypt, March 2009.
- t. **Member of International Scientific Committees**, International Conference on Advanced Technology in Materials Science and Engineering (ATMSE2015), December 20-22, 2015, Phuket, Thailand.
<http://www.atmse2015.org/com.htm>

Affiliations:

- a) The Egyptian Corrosion Society.
- b) The Egyptian Chemical Society.
- c) The Egyptian Society of Electrochemistry.

Research group:

Mansoura University (the year of granted Ph.D. or M.Sc. and current employer)

Graduate Students	Grad	Year	Current Employment
• A.A. El-Far	Ph.D.	2000	Chemist at Nasr Fertilizer Company
• M.A. Migahed	Ph.D.	2000	Researcher at Petrolium Research Center
• A.M.A. Ouf	Ph.D.	2004	Lecturer, Mansoura University & TaibahuUniversity, Saudi Arabia
• M. Abd Elfattah	Ph.D.	2007	Lecturer, Suez Canal University
• A.F.M. Abo El-Wafa	Ph.D.	2010	Fellow, Mansoura University
• Amira Abd Elhafeez	Ph.D.		Fellow, Mansoura University
• H.M. Shabanah	M.Sc.	1993	
• M.A. Migahed	M.Sc.	1994	
• A.A. El-Far	M.Sc.	1996	
• A..A.Ouf	M.Sc.	1999	
• H.S. Gadow	M.Sc.	2001	
• A.F.M. Abo El-Wafa	M.Sc.	2002	
• Amira Abd Elhafeez	M.Sc.	2008	Fellow, Egyptian Academy of science
• Amar Awad	M.Sc.	2009	Demonstrator, Mansoura University
• M. Abd El-menam	M.Sc.		

International Collaborations:

Name	Address
• Prof. Ana Castro Luna	Storage and Conversion of Energy Group, INIFTA-UNLP, Argentina
• Prof. A. Aramata	CRC, Hokkaido university, Sapporo, Japan.
• Prof. A. Wieckowski	RAL-Illinois University at Urbana-Champaign, U.S.A, North American Editor for <i>Electrochimica Acta</i>
• Prof. J. Clavilier	CNRS, Meudon, France
• Prof. D.M. Kolb	Department of Electrochemistry, Ulm University, Ulm, Germany
• Prof. M.Eiswirth	FHI der Max-Planck-Gesellschaft, Faradayweg 4-6, D-14195 Berlin, Germany
• Prof. M. Enyo	CRC, Hokkaido University, Sapporo, Japan
• Prof. M. Hepel	Department of Chemistry, SUNY at Potsdam, Potsdam, NY 13676, USA



- Prof. R. Holze Institut für Chemie, Technische Universität Chemnitz, Chemnitz, Germany
- Prof. Viktor Hacker Institute of Chemical Engineering and Environmental Technology, TUG, Graz, Austria.

Research interests:

Fuel cells; heterogeneous electro-catalysis; corrosion and corrosion inhibition; electrochemical surface science; electro-analysis; nano-materials; modified and composite electrodes.

Recent Research Projects:

1. A novel catalyst Pt-Ru complexes/C: Synthesis, structural and electrochemical testing for fuel cell technology, KFU-TUG (Austria) International Joint Project, 2010 (2 years).
2. Extracts from Plants in Saudi Arabia as Eco-Friendly Corrosion Inhibitors of Steel in Aqueous Solutions, Deanship of Scientific Research, KFU, 2011 (two years)- completed.
3. Corrosion Inhibition Induced by Surfactants: Influence of Surfactant type, Molecular Structure and Surfactant's Synergism, Deanship of Scientific Research, KFU, 2011 (one year)- completed.
4. Hydrogen Evolution Reaction on Binary Alloy Electrocatalysts, Deanship of Scientific Research, KFU, 2012 (one year).
5. Innovation of novel Pd-Ni nanoparticles/polymer modified electrode for direct methanol fuel cell, Strategic project, KACST, 2012 (two year).
6. Design of High-Performance Polyvinylpyridine/Nano-Metallic Composite Methanol Fuel Cell Anode, Alexander Von Humboldt, 2012 (15 months).
8. Novel Water Soluble Acrylates as efficient Corrosion Inhibitors of Steel in Solution Simulated Carbonated Concrete, Sabic, 2012 (12 months).
9. Design of High-Performance Polyvinylpyridine/Nano-Metallic Composite Fuel Cell Anode, KAU, Nanocenter, 2015.
10. Ethanol Oxidation on Sn-Modified Electrochemically Oriented Pt Electrodes in Acidic Medium, Deanship of Scientific Research, UQU, 2015, submitted.
11. Effectiveness of Novel Water Soluble Corrosion Inhibitors of Steel in chloride contaminated simulated concrete solution, Deanship of Scientific Research, UQU, 2015, submitted.
12. Oxygen Reduction Electrocatalysis by Metalloporphyrins Codeposited with Transition Metal Oxides on HOPG for Fuel Cells, Strategic project, KACST, 2015, submitted.

Other recognition:**Journal Editorial board:**

- Former Associate Editor of global J of Physical Chemistry
- Asian Transactions
- ISRN Electrochemistry
- International Journal of Materials Chemistry and Physics
- International Journal of Advanced Materials Research
- American Journal of Renewable and Sustainable Energy

Journal's reviewer:

Electrochemistry Communications, Electrochim. Acta. Surface Science, Microporous and Mesoporous Materials, Materials Chemistry and Physics, J. Applied electrochemistry, J. Solid state electrochemistry
Portugaliae Electrochimica Acta. Material Letters. Applied catalysis A, Applied catalysis B

Others:

Reviewer at King Abdulaziz CityFor Science And Technology(KACST)

Reviewer at king Abdulaziz university

Reviewer at Umm Al-Qura university

Publications

(A) Articles in Journals

1. El-Asmy, A.A., Morsi, M.A. and **El-Shafei, A.A.**
Cobalt (II), Nickal (II), Copper (II), Zinc (II) and Uranyl (VI) complexes of Acetylacetone bis (4-phenylthiosemicarbazone).
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2. El-Asmy, A.A., Morsi, M.A., and **El-Shafei, A.A.**
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3. El-Asmy, A.A., Moussa, M.N.H. and **El-Shafei, A.A.**
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5. **El-Shafei, A.A.**, Abd El-Maksoud, S.A. and Moussa, M.N.H.
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6. **El-Shafei, A.A.**, Shabanah, H.M. and Moussa, M.N.H.
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7. **El-Shafei, A.A.**, Shabanah, H.M. and Moussa, M.N.H.
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9. Helmy, A.M.A, **El-Shafei, A.A.**, Migahed M.A, and Morsi, M.A.
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10. **El-Shafei, A.A.**, Ohmori, T. and Enyo, M.
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J. Electroanal. Chem., **379** (1994) 247-252.
11. **El-Shafei, A.A.**





- Hydrogen adsorption and zinc UPD for surface structures Characterization of the electrochemically oriented Pt electrodes.
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12. Fouda, A.S., Madkour, L.H., **El-Shafei, A.A.** and Elasklany, A.H.
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13. **El-Shafei, A.A.**
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14. Fouda, A.S., Madkour, L.H., **El-Shafei, A.A.** and Abd El-Maksoud, S.A.
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16. **El-Shafei, A.A.**, Abd El-Maksoud, S.A. and Fouda, A.S.
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17. Clavilier, J., Klein, L.H., Vaskevich, A. and **El-Shafei, A.A.**
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20. **El-Shafei, A.A.**
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21. **El-Shafei, A.A.**
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23. **El-Shafei, A.A.**, Moussa, M.N.H. and El-Far, A.A.
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30. **El-Shafei, A.A.** and Aramata, A.
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33. **El-Shafei, A.A.**, Taguchi, S. and Aramata, A.
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35. **El-Shafei, A.A.**, and Markus, E.
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37. **El-Shafei, A.A.**, Ibrahim, A.A. and Ouf, A.M.A.
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38. **El-Shafei A.A.**, Ibrahim A.A. and Ouf, A.M.A.
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39. **El-Shafei, A.A.**, A. Alakl and Ouf, A.M.A.
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40. Omar. A. Hazazi, **A.A. El-Shafei**
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(B) Contribution to academic conferences

1. **El-Shafei, A.A.**, Migahed, M.A. and Helmy, A.M.A.
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4th International Conference on Chem. and its role in development, El-Mansoura, Egypt, April 1994.
2. Mostafa, H.A., **El-Shafei, A.A.** and Fouda, A.S.
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3. Abd El-Maksoud, S.A., **El-Shafei, A.A.** and Fouda., A.S.
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4. Helmy, A.M.A., **El-Shafei, A.A.**, Ouf, A.F. and Morsi, M.A.
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5. **El-Shafei, A.A.**
Electrocatalytic oxidation of methanol at nickel hydroxide/glassy carbon modified electrode.
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6. **El-Shafei, A.A.**, Helmy, A.M.A., Ateya, M. and Fouda, A.S.
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7. **El-Shafei, A.A.**, Gadow, H.M. and Fouda, A.S.
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18th Annual Conference on Corrosion Problems in Industry, Ismailia, Egypt, November 1999.



10. El-Shafei, A.A.

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Meeting of the Electrochemical Society of Japan, Tokyo, Japan, September 2000.

11. El-Shafei, A.A. and Aramata, A.

Specific adsorption of borate at Pt(111) in acidic solution.

Meeting of the Electrochemical Society of Japan (Hokkaido Branch), Sapporo, Japan, January 2001.

12. El-Shafei, A.A. and Aramata, A.

Specific adsorption of borate at Pt(111) and the effect of borate adsorption on Zn and Ni upd in acidic medium.

Frontiers of Nano-scale Catalysis and Electrochemistry (CES21), Sapporo, Japan, March 2001.

13. El-Shafei, A.A., Aramata, A and Taguchi, S.

Specific adsorption of Borate and its effect on Zn UPD at Pt(111) in acidic media: In comparison with those of phosphate.

52nd ISE Meeting in Duesseldorf, Germany, September 2002.

14. Aramata, A., Taguchi, S. and El-Shafei, A.A.

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1st Spring ISE Meeting in Alicante, Spain, March 2003.

15. El-Shafei, A.A.

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4th International Conference on electrochemistry, Aswan, Egypt, February 2004.

16. El-Shafei, A.A. and Fouda, A.S.

The influence of some N-containing heterocyclic compounds on the Pitting Corrosion of Al in Neutral Chloride Solution.

8th International Conference on Chem. and its role in development, Sharm El- Sheikh, Egypt, April 2005.

17. El-Shafei, A.A. and Aramata, A.

Specific Adsorption of Borate and Its Effect on Zinc Underpotential Deposition at Pt(111) in Acidic Media.

5th International Conference on electrochemistry and its application, Luxor, Egypt, February 2006.

18. Morsji, M.A., El-Shafei, A.A., Helmy, A.M.A. and Ouf, A.M.

Differential pulse anodic stripping voltammetry determination of trace mercury using rotating gold disc electrode

9th International Conference on Chem. and its role in development, Sharm El- Sheikh, Egypt, April 2007.

19. Morsji, M.A., El-Shafei, A.A., Oauf, A.M. and El-Khawaga, O.M.

Simultaneous Determination of Copper, Lead, Cadmium and Zinc Using Differential Pulse Anodic Stripping Voltammetry

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20. El-Shafei, A.A., Ouf, A.M. and Abd Elhafeez, A.M.

Ethanol oxidation at noble metal/zeolite modified electrodes in alkaline medium.

North African Conference on Computational Physics and Chemistry (NAC-CPC'08), Oran, Algeria, November 2008.

21. El-Shafei, A.A.

10th International Conference on Chem. and its role in development, Sharm El- Sheikh, Egypt, March 2009.





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Academic Title	Associate Professor	Others Titles (Specify)		
Institute/University	Country	College/Directorate	Department	
Umm Al-Qura	Saudi Arabia	Applied Sciences	Chemistry	
Nationality		Date of Birth	Country of Birth	
Saudi		1-9-1392	Saudi Arabia	
Languages		Arabic	English	
Major field		Specialization field		
Physical Chemistry		Electrochemistry, corrosion		
PhD Thesis Title				
Electrochemical studies of metal deposition and surface chirality at well-defined platinum single crystal electrodes				
MSc Thesis Title				
Key words which describe your field	Corrosion	Kinetics	Electrochemistry	Radiochemistry
Qualifications				
Degree	Date awarded	Institute/University	Country	
B.Sc.	1995	Umm Al-Qura University	Saudi Arabia	
M.Sc.	2003	Cardiff University	UK	
Ph.D.				
Associate Prof.	2009	Umm Al-Qura University	Saudi Arabia	
Employment				
Date: From– To	Position	Institute/University	Country	
1997-2003	Instructor	Umm Al-Qura University	Saudi Arabia	



2003-2009	Assistant Professor	Umm Al-Qura University	Saudi Arabia
2009-2016	Associate Professor	Umm Al-Qura University	Saudi Arabia
2016-till now	Professor	Umm Al-Qura University	Saudi Arabia

Scientific Activity

Publications

1- "The Characterisation of Supported Platinum Nanoparticles on Carbon Used for Enantioselective Hydrogenation: A Combined Electrochemical-STM Approach".

Gary A. Attard, Ahmad Ahmadi, , David J. Jenkins, **Omar A. Hazzazi**, Peter B. Wells, Ken G. Griffin, Peter Johnston, Jennifer E. Gillies. *CHEMPHYSICHEM* **4 (2) : 123-130 FEB 17 (2003)**.

2- "Molecular Recognition in Adsorption and Electro-Oxidation at Chiral Platinum Surfaces".

Omar. A. Hazzazi, Gary. A. Attard, Peter B. Wells

Journal of Molecular Catalysis A : Chemical **216 (2004)**.

3- The Characterisation of Supported Platinum Nanoparticles on Carbon Used for Enantioselective Hydrogenation: A Combined Electrochemical-STM Approach

Gary A. Attard, Ahmad Ahmadi, , David J. Jenkins, **Omar A. Hazzazi**, Peter B. Wells, Ken G. Griffin, Peter Johnston, Jennifer E. Gillies.

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Omar. A. Hazzazi, Gary. A. Attard, Peter B. Wells

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5- On the Global and Local Values of the Potential of Zero Total Charge at Well-Defined Platinum Surface : Stepped and Adatom Modified Surfaces

Gary Attard , **Omar Hazzazi**, Peter Wells, Victor Climent, Enrique Herrero, Juan Feliu

Journal of Electroanalytical Chemistry, **568 (2004)**.

6- On the Corrosion Inhibition of Aluminium in Bicarbonate Buffer Solutions. Part I : Weight Loss, Polarization and EDX Studies.

Omar A. Hazzazi

Journal of Saudi Chemical Society, **10 (2006)**.

7- On the Pitting Corrosion Behaviour of Pure Al by Halide Ions in Neutral Sulphate Solutions and the Effect of Some Inorganic Inhibitors

Omar A. Hazzazi

Journal of King Abdulaziz University, Sci., **19 (2007)**.

8- Sodium Oleate as an Effective Corrosion Inhibitor for Copper in Aerated Sulphuric Acid Solutions

Omar A. Hazzazi

Journal of Saudi Chemical Society, **11 (2007)**

9- Corrosion Inhibition Studies of Copper in Highly Concentrated NaCl Solutions

Omar A. Hazzazi

Journal of Applied Electrochemistry, **37 (2007)**.

10- On the Corrosion Inhibition of Aluminium in Weakly Alkaline Solutions by Some Polyacrylic Acids. Part I : Weight Loss, Polarization , Impedance and EDX Studies

Omar A. Hazzazi





King Khalid University Journal of Natural, Medical and Technical Sciences, 2(2008)

11- Comparison between the Pitting Corrosion of Pure Al and Al-Si Alloys in Deaerated Neutral Sodium Perchlorate Solutions and the Effect of Some Inorganic Inhibitors

Omar A. Hazzazi

The Arabian Journal for Science and Engineering, 33 (2008) 2A.

12- Passivation and Cl⁻ Induced Depassivation of Cu-Ag Alloys in Borate Buffer Solutions

Omar A. Hazzazi, Ayman Zaky, Mohammed Amin and Sayed Abd El Rehim

International Journal Electrochemical Science, 3 (2008) 489 – 508.

13- Role of Alloyed Silicon and Some Inorganic Inhibitors in the Inhibition of Meta-Stable and Stable Pitting of Al in Perchlorate Solutions

Mohammed A. Amin , Hamdy H. Hassan, **Omar A. Hazzazi**, Mohsen M Qhatani

Journal of Applied Electrochemistry, 38 (2008) 1589-1598.

14- On the Corrosion Inhibition of Low Carbon Steel in Concentrated Sulphuric Acid Solutions Part I. Chemical and Electrochemical (AC and DC) Studies

Sayed S. Abdel Rehim, **Omar A. Hazzazi**, Mohammed A. Amin, Khaled F. Khaled

Journal of Corrosion Science, 50 (2008) 2258 – 2271.

15- Determination of Some Cephalosporins by Adsorptive Stripping Voltammetry

O. A. Farghaly, **O. A. Hazzazi**, E. M. Rabie and M. Khodari

International Journal Electrochemical Science, 3 (2008) 1055 – 1064.

16- Metal complexes and Voltammetric Determination of Enalapril in Tablet and Urine Samples

O. A. Farghaly, N. A. Mohamed, **O. A. Hazzazi**, A. A. Gahlan and M. A. Mottaleb

Accepted at Journal of Research and Reviews in Electrochemistry, August (2008).

17- Electrochemical Characterisation of Gold on Pt{hkl} for Ethanol Electrocatalysis

Omar A. Hazzazi, Gary A. Attard, Peter B. Wells, F. J. Vidal-Iglesias and Meritxell Casadesus

Accepted at Journal of Electroanalytical Chemistry, 625(2009) 123-130

18- Synergistic Effect of I⁻ Ions on The Corrosion Inhibition of Al in 1.0 M Phosphoric Acid Solutions by Purine

Mohammed A. Amin, **Mohsen M Qhatani**, **Omar A. Hazzazi**

Accepted at Journal of Materials Chemistry and Physics, (2009).

19- On the Corrosion Inhibition of Aluminium in Weakly Alkaline Solutions by Some Polyacrylic Acids. Part I : Weight Loss, Polarization, Impedance EFM and EDX Studies.

Mohammed A. Amin, Omar A. Hazzazi, Sayed S. Abd El-Rehim, Essam F. El-Sherbini, Mohsen N. Abbas

Accepted at Journal of Corrosion Science, (2009).

20- Electro-oxidation of D- and L- Glucose at well-defined chiral bimetallic electrodes

Omar A. Hazazi , Catherine A. Harris, Peter B. Wells, Gary A. Attard

Top Catal (2011) 54 : 1392-1402

21- Electrochemical studies of irreversibly adsorbed ethyl pyruvate on Pt{hkl} and epitaxial Pd/Pt{hkl} adlayers

Omar A. Hazazi , S. E. Huxter, Robert Taylor, Benjamin Palmer, Lee Gilbert, Gary A. Attard

Journal of electroanalytical Chemistry 640 (2010) 8-16

22- Influence of N-Thiazolyl-2-Cyanoacetamide Derivatives on the Corrosion of Aluminum in 0.01M Sodium Hydroxide.





M. Abdallah, O. A. Hazazi, A. Fawzy, S. El-Shafei, A. S. Fouda

Prot. Met Phys Chem. Surf., 50, 659-666 (2014).

23- Enhanced 4-amino-5-methyl-4H-1,2,4-triazole-3-thiol Inhibition of Corrosion of Mild Steel in 0.5 M H₂SO₄ by Cu(II).

O. A. Hazazi, A. Fawzy, M. R. Shaaban, M. I. Awad

Int. J. Electrochem. Sci., 9 1378-1389 (2014).

24- Synergistic Effect of Halides on the Corrosion Inhibition of Mild Steel in H₂SO₄ by a Triazole Derivative: Kinetics and Thermodynamic Studies.

O. A. Hazazi, A. Fawzy, M. I. Awad

Int. J. Electrochem. Sci., 9, 4086-4103 (2014).

25- Sulfachloropyridazine as an Eco-Friendly Inhibitor for Corrosion of Mild Steel in H₂SO₄ Solution.

O. A. Hazazi, A. Fawzy, M. I. Awad

Chem. Sci. Rev. Lett. 4, 67-79 (2015).





23

Publications

Curriculum Vita			
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Academic Title	Prof.	Others Titles (Specify)	
Institute/University	Country	College/Directorate	Department
UQU	K.S. A	Applied Science	Chemistry
Nationality	Date of Birth	Country of Birth	
Egyptian	25/7/1971	Egypt	
Languages	Arabic (native)	English	
Major field	Specialization field		
Physical chemistry	Catalysis and nanomaterial		
PhD Thesis Title			
Studies on the structural properties and catalytic activity of zirconium oxide catalyst			
MSc Thesis Title			
Studies on the structural properties and catalytic activity of some metals loaded Aluminum phosphate catalysts			
Key words which describe your field	Catalysis	Nano catalyst	Solid Super acid catalyst
Qualifications			
Degree	Date awarded	Institute/University	Country
PhD	2004	Mansoura University	Egypt
MSc	1999	Mansoura University	Egypt
BSc	1993	Mansoura University	Egypt
Work Experience			
Date: From - To	Position	Institute/University	Country



12/1993-5/1999	Demonstrator	Mansoura university	Egypt
5/1999-11/2004	Assistant teacher	Mansoura university	Egypt
12/2004-5/2010	Assistant Prof	Mansoura university	Egypt
1/2008-4/2010		VCU	USA
5/2010-11/2011	Assoc. Prof	Mansoura university	Egypt
11/2011- 2016	Assoc. Prof	UQU	KSA
2016- now	Prof.	UQU	KSA

Scientific Activity

Synthesizing metallic and bimetallic nano materials with different shapes and sizes using different methods for multipurpose such as oxidation reduction reactions. Preparation of super acid catalysts of metal oxides or mixed metal oxides for catalysing many organic acid catalysed reactions. Preparation of metal organic framework (MOF) supported with metallic and bimetallic nanoparticles and others.

Publications

US PATENTS

- 1- "Production of Graphene and Nanoparticle Catalysts Supported on Graphene using Microwave Irradiation", M. S. El-S El Rahman S. Khder, V. Abdelsayed, H. M. A. Hassan, K. M. AbouZeid, Provisional Patent # 61/317,860, March 26, 2010 (WO2011119961).
- 2- Ligand-free Palladium Catalysts for Application in Carbon-Carbon Cross Coupling Reactions" A. El Rahman S. Khder, F. Gupton, M. S. El-Shall and A. R. Siamaki Provisional Patent # 61/322,376, April 9, 2010.

Publications

- 1) Pd nanoparticles supported on Iron oxide nanorods for CO oxidation: effect of preparation method, Abd El Rahman S. Khder · Sheikha S. Ashour · Hatem M. Altass · Khalid S. Khairou, J. of Enviro. Chem. Eng. 4, 2016, Pages 4794–4800
- 2) Catalytic oxidation of carbon monoxide over of gold supported iron oxide catalyst, Hatem M. Altassa and Abd El Rahman S. Khder, Materials Research Innovations, 2016
- 3) Mesoporous metal(IV) phosphates as high performance acid catalysts for the synthesis of photochromic bis-naphthopyran via Claisen rearrangement, Abd El Rahman S. Khder · Saleh A. Ahmed · Hatem M. Altass, (2016) 117: 745.
- 4) Hafnium pentachloride ionic liquid for isomorphic and postsynthesis of HfKIT-6 mesoporous silica: catalytic performances of Pd/SO₄²⁻/HfKIT-6, Hassan, H.M.A., Betiha, M.A., Khder, A.E.R.S. et al. J Porous Mater (2016) 23: 1339.
- 5) Surface and catalytic properties of triflic acid supported zirconia: Effect of zirconia tetragonal phase, Hatem M. Altass, Abd El Rahman S. Khder, J. molecular catalysis A, 411, 2016, 138-145.
- 6) Surface and catalytic properties of triflic acid supported zirconia: Effect of zirconia tetragonal phase, Hatem M. Altass, Abd El Rahman S. Khder, J. molecular catalysis A, Chem. 2015 in press.
- 7) Metal-organic frameworks with high tungstophosphoric acid loading as heterogeneous acid catalysts, Abd El Rahman S Khder, H. M. A. Hassan, Samy S El-Shall, Applied Catalysis A: General 487 (2014) 110– 86
- 8) CO oxidation over Au and Pd nanoparticles supported on ceria–hafnia mixed oxides , Abd El Rahman S. Khder , Hassan M. A. Hassan , Mohamed A. Betiha , K. S. Khairou ,A. A. Ibrahim, Rea. Kinet.





Mech. Catal. 112 (2014) 61-75.

- 9) Characterization of 12-molybdophosphoric acid supported on mesoporous silica MCM-41 and its catalytic performance in the synthesis of hydroquinone diacetate, Awad I. Ahmed, S.E. Samra, S.A. El-Hakam, A.S. Khder, H.Z. El-Shenawy, W.S. Abo El-Yazeed. **Applied Surface Science**, **282(2013) 217-225**
- 10) Nanostructure sulfated tin oxide as an efficient catalyst for the preparation of 7-hydroxy-4-methyl coumarin by Pechmann condensation reaction. Awad I. Ahmed, S.A. El-Hakam, A.S. Khder, W.S. Abo El-Yazeed, **J. Mole. Catal. A: Chemical**, **366(2013) 99-108**
- 11) Direct synthesis and the morphological control of highly ordered mesoporous AISBA-15 using urea-tetrachloroaluminate as a novel aluminum source.
Mohamed A. Betiha, Hassan M. A. Hassan, Ahmed M. Al-Sabagh, Abd El Rahman S. Khder, Emad A. Ahmed. **J. Materials Chemistry (2012)**
- 12) Acid Catalyzed Organic Transformations by Heteropoly Tungstophosphoric Acid Supported on MCM-4, Abd El Rahman S Khder, H. M. A. Hassan, Samy S El-Shall, **Applied Catalysis A: General** 411– 412 (2012) 77– 86
- 13) Structural and catalytic properties of ZnO and Al₂O₃ nanostructures loaded with metal nanoparticles, Osama A. Fouad, Abd El Rahman S. Khder, Qilin Dai, M. Samy El-Shall **J. Nanoparticle Res**, DOI 10.1007/s11051-011-0620-8.
- 14) Microwave Assisted Synthesis of Palladium Nanoparticles Supported on Graphene; A Highly Active and Recyclable Catalyst for Carbon-Carbon Cross Coupling Reactions) Ali R Siamaki, Abd El Rahman S Khder, Victor Abdelsayed, Samy S El-Shall, Frank Gupton, **J. Catalysis**, **2011, 297,1.**
- 15) Microwave synthesis of graphene sheets supporting metal nanocrystals in aqueous and organic media, H. M. A. Hassan, V. Abdelsayed, A.S. Khder, K. M. AbouZeid, J. Ternner, M. Samy El-Shall, S. I. Al-Resayes and A. A. El-Azhary, **J. Mater. Chem.**, **2009, 19, 3832.**
- 16) Metallic and bimetallic nanocatalysts incorporated into highly porous coordination polymer MIL-101, M. Samy El-Shall, V. Abdelsayed, A. S. Khder, H. M. A. Hassan, H. M. El-Kaderi and T. E. Reich, **J. Mater. Chem.**, **2009, 19, 7625.**
- 17) Selective nitration of Phenol over Nanosized Tungsten Oxide Supported on Sulfated SnO₂ as a Solid Acid Catalyst, A. S. Khder, A. I. Ahmed, **Applied Catalysis A: Gen**, **2009, 354, 153.**
- 18) (Preparation, Characterization and Catalytic activity of tin oxide-supported 12-tungstophosphoric acid as a solid catalyst) Abd El Rahman S. Khder, **Applied Catalysis A: General**, **2008, 343, 109.**
- 19) (Surface characterization and catalytic activity of sulfated tin oxide catalyst), A. S. Khder, E.A. El-Sharkawy, S. A. El-Hakam, A. I. Ahmed, **Catal. Commun.** **2008, 9, 769.**
- 20) Structural characterization of sulfate zirconia and their catalytic activity in dehydration of ethanol, A.I. Ahmed, S.A. El-Hakam, S.E. Samra, A.A. El-Khouly and A.S. Khder, **Colloids and Surfaces A: Physicochemical and Engineering Aspects**, **2008, 317, 62.**
- 21) Structural characterization and catalytic activity of molybdenum oxide supported zirconia catalysts, E. A. El-Sharkawy, A. S. Khder, A. I. Ahmed, **Micropor. Mesopor. Mater.** **2007, 102, 128.**
- 22) Surface Properties and Catalytic Activity of Ni/Al₂O₃-AlPO₄ Catalyst, S. A. El-Hakam, A. A. El-Khouly and A. S. Khder **Adsorp. Sci. Technol.** **1999, 17, 417.**
- 23) Effect of thermal treatment on various characteristics of nickel/aluminum Phosphate catalysts, S. A. El-Hakam, A. A. El-Khouly and A. S. Khder, **Appl. Catal. A: General** **1999, 185 247.**





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Publications

Curriculum Vita

Name				Fahd Abdelkreem Ali Terkstani			
P.O. Box		City		Postal Code		Country	
673		Makkah		21955		Saudi Arabia	
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				0125200263		0567890819	
E-mail (1)		faat999@hotmail.com		E-mail (2)			
Academic Title		Ass. Prof		Others Titles (Specify)			
Institute/University		Country		College/Directorate		Department	
Umm Al-Qura University		Saudi Arabia		Applied Science		Chemistry	
Nationality			Date of Birth			Country of Birth	
Saudi			1-7-1380 H			Saudi Arabia	
Languages			Arabic		English		
Major field			Specialization field				
Chemistry			Physical Chemistry				
PhD Thesis Title							
Some Physico-Chemical Studies of Stony Corals from the Red Sea							
M. Sc. Thesis Title							
Some Spectroscopic and Spectrometric Studies of Red Sea Stony Corals							
Key words which describe your field		Physical Chemistry		Spectroscopy		Thermal	
Qualifications							
Degree		Date awarded		Institute/University		Country	
B. Sc. Degree		1401-1402		Umm Al-Qura University		Saudi Arabia	
M. Sc. Degree		1985		University of Salford		UK	
Ph. D. Degree		1990		University of Salford		UK	
Work Experience							





Date: From - To	Position	Institute/University	Country
Scientific Activity			
<ul style="list-style-type: none"> Physicochemical Studies on Some Coordination Biopolymeric compounds. Oxidation of Some Water-Soluble Anionic Polyelectrolytes 			
Publications			
Selected Publications:			
<ol style="list-style-type: none"> Thermal stability of copolymers of p-bromophenyl acrylamide-methyl methacrylate, <i>Current World Environment</i>, Vol. 5(1), 01-08 (2010) FAHD A.A. TRIKISTANI and I. ZAAFARANY. Kinetics and Mechanism of Non-Isothermal Decomposition of Ca (II)-, Sr(II)- and Ba (II)- Cross-Linked Divalent Metal-Alginate Complexes <i>International Journal of Chemistry</i>; Vol. 4, No. 6; 2012,7-14 Ishaq Zaafarany, Khalid Khairou, Fahd Tirkistani, Sayed Iqbal, Mohamed Khairy & Refat Hassan. Polymeric biomaterial hydrogels. I. Behavior of some ionotropic cross-linked metal-alginate hydrogels especially copper-alginate membranes in some organic Solvents and buffer solutions <i>Advances in Bioscience and Biotechnology</i> 2 (2012) 845-854 Refat Hassan, Fahd Tirkistani, Ishaq Zaafarany, Ahmed Fawzy, Mohamed Khairy, Sayed Iqbal. Kinetics and mechanism of oxidation of chondroitin-4-sulfate polysaccharide by chromic acid in aqueous perchlorate solutions <i>Carbohydrate Polymers</i> 92 (2013) 2321– 2326 Refat Hassana, Samia Ibrahim, Abdel Rahman Dahy, Ishaq Zaafarany, Fahd Tirkistani, and Hideo Takagi. Oxidation of Some Water-Soluble Anionic Polyelectrolytes. Oxidation of Carboxymethyl Cellulose Polysaccharide by Hexachloroiridate(IV) in Aqueous Perchlorate Solutions. A Kinetic and Mechanistic Approach to Electron-Transfer Process <i>Ind. Eng. Chem. Res.</i> 2013, 52, 1531–1537 Refat Hassan, Ishaq Zaafarany, and Hideo Takagi. Oxidation of Some Anionic Polyelectrolytes. Kinetics and Mechanism of Oxidation of Carboxymethyl Cellulose Polysaccharide by Cerium (IV) in Aqueous Perchlorate Solutions, <i>CACR Volume 1, Issue 1 15-24, 2014 American V-King Scientific Publishing Ltd</i>, Refat M. Hassan , Fahd A. Tirkistani , Ishaq A. Zaafarany , Basim H. Asghar , and Hideo D. Takagi. Physicochemical Studies on Some Coordination Biopolymeric Thorium (IV)-Complexes: Kinetics and Mechanism of Non-Isothermal Decomposition of Cross-Linked Thorium (IV)-Alginate Complex with Correlation between Coordination Geometry and Thermal Stability, <i>CACR Volume 1, Issue 1 7-14, 2014 American V-King Scientific Publishing Ltd</i>, Refat M. Hassan , Ishaq A. Zaafarany , Fahd A. Tirkistani , Basim H. Ashgar , and Hideo D. Takagi. 			





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Publications

Curriculum Vita

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P.O. Box	City	Postal Code	Country		
118	Makkah	21955	Saudi Arabia		
Tel. No. (Office)	Telephone No. (Home)	Fax No.	Mobile No.		
		0125200263	0503599574		
E-mail (1)	iazaafarany@uqu.edu.sa	E-mail (2)	ishaq_zaafarany@yahoo.com		
Academic Title	Associate Professor	Others Titles (Specify)			
Institute/University	Country	College/Directorate	Department		
Umm Al-Qura	Saudi Arabia	Applied Science	Chemistry		
Nationality	Date of Birth	Country of Birth			
Saudi	28-11-1962	Saudi Arabia			
Languages	Arabic	English			
Major field	Specialization field				
Physical Chemistry	Inorganic chemistry, electrochemistry, corrosion, radiochemistry				
PhD Thesis Title					
PHYSICO-CHEMICAL STUDIES ON NATURAL POLYMERS containing sulfonic groups AS CORROSION INHIBITORS					
MSc Thesis Title					
Determination of Trace Elements in Natural Zeolites By Neutron Activation Analysis (NAA)					
Key words which describe your field	Corrosion	Kinetics	Electrochemistry	Radiochemistry	
Qualifications					
Degree	Date awarded	Institute/University	Country		
B. Sc.	1984	Umm Al-Qura University	Saudi Arabia		
M. Sc.	1987	Salford University	UK		
Ph.D.	2007	Umm Al-Qura University	Saudi Arabia		
Associate Prof.	2012	Umm Al-Qura University	Saudi Arabia		
Date: From– To	Position	Institute/University	Country		
1985-2000	Instructor	Umm Al-Qura University	Saudi Arabia		
2000-2007	Lecturer	Umm Al-Qura University	Saudi Arabia		
2007-2012	Assistant Professor	Umm Al-Qura University	Saudi Arabia		
2012-till now	Associate Professor	Umm Al-Qura University	Saudi Arabia		



Scientific Activity**A) Conferences**

1. Fourth Saudi Science Conference
2. Taibah International Chemistry Conference
3. National chemistry Conference
4. 12th Middle East Corrosion Conferences & Exhibition
5. Corrosion and Protection of Metals
6. Ibn Sina Conferences...etc.

B) Membership

1. Saudi Chemical Society.
2. American Chemical Society (ACS)
3. The Materials Information Society (ASM)
4. Nominated for Who's Who in the World Editions.
5. Arab School for Science and Technology.
6. NACE International. American Chemical Society.
7. Royal Society of Chemistry.
8. IAEA.
9. AAEA
10. OCLC.
11. Editorial Staff of Oriental Journal of Chemistry and Others.

C) Academic Record

1. Member of the Chemistry department Scientific Research Committee.
2. Academic Tutor and the department registrar.
3. Member of General and Physical Chemistry Education Committee.

D) Research interest

1. Material Science,
2. Environmental Chemistry,
3. Polymers as Corrosion inhibitors,
4. Neutron Activation Analysis

Publications

1. Pitting Corrosion of Pure Iron Electrode in OH-/Cl- Solutions and its Inhibition by Sulfated Water Soluble Natural Polymer Oriental Journal of Chemistry, Vol.22 (2). 199-203 (2006) K.S. Khairou and I. Zaafarany.
2. Potential –Modulated Reflectance Study of the Iron in Alkaline Solution Oriental Journal of Chemistry. Vol.23 (1), 35-45 (2007) K.S.Khairou and I.Zaafarany.
3. Acid-catalyzed oxidation of carboxymethyl cellulose. Kinetics and mechanism of permanganate oxidation of carboxymethyl cellulose in acid perchlorate solutions, Catalysis Communications, Volume 11, Issue 3, 25 November 2009, Pages 184-190, Refat M. Hassan, Doaa A. Abdel-Kader, Saddek M. Ahmed, Ahmed Fawzy, Ishaq A. Zaafarany, Basim H. Asghar, Hideo D. Takagi.
4. Physicochemical studies on cross-linked thorium(IV)–alginate complex especially the electrical conductivity and chemical equilibrium related to the coordination geometry, Arabian Journal of Chemistry, Volume 2, Issue 1, July 2009, Pages 1-6, Ishaq A. Zaafarany, Khalid S. Khairou, Refat M. Hassan, Yasuhisa Ikeda.





5. Acid-catalyzed oxidation of some sulfated macromolecules. Kinetics and mechanism of oxidation of kappa-carrageenan polysaccharide by permanganate ion in acid perchlorate solutions, *Journal of Molecular Catalysis A: Chemical*, Volume 309, Issues 1-2, 18 August 2009, Pages 95-102, R.M. Hassan, A. Fawzy, G.A. Ahmed, I.A. Zaafarany, B.S. Asghar, K.S. Khairou.
6. Acid-catalysis of chromic acid oxidation of kappa-carrageenan polysaccharide in aqueous perchlorate solutions *Journal of Molecular Catalysis A: Chemical*, Volume 302, Issues 1-2, 1 April 2009, Pages 112-118 I.A. Zaafarany, K.S. Khairou, R.M. Hassan.
7. Physicochemical Studies on some Cross-linked Trivalent Metal-alginate Complexes especially the Electrical Conductivity and Chemical Equilibrium related to the Coordination Geometry, *High Performance Polymers* 2010; 22; 69, ISHAQ ZAAFARANY, KHALID KHAIROU, REFAT HASSAN.
8. Trace Elements in Natural Zeolites, *ANALYTICAL PROCEEDINGS- ROYAL SOCIETY OF CHEMISTRY*, 1993, VOL 30; NUMBER 11, pages 445, Dyer, A. Zaafarany, I. Gilmore, G. R.
9. Electrochemical behavior of iron electrode in NaOH solutions, *Materials Science Research India* Vol. 6(1), 29-34 (2009) Zaafarany* and K.S. Khairou.
10. Electrochemical behavior of iron electrode in sodium sulphide solutions, *Materials Science Research India* Vol. 7(1), (2010) I.Zaafarany.
11. Cyclic voltammetric behavior of iron electrode in sodium hydroxide solutions, *Materials Science Research India* Vol. 6(2), (2009) I. Zaafarany.
12. Cyclic voltammetric behavior of copper electrode in sodium sulfide solutions, *Material Science Research India* Vol. 6(2), (2009) I. ZAAFARANY and H. BOLLER.
13. Electrochemical behavior of copper electrode in sodium hydroxide solutions, *Current World Environment* Vol. 4(2), (2009) I. ZAAFARANY and H. BOLLER.
14. Ethoxylated Fatty Amide as Corrosion Inhibitors for Carbon Steel in Hydrochloric Acid Solution, *Int. J. Electrochem. Sci.*, 5 (2010) 18 – 28 I. Zaafarany and M. Abdallah.
15. Further evidence for detection of short-lived transient hypomanganate (V) and manganate (VI) intermediates during oxidation of some sulfated polysaccharides by alkaline permanganate using conventional spectrophotometric techniques, *Carbohydrate Research* 345 (2010) 1588–1593, Ishaq A. Zaafarany, Ahmed Fawzyb, Gamal A. Ahmedb, Said. A. Ibrahim, Refat. M. Hassanb, Hideo D. Takagic
16. Phenyl Phthalimide as Corrosion Inhibitor for Corrosion of C-Steel in Sulphuric Acid Solution, *Portugaliae Electrochimica Acta* 2009, 27(5), 631-643 I. Zaafarany.
17. Synthesis and Characterization of Tolbutamide Molybdenum Complex by Thermal, Spectral and X-Ray Studies, *J. Saudi Chem. Soc.*, Vol. 14, No. 3; pp. - (2010), S. A. Iqbal, George Jacob and I. Zaafarany.
18. ELECTRICAL PROPERTIES AND CHEMICAL EQUILIBRIA STUDIES ON CROSS-LINKED SELENIUM (IV)-ALGINATE COMPLEX RELATED TO THE COORDINATION GEOMETRY, *J. Saudi Chem. Soc.*, Vol. 13, No. 1; pp. 49-60 (2009) Ishaq A. Zaafarany, Khalid S. Khairou and Refat M. Hassan.
19. Thermal stability of copolymers of p-bromophenyl acrylamide-methyl methacrylate, *Current World Environment*, Vol. 5(1), 01-08 (2010) FAHD A.A. TRIKISTANI and I. ZAAFARANY.
20. Kinetics and Mechanism of Oxidation of Nicotine by Permanganate Ion in Acid Perchlorate Solutions *International Journal of Chemistry* Vol. 2, No. 2; August 2010 Ishaq A. Zaafarany.
21. Acid-catalyzed oxidation of some sulfated polysaccharides Kinetics and mechanism of oxidation of kappa-carrageenan





- by cerium (IV) in aqueous perchlorate solutions *Journal of Molecular Catalysis A: Chemical* 332 (2010) 138–144 R.M. Hassan, A. Alaraifi, A. Fawzy, I.A. Zaafarany, K.S. Khairou, Y. Ikeda, H.D. Takagi.
22. Kinetics and mechanism of permanganate oxidation of iota- and Lambda-carrageenan polysaccharides as sulfated carbohydrates in acid perchlorate solutions *Carbohydrate Research* 346 (2011) 2260–2267 Refat M. Hassan , Ahmed Fawzy , Gamal A. Ahmed , Ishaq A. Zaafarany , Basim H. Asghar , Hideo D. Takagi, Yasuhisa Ikeda.
 23. Base-catalyzed oxidation: Kinetics and mechanism of hexacyanoferrate (III) Oxidation of methyl cellulose polysaccharide in alkaline solutions *Journal of Molecular Catalysis A: Chemical* 344 (2011) 93– 98 R.M. Hassana, S.M. Ibrahim, I.A. Zaafarany, A. Fawzy, H.D. Takagic.
 24. Synthesis and Characterization of Glimeperide Complexes of Copper, Magnesium, Nickel and Cadmium *Oriental Journal of Chemistry* 2011, Vol. 27, No. (2): Pg. 603-609 MOHAMMAD TAWKIR, S.A. IQBAL, BAL KRISHAN and ISHAQ ZAAFARANY
 25. Limnological Studies of Upper Lake of Bhopal (India) *Oriental Journal of Chemistry* 2011, Vol. 27, No. (2): Pg. 703-711 VANDANA MAGARDE, S.A. IQBAL, NILOFAR IQBAL and ISHAQ ZAAFARANY
 26. Antihypertensive drugs as an inhibitors for corrosion of aluminum and aluminum silicon alloys in aqueous solutions, *Arabian Journal of Chemistry* (2012) 5, 225–234 M. Abdallah, I. Zaafarany, S.O. Al-Karane, A.A. Abd El-Fattah.
 27. The Inhibition of Carbon Steel Corrosion in Hydrochloric Acid Solution using Some Phenolic Compounds *Int. J. Electrochem. Sci.*, 7 (2012) 282 – 304 M.Abdallah, Basim H. Asghar, I. Zaafarany, and A.S.Fouda.
 28. Inhibition of Carbon Steel Corrosion by Iron(III) and Imidazole in Sulfuric Acid. *Int. J. Electrochem. Sci.*, 7 (2012) 1564 – 1579 M. Abdallah, I.Zaafarany, K.S.Khairou and M.Sobhi.
 29. Inhibition of Zinc Corrosion by Some Benzaldehyde Derivatives in HCl Solution. *J. of Materi. Eng. and Perform.*12, 1(2011) M. Abdallah, I. Zaafarany, A. S. Fouda & D. Abd El-Kader.
 30. Electrochemical Behaviour of a Copper Electrode in Ammonium Sulfide Solution. *Global Journal of Science Frontier Research Chemistry* Volume 12 Issue 2 Version 1.0 February (2012)1-8 I. Zaafarany & Herbert Boller.
 31. Oxidation of Some Macromolecules. Kinetics and Mechanism of Oxidation of Methyl Cellulose Polysaccharide by Permanganate Ion in Acid Perchlorate Solutions. *Ind. Eng. Chem. Res.* 2012, 51, 5424–5432 Refat Hassan, Abdel Rahman Dahy, Samia Ibrahim, Ishaq Zaafarany, and Ahmed Fawzy.
 32. Synthesis, Physico-chemical and Spectral Studies of Mercury Complex of Glibenclamide, An Oral Antidiabetic Drug *Orient. J. Chem.*, Vol. 28(1), 613-618 (2012) S.A. IQBAL, SIBI JOSE and ISHAQ ZAAFARANY.
 33. Antibacterial Cephalosporin as Inhibitors for the Corrosion of Iron in Hydrochloric Acid Solutions. *Int. J. Electrochem. Sci.*, 7 (2012) 6622 – 6637 M. Abdallah, I.Zaafarany, J.H. Al-Fahemi,Y.Abdallah and A.S. Fouda.
 34. NATURAL OILS AS CORROSION INHIBITORS FOR STAINLESS STEEL IN SODIUM HYDROXIDE SOLUTIONS *Chemistry and Technology of Fuels and Oils*, Vol. 48, No. 3, July, 2012,234-245 M. Abdallah, I. Zaafarany, K. S. Khairou, and Y. Emad.
 35. Kinetics and Mechanism of Non-Isothermal Decomposition of Ca (II)-, Sr(II)- and Ba (II)- Cross-Linked Divalent Metal-Alginate Complexes *International Journal of Chemistry*; Vol. 4, No. 6; 2012,7-14 Ishaq Zaafarany, Khalid Khairou, Fahd Tirkistani, Sayed Iqbal, Mohamed Khairy & Refat Hassan.
 36. Polymeric biomaterial hydrogels. I. Behavior of some ionotropic cross-linked metal-alginate hydrogels especially copper-alginate membranes in some organic Solvents and buffer solutions *Advances in Bioscience and Biotechnology* 2 (2012) 845-854 Refat Hassan, Fahd Tirkistani, Ishaq Zaafarany, Ahmed Fawzy, Mohamed Khairy, Sayed Iqbal.
 37. Spectroscopic and Thermal Characterization of Gliclazide, Glibenclamide and Glimeperide Complexes with Transition and Inner Transition Metals *Orient. J. Chem.*, Vol. 28(4), 1697-1710 (2012) MOHAMMAD TAWKIR, KHALID KHAIROU





and ISHAQ ZAAFARANY.

38. Kinetics and mechanism of oxidation of chondroitin-4-sulfate polysaccharide by chromic acid in aqueous perchlorate solutions *Carbohydrate Polymers* 92 (2013) 2321– 2326 Refat Hassana, Samia Ibrahim, Abdel Rahman Dahy, Ishaq Zaafarany, Fahd Tirkistani, and Hideo Takagi.
39. Oxidation of Some Water-Soluble Anionic Polyelectrolytes. Oxidation of Carboxymethyl Cellulose Polysaccharide by Hexachloroiridate(IV) in Aqueous Perchlorate Solutions. A Kinetic and Mechanistic Approach to Electron-Transfer Process *Ind. Eng. Chem. Res.* 2013, 52, 1531–1537 Refat Hassan, Ishaq Zaafarany, and Hideo Takagi.
40. Corrosion Inhibition of Iron in Sulphuric Acid Solutions by Antibacterial Cephalosporin. *Journal of American Science* 2013;9(3) M. Abdallah, A. S. Fouda, I. Zaafarany, A. Fawzy and Y. Abdaalah.
41. Ethoxylated fatty amines as corrosion inhibitors for carbon steel in hydrochloric acid solutions. *Int. J. Corros. Scale Inhib.*, 2013, 2, no. 2, 82–91 I. A. Zaafarany and Hamza A. Ghulman.
42. Inhibition of Aluminum Corrosion in Hydrochloric Acid by Cellulose and Chitosan. *Journal of American Science* 2013;9(4) M. Abdallah, I. Zaafarany, A. Fawzy, M. A. Radwan and E. Abdfattah.
43. Synthesis of Some Aromatic Nitro Compounds and its Applications as Inhibitors for Corrosion of Carbon Steel in Hydrochloric Acid Solution. *Protection of Metals and Physical Chemistry of Surfaces*, 2013, Vol. 49, No. 4, pp. 485–491. M. Abdallaha, B. H. Asghar, I. Zaafarany and M. Sobhi.
44. Synthesis, Physico-chemical and Spectral Studies of Mercury Complex of Glibenclamide, An Oral Antidiabetic Drug *Orient. J. Chem.*, Vol. 28(1), 613-618 (2012). S.A. IQBAL, SIBI JOSE and ISHAQ ZAAFARANY.
45. Corrosion Inhibition of Aluminum in Aqueous Alkaline Solutions by Alginate and Pectate Water-Soluble Natural Polymer Anionic Polyelectrolytes. *Portugaliae Electrochimica Acta* 2012, 30(6), 419-426 I. Zaafarany.
46. Kinetics of Corrosion Inhibition of Aluminum in Acidic Media by Water-Soluble Natural Polymeric Pectates as Anionic Polyelectrolyte Inhibitors *Materials* 2013, 6, 2436-2451. Refat M. Hassan, and Ishaq A. Zaafarany.
47. Temperature-Dependence of Electrical Conductivity for Some Natural Coordination Polymeric Biomaterials Especially Cross-Linked Tetravalent Metal-Alginate Complexes with Correlation between the Coordination Geometry and Complex Stability *Advances in Biosensors and Bioelectronics (ABB) Volume 2 Issue 2, June 2013.* Refat Hassana, Ishaq Zaafarany and Adil A. Gobouri.
48. Corrosion Inhibition of Mild Steel in Hydrochloric Acid Solution using Cationic Surfactant Olyel-amido Derivatives, *Int. J. Electrochem. Sci.*, 8 (2013) 9531 – 9542. I.A.Zaafarany.
49. Kinetics and mechanism of hexachloroiridate(IV)oxidation of tellurium(IV) in aqueous solutions *New J. Chem.*, 2013, 37, 2700—2707 Refat Hassan, Ishaq Zaafarany, Hideo Takagi and Yasuhisa Ikeda.
50. Ethoxylated fatty amines as corrosion inhibitors for carbon steel in hydrochloric acid solutions *Int. J. Corros. Scale Inhib.*, 2013, 2, no. 2, 82–91 I. A. Zaafarany, and Hamza A. Ghulman.
51. Novel Synthesis of Diketo-Acid Chondroitin-4-sulfate as Coordination Biopolymer Precursor through Oxidation of Chondroitin-4-sulfate by Alkaline Permanganate *International Journal of Sciences*, Volume 2, Issue July 2013 Adil A. Gobouri, Ishaq A. Zaafarany, Refat M. Hassan
52. Oxidation of Some Sulfated Carbohydrates: Kinetics and Mechanism of Oxidation of Chondroitin-4-Sulfate by Alkaline Permanganate with Novel Synthesis of Coordination Biopolymer Precursor *Journal of Materials Science Research*; Vol. 2, No. 4; 2013 Ishaq Zaafarany, Adil Gobouri & Refat Hassan.
53. Kinetics and mechanism of sol-gel transformation between some trivalent- and tetravalent-metal ions and Sodium alginate Anionic polyelectrolyte with formation of coordination Biopolymeric structure polymembranes Hydrogels of Capillary Structures Exener correlation for some gelation processes *Journal: Journal of Advances in Chemistry*, Vol 3,





No. 1 Ishaq A. Zaafarany.

54. Kinetics and Mechanism of Sol-Gel Transformation between Sodium Alginate Anionic Polyelectrolyte and Some Alkaline Earth Metal Ions with Formation of Coordination Biopolymer Ionotropic Polymembrane Hydrogels of Capillary Structures Advances in Biosensors and Bioelectronics (ABB) Volume 2 Issue 3, September 2013. Refat Hassan, Adil Gobouri, and Ishaq Zaafarany.
55. Synthesis, Physico-chemical, Spectral and Hypoglycemic Activity of Samarium Complex of Glimepiride, An Oral Antidiabetic Drug Biomed. & Pharmacol. J., Vol. 6(1), 89-98 (2013) SIBI JOSE and ISHAQ ZAAFARANY.
56. A Revisit to the Corrosion Inhibition of Aluminum in Aqueous Alkaline Solutions by Water-Soluble Alginates and Pectates as Anionic Polyelectrolyte Inhibitors International Journal of Corrosion Volume 2013, Article ID 508596, 8 pages Refat Hassan, Ishaq Zaafarany, Adil Gobouri, and Hideo Takagi.
57. Polymeric Biomaterial Hydrogels: II. Behavior of Some Coordination Biopolymeric Metal-Alginate Ionotropic Hydrogels in Aqueous Solutions JLM Volume 1, Issue 3 October 2013 PP. 41-47, Refat M. Hassan , Ishaq A. Zaafarany , Adil A. Gobouri , Fahd A. Tirkistani , Ahmed Fawzy , Hideo Takagi.
58. A Revisit to the Kinetics and Mechanistics of Electron-Transfer Process in Oxidation of Poly (Vinyl Alcohol) Macromolecule by Permanganate Ion in Aqueous Perchlorate Solutions with Novel Synthesis of Coordination Biopolymer Precursors Journal of American Science 2013;9(12) Ishaq A. Zaafarany.
59. Corrosion Behavior of Nickel Electrode in NaOH Solution and Its Inhibition by Some Natural Oils Int. J. Electrochem. Sci., 9 (2014) 1071 – 1086 M. Abdallah , I. A. Zaafarany , S. Abd El Wanees, and R. Assi.
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61. Corrosion inhibition of 1018 carbon steel in hydrochloric acid using Schiff base compounds Int. J. Corros. Scale Inhib., 2014, 3, no. 1, 12–27 I. A. Zaafarany.
62. Synthesis, Characterization and Spectral Study of Zinc Complex with Gliclazide(N-(hexahydrocyclopenta[c]pyrrol-2(1H)-ylcarbonyl)-4- methylbenzenesulfonamide) and its Hypoglycemic Activity Orient. J. Chem., Vol. 29(4), 1571-1577 (2013) BAL KRISHAN and ISHAQ ZAAFARANY.
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67. Non ionic surfactants derived from phenol compounds as inhibitors for corrosion of aluminum in hydrochloric acid solution Journal for Electrochemistry and Plating Technology I. A. Zaafarany.
68. Electrochemical Behavior of Copper Electrode in Potassium Sulfide Solutions Orient. J. Chem., Vol. 30(3), 981-991 (2014) I. ZAAFARANY and H. BOLLER.
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72. Spectrophotometric determination of iridium after complexation and membrane filtration *Analytical Chemistry Research* 3 (2015) 77–81 A.S. Amin and I.A. Zaafarany.
73. Oxidation of Some Anionic Polyelectrolytes. Kinetics and Mechanism of Oxidation of Carboxymethyl Cellulose Polysaccharide by Cerium (IV) in Aqueous Perchlorate Solutions, *CACR Volume 1, Issue 1 15-24, 2014 American V-King Scientific Publishing Ltd*, Refat M. Hassan , Fahd A. Tirkistani , Ishaq A. Zaafarany , Basim H. Asghar , and Hideo D. Takagi.
74. Physicochemical Studies on Some Coordination Biopolymeric Thorium (IV)-Complexes: Kinetics and Mechanism of Non-Isothermal Decomposition of Cross-Linked Thorium (IV)-Alginate Complex with Correlation between Coordination Geometry and Thermal Stability, *CACR Volume 1, Issue 1 7-14, 2014 American V-King Scientific Publishing Ltd*, Refat M. Hassan , Ishaq A. Zaafarany , Fahd A. Tirkistani , Basim H. Ashgar , and Hideo D. Takagi.
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80. Acid catalyzed Oxidation: Kinetics of Oxidation of Methyl Cellulose Polysaccharide as A Natural Polymer by Chromic Acid in Aqueous Perchlorate Solutions with Novel Synthesis of Coordination Biopolymer Precursors, *IJIRSET Volume 4, Issue 8, August 2015*, Ishaq Zaafarany, Hatem Altass, Jabir Alfahemi, Khalid Khairou, Hideo Takagi, and Refat Hassan.
81. Breakdown of passivity of nickel electrode in sulfuric acid and its inhibition by pyridinone derivatives using the galvanostatic polarization technique, *Int. J. Corros. Scale Inhib.*, 2015, 4, no. 4, 338–352, M. Abdalla, I. A. Zaafarany, S. Abd El Wanees, and R. Assi.
82. Spectrophotometric determination of bismuth after solid-phase extraction using amberlite XAD-2 resin modified with 5-(2 ? -bromophenylazo)-6-hydroxy pyrimidine-2,4-dione, *Journal of Taibah University for Science* 9 (2015) 490–497, Alaa S. Amin , and Ishaq A. Zaafarany.





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Publications

Curriculum Vita				
Name	Jabir Hamad Ali Al-Fahemi			
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50434	Makkah	21955	Saudi Arabia	
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5270000/3137				
E-mail (1)	jhfahemi@uqu.edu.sa	E-mail (2)	jfhahemi@gmail.com	
Academic Title	Dr	Others Titles (Specify)		
Institute/University	Country	College/Directorate	Department	
Umm Al-Qura	Saudi Arabia	Science	Chemistry	
Nationality		Date of Birth	Country of Birth	
Saudi		13/11/1975	Saudi Arabia	
Languages		Arabic	English	
Major field		Specialization field		
Chemistry		Physical Chemistry		
PhD Thesis Title				
Momentum-space descriptors for QSPR and QSAR studies				
MSc Thesis Title				
Key words which describe your field	QSPR/QSAR	Molecular Modeling	Theoretical Chemistry	
Qualifications				
Degree	Date awarded	Institute/University	Country	
BSc	1997	Umm Al-Qura University	Saudi Arabia	
PhD	2007	Liverpool University	United Kingdom	
Work Experience				
Date: From - To	Position	Institute/University	Country	



1997-1999	Teacher	Ministry of Education	Saudi Arabia
1999-2001	Demonstrator	Umm Al-Qura University	Saudi Arabia
2007- 2016	Assistant Professor	Umm Al-Qura University	Saudi Arabia
2016- present	Associate Professor	Umm Al-Qura University	Saudi Arabia

Scientific Activity

Theoretical and computational studies.

Publications

- 1) "The quantitative use of momentum-space descriptors." J.H. Al-Fahemi, D.L. Cooper and N.L. Allan, **Chem. Phys. Lett.** **416**, 376-380 (2005).
- 2) "The use of momentum-space descriptors for predicting octanol-water partition coefficients." J.H. Al-Fahemi, D.L. Cooper and N.L. Allan, **J. Mol. Struct. (THEOCHEM)** **727**, 57-61 (2005).
- 3) "Investigating the utility of momentum-space descriptors for predicting blood-brain barrier penetration." J.H.A. Al-Fahemi, D.L. Cooper and N.L. Allan, **J. Mol. Graphics Mod.** **26**, 607-612 (2007). Special Issue for W. Graham Richards 67th.
- 4) "Predictions of toxicity to *Chlorella vulgaris* and the use of momentum-space descriptors." J.H.A. Al-Fahemi, D.L. Cooper and N.L. Allan, **Croat. Chem. Acta** **82**, 311-316 (2009). Special issue for Zvonimir Maksic.
- 5) "QSAR using momentum-space and trivial feature count descriptors – an application to *Tetrahymena pyriformis* toxicity." J.H.A. Al-Fahemi, D.L. Cooper and N.L. Allan, **J. Mol. Struct. (THEOCHEM)** **901**, 56-59 (2009).
- 6) Jabir H. Al-Fahemi "The use of quantum-chemical descriptors for predicting the photoinduced toxicity of PAHs." *Journal of Molecular Modeling*, **18**, 4121-4129 (2012).
- 7) M. Abdallah1 I.Zaafarany1, J.H. Al-Fahemi, Y.Abdallah and A.S. Fouda "Antibacterial Cephalosporin as Inhibitors for the Corrosion of Iron in Hydrochloric Acid Solutions." *International Journal of Electrochemical Science*, **7**, 6622 – 6637 (2012).
- 8) Jabir H. Al-Fahemi "Structural descriptors for the correlation of human blood:air partition coefficient of volatile organic molecules by QSPRs." *Structural Chemistry*, **24**, 2155-2161 (2013).
- 9) Jabir H. Al-Fahemi "QSPR study on nematic transition temperatures of thermotropic liquid crystals based on DFT-calculated descriptors." *Liquid Crystals*, **41**, 1575-1582 (2014).
- 10) Elshafie A. M. Gad, Jabir H. Al-Fahemi and Khalid S. khairou "Adsorption of n-Alkyl Derivatives on Single Walled Carbon Nanotubes (Theoretical Approach.)" *Journal of Computational and Theoretical Nanoscience*, **11**, 404-408 (2014)
- 11) Jabir H. Al-Fahemi, M. Abdallah , Elshafie A.M. Gad, B.A.A.L. Jahdaly "Experimental and theoretical approach studies for melatonin drug as safely corrosion inhibitors for carbon steel using DFT " *Journal of Molecular Liquids*, **222**, 1157-1163 (2016).





Curriculum Vita

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-----	Makkah	-----	Saudi Arabia	
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E-mail (1)	benayana@hotmail.com	E-mail (2)	ambonayan@uqu.edu.sa	
Academic Title	Umm AlQura University	Others Titles (Specify)	-----	
Institute/University	Country	College/Directorate	Department	
Umm AlQura University	Saudi Arabia	Applied Science College	Chemistry	
Nationality		Date of Birth		Country of Birth
Saudi		1973		Makkah
Languages		Arabic	English	
Major field		Specialization field		
Physical Chemistry		Polymer and Corrosion Chemistry		
PhD Thesis Title				
Physico-Chemical Studies on Natural and Synthetic Polymers Containing Sulfonic groups and its Application as Corrosion Inhibitors.				
MSc Thesis Title				
Physico-Chemical Studies on Novel Synthesis of Unsaturated Polyesters				
Key words which describe your field	Kinetics and mechanisms of reaction.	Synthesis of novel polymers.	Studies corrosion inhibitors.	Catalysis.
Qualifications				
Degree	Date awarded	Institute/University	Country	
Ph.D.	2011	Umm Al Qura University	Saudi	
M.Sc.	2007	Umm Al Qura University	Saudi	
B.Sc.	1999	Umm Al Qura University	Saudi	
Work Experience				
Date: From - To	Position	Institute/University	Country	
2013-2015	Vice dean of	Umm Alqura University	Saudi Arabia	





	faculty & staffers		
2012	Vice dean of Development & Quality	Umm Alqura University	Saudi Arabia
2013	Head of Chemistry department	Umm Alqura University	Saudi Arabia
Scientific Activity			
Publications			
<p>1-Sodium Aliginate as Corrosion Inhibitor for Carbon Steel in 0.5 M HCl Solutions, International Journal of Scientific and Engineering Research, April 2014.</p> <p>2-Inhibiting Effect of Thiosemicarbazide and 4-Phenyl Thiosemicarbazide Towards the Corrosion of Carbon steel in H₃PO₄ Solutions, International Journal of Electrochemical Science, 2 December 2014.</p> <p>3-Thymol blue as Corrosion Inhibitor for Carbon Steel in 1 M Hydrochloric Acid Solutions, Nature and Science Journal, April 2015.</p> <p>4- Corrosion Inhibition of Carbon Steel in Hydrochloric Acid Solution by Senna-Italica Extract, International Journal of Research and Reviews in Applied Sciences, February 2015.</p> <p>5-Cefadroxil As Save Corrosion Inhibitor for Carbon Steel In Hydrochloric Acid Solutions, Ameena Mohsen Al-bonayan , International Journal of Advanced Research , 2014 .</p> <p>6-Development of Functional Food Products, El-Nawawy, M.A.Ibrahim, Rasha, Al-bonayan, Ameena M. and El-beily, Amany R, International Journal of Diary Science Research, 2012, (4):12-17.</p> <p>7-Synthesis and Characterization of new Poly(ester-amide)s Containing diarylidene cyclohexanone in the main Chain , Khalid S.Khairou, Mohamed Abdullah, Kamal Aly, Nariman Nahas, Ameena Al-bonayan.</p> <p>8-PAMPS and natural polymer as corrosion inhnbitors for Zinc in acidic media, Khalid S.Khairou, Ameena M. Al-bonayan.</p>			





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Publications

Curriculum Vita					
Name		Ahmed Fawzy Saad Sayed			
P.O. Box	City	Postal Code	Country		
673	Makkah	21955	Saudi Arabia		
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Academic Title	Associate Professor	Others Titles (Specify)			
Institute/University	Country	College/Directorate	Department		
Umm Al-Qura	Saudi Arabia	Applied Sciences	Chemistry		
Nationality		Date of Birth	Country of Birth		
Egyptian		1-1- 1973	Egypt		
Languages	Arabic	English	German		
Major field		Specialization field			
Physical Chemistry		Kinetic Chemistry			
PhD Thesis Title					
ELECTROCHEMICAL AND CORROSION BEHAVIOUR OF COMMERCIALY PURE NICKEL (Ni 201 ALLOY) IN CARBOXYLIC ACID SOLUTIONS AND THE EFFECT OF SOME INORGANIC ANIONS.					
MSc Thesis Title					
PHYSICO-CHEMICAL STUDIES ON SOME POLY-ELECTROLYTE MACROMOLECULES IN PARTICULARLY POLYSACCHARIDES.					
Key words which describe your field	Kinetics	Mechanistic Aspects	Oxidation	Catalysis	Corrosion
Qualifications					
Degree	Date awarded	Institute/University	Country		
B. Sc.	1996	Assiut University	Egypt		
M. Sc.	2005	Assiut University	Egypt		
Ph.D.	2008	Assiut University	Egypt		
Associate Prof.	2014	Assiut University	Egypt		
Employment					
Date: From– To	Position	Institute/University	Country		
1996-2005	Demonstrator	Assiut University	Egypt		
2005-2008	Assistant Lecturer	Assiut University	Egypt		



2008-2014	Assistant Professor	Assiut University	Egypt
2014-till now	Associate Professor	Assiut University	Egypt
Scientific Activity			
<p>A) Supervision of Post-Graduate Degrees</p> <ol style="list-style-type: none"> 1. M.Sc. Degree (Egypt, 2008-2010). 2. M.Sc. Degree (Saudi Arabia, 2012-2014). <p>B) Research Projects from Umm Al-Qura University (2014).</p> <ol style="list-style-type: none"> 1. Electrocatalytic dopamine oxidation at self assembled monolayer anchored to gold nanoparticles modified electrode. 2. Enhancing Corrosion Inhibition by Design: Synthesis and Evaluation of Promising Eco-Friendly Corrosion Inhibitors for Mild Steel. <p>C) Refereeing of Research Projects from:</p> <ol style="list-style-type: none"> 1. Umm Al-Qura University. 2. Taif University. 3. Princess Nourah University. <p>D) Refereeing of Scientific Papers for:</p> <ol style="list-style-type: none"> 1) International Journal of Chemical Kinetics 2) Journal of Environmental Chemical Engineering 3) Engineering Science and Technology: an International Journal <p>E) Conferences:</p> <ol style="list-style-type: none"> 1. The Second International Conference on Basic Sciences and Advanced Technology, Assiut, Egypt, 2000. 2. The Third International Conference in Electrochemistry and its Applications, Luxor, Egypt, 2001. 3. Physics Workshop in Assiut University, Assiut, Egypt, 2003. 4. National Conference in Chemistry, Makkah Al-Mukarramah, Saudi Arabia Kingdom, 2007. 5. 10th Ibn Sina International Conference on Pure and Applied Heterocyclic Chemistry (ISIC), Luxor, Egypt, 2007. 6. The First Conference for Young Scientists, Basic Sciences & Technology, Assiut University, Assiut, Egypt, 2007. 7. 9th Arab International Conference on Polymer Science & Technology, Hurghada, Egypt, 2007. 8. 11th Ibn Sina International Conference on Pure and Applied Heterocyclic Chemistry (ISIC), Cairo, Egypt, 2008. 9. Taibah International Chemistry Conference, Al-Madinah Al-Munawwarah, Saudi Arabia Kingdom, 2009. 10. Introductory Meeting Program of Accreditation and Quality Assurance, Faculty of Applied Sciences, Umm Al-Qura University, Makkah Al-Mukarramah, Saudi Arabia Kingdom, 2011. 11. 11th Scientific Forum for Hajj Researches, Makkah Al-Mukarramah, Saudi Arabia Kingdom, 2011. 12. Fifth Saudi Science Conference, Makkah Al-Mukarramah, Saudi Arabia Kingdom, 2012. 13. 12th Scientific Forum for Hajj Researches, Makkah Al-Mukarramah, Saudi Arabia Kingdom, 2012. 14. The Fourth Scientific Conference for Students of Higher Education in K.S.A., Makkah Al-Mukarramah, Saudi Arabia Kingdom, 2013. 15. 14th Scientific Forum for Hajj Researches, Makkah Al-Mukarramah, Saudi Arabia Kingdom, 2014. 16. The Second International Scientific Meeting of Faculty of Pharmacy, Makkah Al-Mukarramah, Saudi Arabia Kingdom, 2014. 			
Publications			





A) In The International Journals

1. Spectrophotometric Evidence for the Formation of Short-Lived Hypomanganate(V) and Manganate(VI) Transient Species During the Oxidation of K-carrageenan by Alkaline Permanganate. G. A. Ahmed, **A. Fawzy**, R. M. Hassan, *Carbohydr. Res.*, 342, 1382-1386 (2007).
2. Acid-Catalyzed Oxidation of Some Sulfated Macromolecules. Kinetics and Mechanism of Oxidation of Kappa-Carrageenan Polysaccharides by Permanganate Ion in Acid Perchlorate Solutions. R. M. Hassan, **A. Fawzy**, G. A. Ahmed, I. A. Zaafarany, B. S. Asghar, K. S. Khairou, *J. Mol. Cat. A*, 309, 95-102 (2009).
3. Acid-Catalyzed Oxidation of Carboxymethyl Cellulose. Kinetics and Mechanism of Permanganate Oxidation of Carboxymethyl Cellulose in Acid Perchlorate Solutions. R. M. Hassan, D. A. Abdel-Kader, S. M. Ahmed, **A. Fawzy**, I.A. Zaafarany, B. A. Asgar, H. D. Takagi, *Cat. Commun.*, 11, 184-190 (2009).
4. Acid-catalyzed Oxidation of Carboxymethyl Cellulose Polysaccharide by Chromic Acid in Aqueous Perchlorate Solutions. A Kinetics Study. R. M. Hassan, S. M. Ahmed, **A. Fawzy**, D. A. Abdel-Kader, Y. Ikeda, H. D. Takagi, *Cat. Commun.*, 11, 611-615 (2010).
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6. Further Evidence for Detection of Short-Lived Transient Hypomanganate(V) and Manganate(VI) Intermediates During Oxidation of Some Sulfated Polysaccharides by Alkaline Permanganate Using Conventional Spectrophotometric Techniques. I. A. Zaafarany, **A. Fawzy**, G. A. Ahmed, S. A. Ibrahim, R. M. Hassan, H. D. Takagi, *Carbohydr. Res.*, 345, 1588-1593 (2010).
7. Base-Catalyzed Oxidation of Some Sulfated Macromolecules: Kinetics and Mechanism of Formation of Intermediate Complexes of Short-Lived Manganate (VI) and/or Hypomanganate (V) During Oxidation of Iota- and Lambda-Carrageenan Polysaccharides by Alkaline Permanganate. R. M. Hassan, **A. Fawzy**, A. Alarifi, G. A. Ahmed, I. A. Zaafarany, H. D. Takagi, *J. Mol. Cat. A*, 335, 38-45 (2011).
8. Base-Catalyzed Oxidation. Kinetics and Mechanism of Hexacyanoferrate(III) Oxidation of Methyl Cellulose Polysaccharide in Alkaline Solutions. R. M. Hassan, S. M. Ibrahim, I. A. Zaafarany, **A. Fawzy**, H. D. Takagi, *J. Mol. Cat. A*, 344, 93-98 (2011).
9. Kinetics and Mechanism of Permanganate Oxidation of Iota- and Lambda-Carrageenan Polysaccharides as Sulfated Carbohydrates in Acid Perchlorate Solutions. R. M. Hassan, **A. Fawzy**, G. A. Ahmed, I. A. Zaafarany, B. H. Asghar, H. D. Takagi, Y. Ikeda, *Carbohydr. Res.*, 346, 2260-2267 (2011).
10. Oxidation of Some Macromolecules. Kinetics and Mechanism of Oxidation of Methyl Cellulose Polysaccharide by Permanganate Ion in Acid Perchlorate Solutions. R. M. Hassan, A. Dahy, S. Ibrahim, I. A. Zaafarany, **A. Fawzy**, *Ind. Eng. Chem. Res.*, 51, 5424-5432 (2012).
11. Polymeric Biomaterial Hydrogels. I. Behavior of Some Ionotropic Cross-Linked Metal-Alginate Hydrogels Especially Copper-Alginate Membranes in Some Organic Solvents and Buffer Solutions. R. Hassan, F. Tirkistani, I. A. Zaafarany, **A. Fawzy**, M. Khairy, S. Iqbal, *Advances Biosci. Biotech.*, 3, 845-854 (2012).
12. Corrosion inhibition of Iron in Sulphuric Acid Solution by Antibacterial Cephalosporin. M. Abdallah, A. S. Fouda, I. Zaafarany, **A. Fawzy**, Y. Abdallah, *J. Am. Sci.*, 9, 209-215 (2013).
13. Inhibition of Aluminum Corrosion in Hydrochloric Acid by Cellulose and Chitosan. M. Abdallah, I. Zaafarany, **A. Fawzy**, M. A. Radwan, E. Abdfattah, *J. Am. Sci.*, 9, 580-586 (2013).
14. Polymeric Biomaterial Hydrogels: II. Behavior of Some Coordination Biopolymeric Metal-Alginate Ionotropic Hydrogels in Aqueous Solutions. R. M. Hassan, I. A. Zaafarany, A. A. Gobouri, F. A. Tirkistani, **A. Fawzy**, H. Takagi,





J. Life Med., 1, 41-47 (2013).

15. Base-Catalyzed Oxidation of L-Asparagine by Alkaline Permanganate and the Effect of Alkali-Metal Ion Catalysts: Kinetics and Mechanistic Approach. **A. Fawzy**, S. S. Ashour, M. A. Musleh, *React. Kinet. Mech. Cat.*, 111, 443-460 (2014).
16. Kinetics and Mechanistic Investigations on the Oxidation of *N*-Heteroaryl Unsymmetrical Formamides by Permanganate Ion in Aqueous Alkaline Medium. **A. Fawzy**, M. R. Shaaban, *Trans. Met. Chem.*, 39, 379-386 (2014).
17. Influence of *N*-Thiazolyl-2-Cyanoacetamide Derivatives on the Corrosion of Aluminum in 0.01M Sodium Hydroxide. M. Abdallah, O. A. Hazazi, **A. Fawzy**, S. El-Shafei, A. S. Fouda, *Prot. Met Phys Chem. Surf.*, 50, 659-666 (2014).
18. Enhanced 4-amino-5-methyl-4H-1,2,4-triazole-3-thiol Inhibition of Corrosion of Mild Steel in 0.5 M H₂SO₄ by Cu(II). O. A. Hazazi, **A. Fawzy**, M. R. Shaaban, M. I. Awad, *Int. J. Electrochem. Sci.*, 9, 1378-1389 (2014).
19. Synergistic Effect of Halides on the Corrosion Inhibition of Mild Steel in H₂SO₄ by a Triazole Derivative: Kinetics and Thermodynamic Studies. O. A. Hazazi, **A. Fawzy**, M. I. Awad, *Int. J. Electrochem. Sci.*, 9, 4086-4103 (2014).
20. Kinetics and Mechanistic Approach into Electron-Transfer of Permanganate Oxidation of Silver(I) in Aqueous Perchlorate Solutions. R. M. Hassan, I. A. Zaafarany, F. A. Tirkistani, **A. Fawzy**, H. D. Takagi, *Res. Appl. Inorg. Chem.*, 1, 1-10 (2014).
21. Kinetics and Mechanism of Oxidation of L-Histidine by Permanganate Ions in Sulfuric Acid Medium. **A. Fawzy**, S. S. Ashour, M. A. Musleh, *Int. J. Chem. Kinet.*, 46, 370-381 (2014).
22. Influence of Copper(II) Catalyst on the Oxidation of L-Histidine by Platinum(IV) in Alkaline Medium: A Kinetic and Mechanistic Study, **A. Fawzy**, *Trans. Met. Chem.*, 39, 567-576 (2014).
23. Kinetics and Mechanistic Approach to the Oxidative Behavior of Biological Anticancer Platinum(IV) Complex towards L-Asparagine in Acid Medium and the Effect of Copper(II) Catalyst. **A. Fawzy**, *Int. J. Chem. Kinet.*, 47, 1-12 (2015).
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25. Kinetic, mechanistic, and spectroscopic studies of permanganate oxidation of azinylformamides in acidic medium, with autocatalytic behavior of manganese(II). B. H. Asghar, **A. Fawzy**, *J. Saudi Chem. Soc.*, in press (2015).
26. Kinetics and mechanism of uncatalyzed and silver(I)-catalyzed oxidation of L-histidine by hexachloroplatinate(IV) in acid medium. **A. Fawzy**, B. H. Asghar, *Trans. Met. Chem.*, 40, 287-295 (2015).
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31. Silver(I) catalysis of oxidative deamination and decarboxylation of L-asparagine and L-histidine by platinum(IV) in perchloric acid solutions: a comparative kinetics study. **A. Fawzy**, H.M. Altass, B.H. Asghar, *J. Env. Chem. Eng.* In



- press (2015).
32. Base-Catalyzed Oxidation of Aminotriazole Derivative by Permanganate Ion in Aqueous Alkaline Medium: A Kinetic Study. A. Fawzy, I. A. Zaafarany, J. Alfahemi, F. A. Tirkistani, *Int. J. Inn. Res. Sci. Eng. Tech.*, 4, 6802-6814 (2015).
 33. Oxidation of Pectate Biopolymer by Hexacyanoferrate(III) in Aqueous Alkaline Medium. A Kinetic and Mechanistic Study, **A. Fawzy**, I. A. Zaafarany, J. Alfahemi, I. Althagafi, M. Morad, *Chem. Sci. Rev. Lett.*, In press (2015).
 34. Oxidation of Alginate and Pectate Biopolymers by Cerium(IV) in Perchloric and Sulfuric Acid Solutions: A Comparative Kinetic and Mechanistic study. **A. Fawzy**, *Carbohydr. Polym.* In press (2015).
 35. Ruthenium(III)-Catalyzed Oxidation of Alginate and Pectate Biopolymers by Chromic Acid in Aqueous Perchlorate Solutions: A Comparative Kinetic Study. **A. Fawzy**, H. M. Altass, *Trans. Met. Chem.*, Accepted (2015).
 36. Kinetic and Mechanistic Aspects of Oxidation of Aminotriazole Formamidine by Cerium(IV) in Aqueous Perchloric and Sulfuric Acid Solutions: A Comparative Study, **A. Fawzy**, *J. Solution Chem.* Accepted (2015).
 37. Silver(I)-Catalysis of Oxidative Deamination and Decarboxylation of L-Asparagine and L-Histidine by Platinum(IV) in Perchloric Acid Solutions: A Comparative Kinetics Study. B. H. Asghar, H. M. Altass, **A. Fawzy**, *J. Env. Chem. Eng.* 4, 617-623 (2016).
 38. Oxidation of Alginate and Pectate Biopolymers by Cerium(IV) in Perchloric and Sulfuric Acid Solutions: A Comparative Kinetic and Mechanistic Study. **A. Fawzy**, *Carbohydr. Polym.* **138**, 356-364 (2016).
 39. Ruthenium(III)-Catalyzed Oxidation of Alginate and Pectate Biopolymers by Chromic Acid in Aqueous Perchlorate Solutions: A Comparative Kinetic Study. **A. Fawzy**, H. M. Altass, *Trans. Met. Chem.* **41**, 115-124 (2016).
 40. Kinetic and Mechanistic Aspects of Oxidation of Aminotriazole Formamidine by Cerium(IV) in Aqueous Perchloric and Sulfuric Acid Solutions: A Comparative Study. **A. Fawzy**, *J. Solution Chem.* **45**, 246-264 (2016).
 41. Palladium(II)-Catalyzed Oxidation of L-Tryptophan by Hexacyanoferrate(III) in Perchloric Acid Medium: A Kinetic and Mechanistic Approach. **A. Fawzy**, *J. Chem. Sci.* **128**, 247-256 (2016).
 42. Kinetics and Mechanism of Uncatalyzed and Ruthenium(III)-Catalyzed Oxidation of Formamidine Derivative by Hexacyanoferrate(III) in Aqueous Alkaline Medium. **A. Fawzy**, *J. Chem. Sci.* **128**, 733-743 (2016).
 43. Europium(III)-Catalysis for Reduction of Thionine Dye by Selenous Acid in Aqueous Sulfuric Acid Solutions: A Kinetic and Mechanistic Approach. **A. Fawzy**, *Int. J. Chem. Kinet.* **48**, 531-543 (2016).
 44. Kinetics and Mechanistic Approach to the Chromic Acid Oxidation of L-Tryptophan with a Spectral Detection of Chromium(III) Product. **A. Fawzy**, S. S. Ashour, M. A. Musleh, R. M. Hassan, B. H. Asghar, *J. Saudi Chem. Soc.*, **20**, 450-458 (2016).
 45. Kinetic, Mechanistic, and Spectroscopic Studies of Permanganate Oxidation of Azinylformamidines in Acidic Medium, with Autocatalytic Behavior of Manganese(II). B. H. Asghar, **A. Fawzy**, *J. Saudi Chem. Soc.*, **20**, 561-569 (2016).
 46. Kinetics and Mechanistic Study of Permanganate Oxidation of Fluorenone Hydrazone in Alkaline Medium. **A. Fawzy**, S. A. Ahmed, I. I. Althagafi, M. H. Morad, K. S. Khairou, *Adv. Phys. Chem.*, 1-9 (2016).
 47. Chromic Acid Oxidation of Methylaminopyrazole Formamidine in Sulfuric Acid Medium: A Kinetic and Mechanistic Approach. **A. Fawzy**, I. Althagafi, F. Tirkistani, M. Shaaban, M. Morad, *Am. J. Phys. Chem.*, **5**, 1-9 (2016).
 48. Kinetics and Mechanism of Silver(I)-Catalyzed Oxidation of Tryptophan by Platinum(IV) in Perchlorate Solutions. **A. Fawzy**, I. Althagafi, *Am. J. Chem. Eng.*, **4**, 23-29 (2016).
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 50. Kinetics and Mechanistic Study of Oxidation of Pyridine Derivative by Cerium(IV) in Aqueous Perchloric Acid. **A. Fawzy**,



- I. A. Zaafarany, F. A. Tirkistani, **A. Al-Bonayan**, F. A. Aljiffrey, *Am. J. Phys. Chem.*, 5, 10-16 (2016).
51. Mechanism of Oxidation of Methylaminopyrazole Formamidine by Alkaline Hexacyanoferrate(III) and the Effect of Divalent Transition Metal Ions. **A. Fawzy**, I. A. Zaafarany, N. Yarkandi, **A. Al-Bonayan**, Z. Almallah, *Sci. J. Chem.*, 1, 1-8 (2016).
52. Effect of Silver(I) Catalyst on the Oxidation of L-Asparagine by Alkaline Hexacyanoferrate(III): A Kinetic and Mechanistic Approach. **A. Fawzy**, I. A. Zaafarany, **A. Al-Bonayan**, Z. Almallah, R. Shah, *Modern Chem.*, 4, 6-15 (2016).
53. Synthesis of Novel Diketo acid Carragenans as Coordination Biopolymeric Chelating Agent Precursor by Oxidation of Kappa-Carrageenan Polysaccharide by Alkaline Permanganate. **A. Fawzy**, I. A. Zaafarany, I. I. Althagafi, J. H. Alfahemi, H. M. Altass, K. S. Khairou, R. M. Hassan, *AASCIT Commun.*, 3, 49-55 (2016).
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55. Palladium(II)-Catalyzed Oxidation of Pyrimidine Derivative by Hexacyanoferrate(III) in Aqueous Alkaline Medium: A Kinetic Study. **A. Fawzy**, I. Zaafarany, F. Tirkistani, J. Alfahemi, M. Morad, *Am. J. Chem. Eng.*, 4, 38-45 (2016).
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60. Oxidation of Caffeine by Permanganate Ion in Perchloric and Sulfuric Acid Solutions: A Comparative Kinetic Study. **A. Fawzy**, I. A. Zaafarany, K. S. Khairou, L. S. Almazroai, B. A. Al-Jahdali, T. M. Bawazeer, *Sci. J. Chem.*, 4, 19-28 (2016).
61. Kinetics and Mechanism of Silver(I)-Catalyzed Oxidations of α -Aminobutyric Acid by Platinum(IV) in Perchloric and Sulfuric Acid Solutions. **A. Fawzy**, I. A. Zaafarany, K. S. Khairou, N. Yarkandi, L. S. Almazroai, T. M. Bawazeer, *Aust. Chem. Eng.*, 3(2), 1-7 (2016).
62. A Comparative Kinetic Study of Silver(I)-Catalyzed Oxidations of Alanine and Valine by Platinum(IV) in Perchloric and Sulfuric Acid Solutions. **A. Fawzy**, I. A. Zaafarany, F. A. Tirkistani, I. Althagafi, J. Alfahemi, *Am. J. Phys. Chem.*, 5, 65-73 (2016).
63. Kinetics and Mechanistic Approach to Palladium(II)-Catalyzed Oxidative Deamination and Decarboxylation of Leucine and Isoleucine by Anticancer Platinum(IV) Complex in Perchlorate Solutions. **A. Fawzy**, I. A. Zaafarany, H. M. Altass, I. I. Althagafi, T. M. Bawazeer, *Modern Chem. Appl.*, 4, 182 (2016).
64. Kinetics and Mechanistic Approach to the Permanganate Oxidation of L-Glutamine in Alkaline Medium. **A. Fawzy**, H. M. Altass, *Aust. Chem. Eng.*, 3(3), 1-6 (2016).
65. A Comparative Kinetic and Mechanistic Study on the Oxidation Behavior of Halogenated Fluorenes by Permanganate in Alkaline Medium. **A. Fawzy**, R. J. Jassas, I. I. Althagafi, S. A. Ahmed, H. M. Altass, *Sci. J. Chem.*, 4, 69-78 (2016).
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70. Kinetics and Mechanistic Approach to the Chromic Acid Oxidative Degradation of Atropine Drug in Perchlorate Solutions and the Effect of Ruthenium(III) Catalyst. **A. Fawzy**, I. A. Zaafarany, R. S. Jassas, R. J. Obaid, S. A. Ahmed, *Modern Chem. Appl.*, in press (2016).
71. Kinetics and Mechanism of Oxidation of Fluorenone Hydrazone by Permanganate Ion in Different Acidic Media. **A. Fawzy**, S. A. Ahmed, H. M. Altass, I. I. Althagafi, I. A. Zaafarany, K. S. Khairou, *Aust. Chem. Eng.*, 3(4), 1-7 (2016).
72. Kinetics and Mechanism of Ruthenium(III)-Catalyzed Oxidation of L-Citrulline by Hexachloroplatinate(IV) in Perchloric Acid. **A. Fawzy**, **I. A. Zaafarany**, **I. I. Althagafi**, **H. M. Altass**, **M. H. Morad**, **F. A. Tirkistani**, *Sci. J. Chem.*, 4, 53-60 (2016).
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74. Kinetics and Mechanistic Approach to the Oxidation of Inositol by Cerium(IV) in Aqueous Perchlorate Medium. I. Althagafi, **A. Fawzy**, I. A. Zaafarany, F. A. Tirkistani, K. S. Khairou, *Am. J. Phys. Chem.*, 5, 87-93 (2016).
75. Kinetics and Mechanism of Permanganate Oxidation of Inositol in Perchloric and Sulfuric Acid Solutions. **A. Fawzy**, I. A. Zaafarany, H. M. Altass, M. H. Morad, J. Alfahemi, *Am. J. Chem. Eng.*, 4, 98-104 (2016).
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77. A Study of the Kinetic and Mechanism of Oxidation of Pyrazole Derivative by Permanganate Ion in Neutral Medium and the Effect of Metal Ion Catalysts, I. I. Althagafi, **A. Fawzy**, *Frontiers Heterocycl. Chem.*, 2, 1-7 (2016).
78. Permanganate Oxidation of Benzimidazole and Benzthiazole Derivatives in Sulfuric Acid Medium: Kinetics and Mechanistic Aspects. **A. Fawzy**, I. A. Zaafarany, K. S. Khairou, T. M. Bawazeer, B. A. Al-Jahdali, N. Yarkandi, *Biochem. Mol. Biol.*, 1, 11-19 (2016).
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80. Kinetics and Mechanism of Electron Transfer to Platinum(IV) by Cadaverine in Perchloric Acid Medium. **A. Fawzy**, I. A. Zaafarany, I. I. Althagafi, *Am. J. Phys. Chem. Chem. Phys.*, 1, 16-21 (2016).
81. Chromium(VI) Oxidation of Cadaverine in Different Acidic Media: A Comparative Kinetic Study. **A. Fawzy**, I. A. Zaafarany, M. Abdallah, T. M. Bawazeer, *Biochem. Mol. Biol.*, in press (2016).
82. Kinetics and Mechanisms of Permanganate Oxidations of Cadaverine in Different Media. **A. Fawzy**, I. A. Zaafarany, M. Abdallah, R. S. Jassas, R. J. Obaid, *Am. J. Phys. Chem.*, in press (2016).
83. Silver(I)- and Copper(II)-Catalysis for Oxidation of Histidine by Cerium(IV) in Acid Medium: A Comparative Kinetic Study. **A. Fawzy**, I. I. Althagafi, H. M. Altass, *Int. J. Chem. Kinet.*, in press (2016).
84. Kinetics and Mechanism of Permanganate Oxidations of Isosorbide in Different Acidic Media. **A. Fawzy**, N. Elguesmi, I. I. Althagafi, B. H. Asghar, *J. Sol. Chem.*, in press (2016).

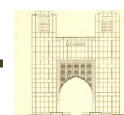




6

Publications

Curriculum Vita			
Name	Badreah Ali Mohamed Al-Jahdaly		
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70771	Jeddah	21577	KSA
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Academic Title	Assistant professor	Others Titles (Specify)	-
Institute/University	Country	College/Directorate	Department
Um Alqura	KSA	Science	Chemistry
Nationality	Date of Birth		Country of Birth
Saudi	1974		KSA
Languages	Arabic	English	
Major field	Specialization field		
Chemistry	Electrochemistry		
PhD Thesis Title			
Electrochemical studies on the interaction of some metal cations with some cryptands in different solutions.			
MSc Thesis Title			
Effect of some organic compounds on the electrochemical and corrosion behavior of aluminium and aluminium alloys in acidic media.			
Key words which describe your field	Corrosion and Corrosion Inhibition	Environmental and Electrochemical Applications	Nanomaterials
Qualifications			
Degree		Institute/University	Country
B.Sc		King Abdul Aziz University	KSA
M.Sc		Umm Al-Qura University	KSA
Ph.D		Umm Al-Qura University	KSA
Work Experience			
Date: From - To	Position	Institute/University	Country
1997 – 2008	Demonstrator	Umm Al-Qura University	KSA
2008 – up to date	Assistant Professor	Umm Al-Qura University	KSA
Scientific Activity			
<ul style="list-style-type: none"> Corrosion and corrosion inhibition (study the corrosion of metals and alloys and its inhibition). 			



- Nanochemistry.
- Environmental and Electrochemical Applications.
- Electroanalytical: Potentiometry and conductometry.
- Thermodynamic & Solution chemistry.

Publications

- 1- E. A. Gomaa, **B. M. Al-Jahdali**, Association of $\text{Cu}(\text{NO}_3)_2$ with Kryptofix-221 in Mixed (MeOH-DMF) Solvents at Different Temperatures; American Journal of Fluid Dynamics, 1(2011)4-8.
- 2- E. A. Gomaa, **B. A. Al-Jahdali**, Conductometric Studies of Calcium Ions with Kryptofix 221 in Mixed MeOH-DMF Solvents at Different Temperatures, Education, 2(3)(2012) 37-40
- 3- E. A. Gomaa, **B. M. Al-Jahdali**; Conductometric studies of ionic association of divalent electrolyte $\text{Cu}(\text{NO}_3)_2$ with Kryptofix-22 in mixed MeOH-DMF solutions at different temperatures, American journal of of condensed matter physics, 2(1) (2012)16-21
- 4- E. A. Gomaa, **B. M. Al-Jahdali**, Electrical conductance of $\text{Cu}(\text{NO}_3)_2$ with Kryptofix-222 in mixed (MeOH-DMF) solvents at different temperatures, American Journal of Environmental Engineering, 2(2)(2012)6-12
- 5- M. Abdallah, O.A.Hazazi, **B. A. ALJahdaly**, A. S. Fouda, W. El-Nagar, Corrosion Inhibition of Zinc in Sodium Hydroxide Solutions using Coumarin Derivatives, International Journal of Innovative Research in Science, Engineering and Technology, 3(6)(2014) 13802-13819
- 6- M. Abdallah, **B.A. AL Jahdaly**, O.A. Al-Malyo, Corrosion Inhibition of Carbon Steel in Hydrochloric Acid Solution using Non- Ionic Surfactants Derived from Phenol Compounds, Int. J. Electrochem Sci., 10 (2015) 2740 – 2754.





5

Publications

Curriculum Vita			
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Academic Title	Assistant professor	Others Titles (Specify)	-
Institute/University	Country	College/Directorate	Department
Um Alqura	KSA	Science	Chemistry
Nationality	Date of Birth		Country of Birth
Saudi	1974		KSA
Languages	Arabic	English	
Major field	Specialization field		
chemistry	Physical chemistry		
PhD Thesis Title			
Photocatalytic Hydrogen Production			
MSc Thesis Title			
Stability and degradation of new copolymer			
Key words which describe your field	photocatalysis	Hydrogen fuel	nanomaterials
Qualifications			
Degree	Date awarded	Institute/University	Country
B.Sc	1997	UQU	KSA
M.Sc	2001	UQU	KSA
Ph.D	2010	Cardiff University	UK
Work Experience			
Date: From - To	Position	Institute/University	Country
11/1418 – 12/1430	Teaching assistant	UQU	KSA
12/1430 – up to date	Assistant Professor	UQU	KSA





5/1431-5/1433	Depute of chemistry department		
Scientific Activity			
Some workshops about: Endnote – scientific research and its tools			
Publications			
<p>1- L S Almazroai, Michael Bowker, P Davies, A Dickinson, J Greaves, D James, " The photocatalytic reforming of methanol, catalysis today, 2007.</p> <p>2- Jane Greaves, Layla Al-mazroai, Philip Davies, Michael Bowker, " Photocatalytic Methanol Reforming on Au / TiO₂ for Hydrogen Production", Gold Bulletin, 2006.</p> <p>3- Michael Bowker, Philip R. Davies and Layla Saeed Al-Mazroai., "Photocatalytic Reforming of Glycerol over Gold and Palladium as an Alternative Fuel Source" Catalysis Letters, V. 128, 3-4 (2009), 253-255.</p> <p>4- Hasliza Bahruji, Michael Bowker, Philip R. Davies, Layla Saeed Al-Mazroai, Amanda Dickinson, Jane Greaves, David James, Lucy Millard, "Sustainable H₂ gas production by photocatalysis", Fabien Pedrono. Journal of Photochemistry and Photobiology A: Chemistry 216 (2010) 115–118.</p> <p>5- Wageh Swelm, Layla Almazroai; Ahmed Alshahrie; Ahmed Al-Ghamdi, Enhanced visible light photocatalytic activity of ZnO:Ag spherical nanoparticles prepared by co-precipitation method", Journal of Alloys and Compounds, 2016.</p>			





1

Publications

Curriculum Vita				
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Academic Title	Assistant Prof.	Others Titles (Specify)		
Institute/University	Country	College/Directorate	Department	
Umm Al-Qura University	Saudi Arabia	Applied Sciences	Chemistry	
Nationality	Date of Birth		Country of Birth	
Saudi	27 - 6 - 1976		Saudia Arabia	
Languages	Arabic	English		
Major field	Specialization field			
Chemistry	Physical Chemistry			
PhD Thesis Title				
Electrochemical, Spectrophotometric and Potentiometric Studies of Some Derivatives of Hetero Cyclic Rings in Aqueous Media				
MSc Thesis Title				
Physico-Chemical Studies of Some sulphha drugs Derivatives containing Electroactive Centers in Aqueous Solutions Using Different Techneques				
Key words which describe your field	Electrochemical	Cyclic voltammetric	Potentiometric Studies	Azo and azomethine compounds
Qualifications				
Degree	Date awarded	Institute/University	Country	
B. Sc. Degree	1995	Umm Al-Qura University	Makkah	
M. Sc. Degree	2004	College of Education in Jeddah	Jeddah	
Ph. D. Degree	2012	King Abdulaziz University	Jeddah	
Work Experience				
Date: From - To	Position	Institute/University	Country	



2002-2004	Demonstrator	College of Education in Makkah	Makkah
2004-2012	Lecturer	Umm Al-Qura University	Makkah
2012-until now	Assistant Prof.	Umm Al-Qura University	Makkah
Scientific Activity			
Publications			
<p>1- Distinctive Routs: Electrochemical and Spectrophotometric Studies and Dissociation Constants Determination of Some Aminopyridine Azo-Dye Derivatives in Aqueous Media. E.M. Mabrouk, <u>R.N. Felaly</u> and E.H. El-Mossalamy, Int. J. Electrochem. Sci., 11 (2016).</p>			





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Umm Qura University	Kingdom of Saudi Arabia	College of Applied Science	Chemistry
Nationality	Date of Birth	Country of Birth	
Saudi	19-4-1976 G	Makkah	
Languages	Arabic		
Major field	Specialization field		
Physical Chemistry	Quantum Chemistry		
PhD Thesis Title			
Structure conformation analysis of cyclic and acyclic formazans and some of their complexes using molecular orbital theory			
MSc Thesis Title			
Study of the electronic structure for different isomers of some compounds containing on sulfur			
Key words which describe your field	DFT , B3LYP	Computational methods Theoretical study	Electronic properties Molecular orbital treatment
Qualifications			
Degree	Date awarded	Institute/University	Country
Bakalurius	1418 H	Umm Qura University	K.S.A
Master	1425 H	Umm Qura University	K.S.A
PhD	1432 H		K.S.A
Work Experience			
Date: From - To	Position	Institute/University	Country





From 15-5-1436H to now	Deputy of Chemistry Department (Female)	Umm Qura University	Kingdom of Saudi Arabia
Scientific Activity			
Publications			
Substituent effect on the electronic structure of sulfine: Molecular orbital treatment. Phosphorus sulfur and silicon, 180 : 2235-2253, (2005)			





24

Publications

Curriculum Vita				
Name		Ahmed Mohamed Mohamed El Defrawy		
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673	makkah	21955	Saudi arabia	
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			0509164469	
E-mail (1)	ameldefrawy@gmail.com	E-mail (2)	amdefrawy@uqu.edu.sa	
Academic Title	Assistant professor	Others Titles (Specify)		
Institute/University	Country	College/Directorate	Department	
Umm Al Qurah	Saudi Arabia	Faculty of Applied Science	Chemistry	
Nationality		Date of Birth	Country of Birth	
Egyptian		6/7/1976	Egypt	
Languages		Arabic	English	
Major field		Specialization field		
Chemistry		Molecular Spectroscopy and Quantum Chemistry		
PhD Thesis Title				
<i>Theoretical and Experimental Studies of Energetics of Molecular Conformation and Spectral Behaviour of Some Saturated Four, Five and Six Membered Cyclic Molecules</i>				
MSc Thesis Title				
<i>Theoretical and Experimental Investigation of the Electronic Structure and Vibrational Spectra of Thiazole and Some of its Derivatives</i>				
Key words which describe your field	Molecular Spectroscopy	Computational Chemistry	Conformational Analysis	Structural Activity relationship
Qualifications				
Degree	Date awarded	Institute/University	Country	
PhD in Physical Chemistry	2008	(joint supervision program-between Mansoura University, Egypt, and University of Missouri-	Egypt	



		Kansas City, USA)	
M.Sc. in Physical Chemistry	2004	Mansoura University	Egypt
B.Sc. in Chemistry	1998	Mansoura University	Egypt
Work Experience			
Date: From - To	Position	Institute/University	Country
Jan. 2012 – till present	Assistant professor of physical chemistry	Chemistry Department Faculty of Applied Science, Umm al qurah	Saudi Arabia
Dec. 2008 -Jan. 2012	Lecturer of physical chemistry	Chemistry Department, Faculty of Science, Mansoura University	Egypt
March 2006 – March 2008	Research Associate	Chemistry Department, Faculty of Art and Science University of Kansas-city Missouri, USA	USA
Sep. 2004 – March 2006	Assistant Lecturer	Chemistry Department, Faculty of Science, Mansoura University	Egypt
Oct. 1998 – Sep. 2004	Demonstrator	Chemistry Department, Faculty of Science, Mansoura University	Egypt
Scientific Activity			
<p>1. Experimental and theoretical studies of Infrared and Raman (vibrational spectroscopy) UV/visible (electronic spectroscopy), physical properties of molecular complexes, small and medium-sized molecules.</p> <p>2. Ab-initio and DFT investigations on the structural preferences and Properties of small , medium-sized molecules and Novel Transition-Metal Complexes.</p> <p>3. A particular current interest is the investigation of conformational preferences, isomerization and hydrogen bonding in biologically relevant neutral molecules, as well as the quantitative structure activity relationship (QSAR) and quantitative structure property relationship (QSPR) studies.</p>			
Publications			
<p>1-Conformational stability, r_0 structural parameters, <i>ab initio</i> calculations, and vibrational assignment for germacyclopentane Gamil A. Guirgis, Ahmed M. El Defrawy, Todor K. Gounev, Mamdouh S. Soliman, James R. Durig <i>Journal of Molecular Structure, Volumes 834-836, 2007, P. 17-29</i></p> <p>2-Conformational stability, r_0 structural parameters, <i>ab initio</i> calculations, and vibrational assignment forsilacyclopentane Gamil A. Guirgis, Ahmed M. El Defrawy, Todor K. Gounev, Mamdouh S. Soliman, James R. Durig <i>Journal of Molecular Structure, Volume 832, Issues 1-3, 2007, P. 73-83</i></p> <p>3-Conformational stability, structural parameters, vibrational spectra, and <i>ab initio</i> calculations of</p>			





isopropyl- and tertiary-butyliothiocyanate

James R. Durig, Xiaohua Zhou, **Ahmed M. El Defrawy**, Gamil A. Guirgis, Todor K. Gounev, Chao Zheng

Journal of Molecular Structure, Volume 839, Issues 1-3, 2007, P. 107-124

4-Infrared and Raman spectra, conformational stability, structural parameters, *ab initio* calculations and vibrational assignments of aminodifluorophosphine

James R. Durig, Pamela Tschudin, Kim C. Cohn, Bryan R. Durig, Xiaohua Zhou, Chao Zheng, **Ahmed M. El Defrawy**

Journal of Molecular Structure, Volume 875, Issues 1-3, 2008, P. 406-418

5-Vibrational spectrum, conformational stability, structural parameters and *ab initio* calculations of dimethylaminodifluorophosphine

James R. Durig, Savitha Panikar, Xiaohua Zhou, **Ahmed M. El Defrawy**

Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 69, Issue 3, 2008, P.715-725

6-Conformational stability of cyclobutanol from temperature dependent infrared spectra of xenon solutions, r_0 structural parameters, *ab initio* calculations and vibrational assignment

James R. Durig, Arindam Ganguly, **Ahmed M. El Defrawy**, Todor K. Gounev, Gamil A. Guirgis

Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 71, Issue 4, 2008, P. 1379-1389

7-Conformational stability of chlorocyclohexane from temperature-dependent FT-IR spectra of xenon solutions, r_0 structural parameters, and vibrational assignment

James R. Durig, **Ahmed M. El Defrawy**, Rachel M. Ward, Gamil A. Guirgis and Todor K. Gounev

Structural Chemistry, Volume 19, 2008

8-On the relative intensities of the Raman active fundamentals, r_0 structural parameters, and pathway of chair-boat interconversion of cyclohexane and cyclohexane- d_{12} .

James R. Durig, Chao Zheng, **Ahmed M. El Defrawy**, Rachel M. Ward, Todor K. Gounev, K. Ravindranath, N. Rajeswara Rao

Journal of Raman Spectroscopy, Volume 40, Issue 2, 2009, P.197-204

9-Conformational Stability, r_0 Structural Parameters, Ab Initio Calculations, and Vibrational Assignment for Fluorocyclopentane.

James R. Durig, **Ahmed M. El Defrawy**, Arindam Ganguly, Todor K. Gounev and Gamil A. Guirgis

Journal of Physical Chemistry A, 2009, 113 (35), p. 9675–9683.

10-Conformational stability of bromocyclohexane from temperature dependent FT-IR spectra of xenon solutions, r_0 structural parameters and vibrational assignment

James R. Durig, **Ahmed M. El Defrawy**, Rachel M. Ward, Gamil A. Guirgis, Todor K. Gounev

Journal of Molecular Structure, Volume 918, Issues 1-3, 2009, P. 26-38





11-Conformational stability, r_0 structural parameters, barriers to internal rotation and vibrational assignment of cyclobutylamine

James R. Durig, Arindam Ganguly, **Ahmed M. El Defrawy**, Gamil A. Guirgis, Todor K. Gounev, W.A. Herrebout, B.J. van der Veken

Journal of Molecular Structure, Volume 918, Issues 1-3, 2009, P. 64-76

12-Vibrational spectra, r_0 structural parameters, barriers to internal rotation, and *ab initio* calculations of $\text{ClCH}_2\text{SiH}_3$, $\text{Cl}_2\text{CHSiH}_3$, $\text{ClCH}_2\text{SiF}_3$ and $\text{Cl}_2\text{CHSiF}_3$

Gamil A. Guirgis, Savitha S. Panikar, **Ahmed M. El Defrawy**, Victor F. Kalasinsky, James R. Durig

Journal of Molecular Structure, Volume 922, Issues 1-3, 2009, P. 93-102

13-Conformational stability of allyl alcohol from temperature dependent infrared spectra of rare gas solutions, *ab initio* calculations, r_0 structural parameters, and vibrational assignment .

James. R. Durig, Arindam Ganguly, **Ahmed M. El Defrawy**, Chao Zheng, Hassan M. Badawi, W.A. Herrebout, B.J. van der Veken, Gamil A. Guirgis and Todor K. Gounev

Journal of Molecular Structure, Volume 922, Issues 1-3, 30 2009, P. 114-126

14-Conformational stability, r_0 structural parameters, *ab initio* calculations, and vibrational assignment for cyanocyclopentane

James R. Durig, Rachel M. Ward, Arindam Ganguly, **Ahmed M. El Defrawy**, Keegan G. Nelson, Todor K. Gounev, Mamdouh S. Soliman and Gamil A. Guirgis

Vibrational Spectroscopy, Volume 53, Issue 1, 2010, P. 45-53

15-Synthesis and Characterization of New Transition Metal Complexes of Schiff- base Derived from 2-Aminopyrimidine and 2,4-Dihydroxybenzaldehyde and Its Applications in Corrosion Inhibition.

Abd El-Fatah M. Ouf, Mayada S. Ali, Mamdouh S. Soliman, **Ahmed M. El Defrawy**, and Sahar I. Mostafa

Journal of the Korean Chemical Society, Vol. 54, No. 4, 2010, p. 402-410.

16-Synthesis of Some Novel Antioxidant and Anticorrosive Additives for Egyptian Gasoline Motor Oils.

H. M. Hassan, O. M. O. Habib, Evelin B. Moawad, Ghada G. El-Bana and **A. M. El Defrawy**

Lubrication Science (2011) DOI: 10.1002/ls.146

17-Theoretical Study of the Tautomeric Preference and Self Association Processes of 2-Pyrrolidinone.

Ahmed M. El Defrawy, Maii S. Mashaly, Mamdouh S. Soliman

Journal of American Science, Vol.7, Issue 6, 2011, p. 1163-1172.

18- Conformational Stability from Variable-Temperature Infrared Spectra of Xenon Solutions, r_0 Structural Parameters, and Vibrational Assignment of Pyrrolidine.

James R. Durig, **Ahmed M. El Defrawy**, Arindam Ganguly, Savitha S. Panikar, and Mamdouh S. Soliman

Journal of Physical Chemistry A, vol.115 (26), 2011, pp 7473–7483.



19-Synthesis, Cytotoxicity Evaluation, DFT Molecular Modeling Studies and Quantitative Structure Activity Relationship of Novel 1,8-Naphthyridines

Ahmed A. Fadda , **Ahmed M. El Defrawy**, Sherihan A. El-Hadidy
American Journal of Organic Chemistry 2012, 2(4): 87-96

20-Lornoxicam & Tenoxicam Drugs as Green Corrosion Inhibitors for Carbon Steel in 1 M H₂SO₄ Solution

A. S. Fouda, **A. M. El-Defrawy**, and M. W. El-Sherbeni
Journal of Electrochemical Science and Technology Vol. 4, No. 2, 2013, 47-56

21- α -Furil Dioxime: DFT Exploration and its Experimental Application to the Determination of Palladium by Square Wave Voltammetry

Marwa G. Elghalban, **Ahmed M. El Defrawy**, Reem K. Shah, Mohamed A. Morsi
Int. J. Electrochem. Sci., 9 (2014) 2379 – 2396.

22-Inhibition Effects and Theoretical Studies of Synthesized Novel Bisaminothiazole Derivatives as Corrosion Inhibitors for Carbon Steel in Sulphuric Acid Solutions

M.Abdallah, **A.M. El Defrawy**, I. A. Zaafarany, M.Sobhi, A.H.M. Elwahy, and M. R. Shaaban
Int. J. Electrochem. Sci., 9 (2014) 2186 – 2207

23- Synthesis and Quantum Chemical Studies on the Tautomeric Structures of NewThiazole and Thiadiazine Derivatives

Sobhi M. Gomha, Fatm A. A. El-Hag, **Ahmed M. El Defrawy**, and Thoraya A. Farghaly
Current Organic Synthesis, 2016, 13, 1-10

24- Theoretical and Experimental Study on the Effect of End Chain Length on Ultraviolet Absorption Behavior and Photo Stability of Alkoxy Benzoate Based Liquid Crystals

Ahmed M. El Defrawy, Said Z. Mohammady , Marwa G. El Ghalban , Hossa F. El Sharief , **presented as a poster in ICCSA 2016: International Conference on Chemical Sciences and Its Applications, Alex, Egypt**

CONFERENCES AND MEETINGS:

17-20 April 2001: "Molecular Geometry and Normal Coordinate Analysis of Thiazole and 2-Aminothiazole" poster presentation".

T.M.El Gogary, A.M.ElDefrawy, M.S. Soliman, *Presented as a poster in the 6th International Conference on Chemistry and its Role in Development ICCRD 6, Mansoura, Egypt.*

11-14 April 2005: "Charge Transfer Complexes of Some Thiazoles with Iodine" Oral

Presentation. A.M .El-Defrawy, M.S.Soliman, *Presented as a poster in the 8th International Conference On Chemistry and its Role in Development ICCRD 8 , Mansoura&Sharm El Sheikh, Egypt.*

November7-11, 2007:Conformational Stability, Structural Parameters, Ab Initio

Calculations, and Vibrational Assignment for Cyclopentyl Fluoride. Ahmed M. El Defrawy, Gamil A. Guirgis, James R.





Durig. *Presented as a poster at the 42nd ACS Midwest Regional Meeting,*

November 7-11, 2007: Conformational Stability, Structural Parameters, Vibrational Spectra, and Ab Initio Calculations of Isopropyl- and Tertiary- Butylisothiocyanate. Xiaohua Zhou, Ahmed M. El Defrawy, James R. Durig. *Presented as a poster at the 42nd ACS Midwest Regional Meeting.*

November 7-11, 2007: Vibrational Assignments, Structural Parameters, Barrier to Internal Rotation for $\text{ClCH}_2\text{SiH}_3$, $\text{Cl}_2\text{CHSiH}_3$ and $\text{ClCH}_2\text{SiF}_3$. Savitha S. Panikar, James R. Durig, Ahmed El Defrawy. *Presented as a poster at the 42nd ACS Midwest Regional Meeting.*

17-22 August 2008: On the Relative Intensities of Raman Active Fundamentals and Potential Function of Conformation Interchange of Cyclohexane Isotopomers. James R. Durig, Chao Zheng, Ahmed M. El Defrawy, Rachel M. Ward, Todor K. Gounev. *presented in ICORS XXI Uxbridge, West London, UK.*





Curriculum Vita			
Name	Hatem Mohamed Altass		
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Academic Title	Aassistant professor	Others Titles (Specify)	Head of Chemistry Department
Institute/University	Country	College/Directorate	Department
Umm Al-Qura University	Saudi Arabia	Faculty of Applied Science	Chemistry
Nationality	Date of Birth	Country of Birth	
Saudi	1981/3/9	Saudi Arabia	
Languages	Arabic	English	
Major field	Specialization field		
Physical Chemistry	Surface and Nano Chemistry		
PhD Thesis Title			
HCl Nanoscience at Copper and Copper/Gold			
MSc Thesis Title			
Kinetics of Oxidation of Thiol-Containing Compounds Via Cobalt complexes			
Key words which describe your field	Kinetics	Surface Characterization	Nano Chemistry
Qualifications			
Degree	Date awarded	Institute/University	Country
Bsc	2005	Umm Al-Qura University	Saudi
MsC	2008	Jordan University	Jordan
PhD	2013	Cardiff University	UK





Work Experience			
Date: From - To	Position	Institute/University	Country
2013-2014	Lecturer of Physical Chemistry	Umm Al-Qura University	Saudi Arabia
2014- Now	Assistant Professor of Physical Chemistry	Umm Al-Qura University	Saudi Arabia
2014 - Now	Head of Chemistry Department	Umm Al-Qura University	Saudi Arabia
Scientific Activity			
Conferences :-			
<ul style="list-style-type: none"> • Contraction by Poster <ol style="list-style-type: none"> 1. 18th Interdisciplinary Surface Science Conference (ISSC-18). 2. Cardiff Spring Conference 2011. 3. 14th European Conference on Applications of Surface and Interface Analysis (ECASIA) 2012. 4. Rideal Conference 2012. 5. 30th European Conference on Surface Science (ECOSS-30) 2013. • Contraction by Talk <ol style="list-style-type: none"> 1. 29th European Conference on Surface Science (ECOSS-29) 2014. 2. 31st European Conference on Surface Science (ECOSS-31) 2015. • Current Research Interests <ol style="list-style-type: none"> 1. Preparation , characterization and application of superacid catalysts and their applications. 2. Study the catalytic activity of supported and unsupported bimetallic nanoparticles towards the CO oxidation reaction , Fischer-Tropsch reaction and other reactions. 3. Synthesized passivated nanomaterials with controlled size and shape (dots, plate-like, rods and nanowires) using microwave and thermal methods. 4. Preparation, characterization and application of Metal Organic Framework (MOF) loaded with heteropoly acid, metallic and bimetallic nanoparticles. 5. Preparation characterization and application of mesoporous materials (such as: MCM-41). 6. Preparation characterization and application of supported and unsupported gold nanoparticles. 7. Preparation characterization and application gold colloidal nanoparticles. 			



Publications

1. Enhancing surface reactivity with a noble metal, **Hatem Altass**, Albert F. Carley, Philip R. Davies and Robert J. Davies, *Chem. Commun.*, **2013**.
2. Transition metal-catalyzed oxidation of L-asparagine by platinum(IV) in acid medium: a kinetic and mechanistic study, Basim H. Asghar, **Hatem M. Altass**, Ahmed Fawzy, *Transition Metal Chemistry*, **2015**.
3. Surface and catalytic properties of triflic acid supported zirconia: Effect of zirconia tetragonal phase, **Hatem. M Altass**, Abd El Rahman S. Khder, *Journal of Molecular Catalysis A*, , **2015**.
4. Silver(I) catalysis of oxidative deamination and decarboxylation of L-asparagine and L-histidine by platinum(IV) in perchloric acid solutions: A comparative kinetics study, Basim H. Asghar, **Hatem M. Altass**, Ahmed Fawzy, *Transition Metal Chemistry*, **2015**.
5. Mesoporous metal(IV) phosphates as high performance acid catalysts for the synthesis of photochromic bis-naphthopyran via Claisen rearrangement. Abd El Rahman S. Khder, Saleh A. Ahmed, **Hatem M. Altass**, *Reaction Kinetics, Mechanisms and Catalysis*, **2015**.
6. Electrical Conductivity and Chemical Equilibria of Coordination Biopolymeric Cerium (IV)-Alginate Complex with Correlation between the Structure and Complex Stability, Ishaq Zaafarany, **Hatem Altass**, Jabir Alfahemi, Khalid Khairou, Refat Hassan, *International Journal of Chemistry*, 2015.
7. Copper(II) catalysis for oxidation of L-tryptophan by hexacyanoferrate(III) in alkaline medium: A kinetic and mechanistic approach, Basim H. Asghar, *Hatem M. Altass*, Ahmed Fawzy, *Journal of Saudi Chemical Society*, **2016**.
8. Ruthenium(III)-catalyzed oxidation of alginate and pectate biopolymers by chromic acid in aqueous perchlorate solutions: a comparative kinetic study, *Transition Metal Chemistry*, **2016**.
9. XPS and STM studies of the oxidation of hydrogen chloride at Cu(100) surfaces, *Hatem Altass*, Albert F. Carley, Philip R. Davies and Robert J. Davies, *Surface Science*, **(2016)**.





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Publications

Curriculum Vita				
Name		Tahani Mohammad Bawazeer		
P.O. Box		City	Postal Code	Country
5555		Makkah	21955	Saudi Arabia
Tel. No. (Office)		Telephone No. (Home)	Fax No.	Mobile No.
			0125200263	0555595399
E-mail (1)		tmbawazeer@uqu.edu.sa	E-mail (2)	tmbawazeer@hotmail.com
Academic Title		Dr.	Others Titles (Specify)	
Institute/University		Country	College/Directorate	Department
Umm Al-Qura University		Saudi Arabia	Applied Sciences	Chemistry
Nationality		Date of Birth		Country of Birth
Saudi		13 - 3 - 1979		Saudi Arabia
Languages		Arabic	English	
Major field		Specialization field		
Chemistry		Physical Chemistry		
PhD Thesis Title				
Developments of New Techniques for Studies of Coupled Diffusional and Interfacial Physicochemical Processes				
MSc Thesis Title				
Micro-Mechanical Behaviour Of Conducting Polymer Thin Films: A New Friction Instrument				
Key words which describe your field		Physical chemistry	Surface Chemistry	Nanotechnology Electrochemistry
Qualifications				
Degree		Date awarded	Institute/University	Country
B. Sc. Degree		2002	Umm Al-Qura University	Saudi Arabia
M. Sc. Degree		2009	University of Warwick	United Kingdom
Ph. D. Degree		2013	University of Warwick	United Kingdom
Work Experience				
Date: From - To		Position	Institute/University	Country
2007-2012		Lecturer	Umm Al-Qura University	Saudi Arabia



2014 till now	Assistant Prof.	Umm Al-Qura University	Saudi Arabia
Scientific Activity			
<i>Awards</i>			
<ol style="list-style-type: none"> 1. First prize in the poster competition Award at Electrochem 2009, in Manchester in September 2009, in outstanding confirmation of the exceptional quality of the work. 2. Best poster prize in the <u>poster competition Award</u> at the Midlands Electrochemistry Group Meeting held at Leicester University, in April 2010, in outstanding confirmation of the exceptional quality of the work. 3. Gold Paper award in applied science at the fourth Saudi International Conference 2010, SIC04, in Manchester. 4. Distinguished Researcher Award from Saudi International Conference (SIC-04), Manchester, based on achievements in research, 2010. 5. <u>Distinguished Researcher Award</u> from Royal Embassy of Saudi Arabia, Cultural Bureau in London, based on achievements in research, 2010. 6. The Saudi Cultural Bureau award (£1000), 2011. 			
<i>Voluntary Works</i>			
<ol style="list-style-type: none"> 7. Lab demonstrator, Department for Chemistry, Umm Al-Qura University, Saudi Arabia, 2003. 8. Lab demonstrator for London International Youth Science Forum (LYSIF), The University of Warwick, UK, 2009. 9. PhD Representative - Postgraduate Staff-Student Liason Committee, SSLC, Warwick University, 2010. 10. Members of Organisers Committee of Quran Competition for Saudi Students Clubs and Schools in UK and Ireland, 2007 – 2008. 11. Saudi Female Activity Supervisor in Coventry clubs, UK, 2009. 12. Teacher in Saudi School in Coventry, UK, 2009. 13. The chair representative of Saudi female in UK and Ireland, round 30, 2010- 2011. I have been appointed by the Royal Embassy of Saudi Arabia in London. 14. Pioneer in the initiative "Volunteering Research and Research Volunteering", UQU, 2016. 15. Pioneer in the initiative research project concerning the <u>Kiswaa Kaaba fabric production factory</u>. 16. A referee and reviewer for American Journal of Applied Chemistry, Science PG 			
<i>Professional ShortCourses, Trainings and Workshops</i>			
<ol style="list-style-type: none"> 17. The Leica SP5X White Light Laser Confocal Workshop – Part1, Oxford University, 2009. 18. The Leica SP5X White Light Laser Confocal Workshop – Part2, University of Warwick, 2009. 19. Demonstrators for laboratory classes and workshops, The University of Warwick, 2009. 20. Developing and Improving Memory, Warwick University, Coventry, UK, 2009 			





21. **Presenting to an Academic Audience**, Warwick University, Coventry, UK, 2009
22. **Poster Design and Creation**, Warwick University, Coventry, UK, 1 Day, 2009
23. **Getting Published Successfully**, Warwick University, Coventry, UK, 2009
24. **Writing for Publication**, Warwick University, Coventry, UK, 2009
25. **Managing Research Material and Ideas**, Warwick University, Coventry, UK, 2009
26. **How to Write Literature Review – Science and Medicine**, Warwick University, , UK, 2009
27. **Negotiation and Influencing Skills**, Quality Side Training Ltd, Manchester, UK, 2010
28. **Teamwork and Leadership Development**, Quality Side Training Ltd, Manchester, UK, 2010.
29. **The Postgraduate Certificate in Transferable Skills in Science**, University of Warwick, 2012.

Publications

- 1) **Tahani M. Bawazeer**, Mohammad S. Alsoufi, Dina Katowah and Waad S. Alharbi: Effect of Aqueous Extracts of *Salvadora Persica* "Miswak" on the Acid Eroded Enamel Surface at Nano-Mechanical Scale, *Materials Science and Applications*, 2016; 7
- 2) Fawzy A., Zaaferany I. A., Khairou K. S., Al-Jahdali B. A., **Bawazeer T. M.**, Yarkandi N. Permanganate Oxidation of Benzimidazole and Benzthiazole Derivatives in Diluted Sulfuric Acid Medium: Kinetics and Mechanistic Aspects. *Biochemistry and Molecular Biology*. Vol. 1, No. 3, 2016, pp. 11-19.
- 3) Ahmed Fawzy, Ishaq A. Zaaferany, Khalid S. Khairou, Layla S. Almazroai, **Tahani M. Bawazeer**, Badriah A. Al-Jahdali, Oxidation of Caffeine by Permanganate Ion in Perchloric and Sulfuric Acids Solutions: A Comparative Kinetic Study, *Science Journal of Chemistry*, January 2016; 4(2): 19-28.
- 4) Ahmed Fawzy, Ishaq A. Zaaferany, Khalid S. Khairou, Layla S. Almazroai, **Tahani M. Bawazeer**, Badriah A. Al-Jahdali, Ruthenium(III)-Catalyzed Oxidation of Vanillin by Anticancer Hexachloroplatinate(IV) Complex in Perchloric Acid Solutions: A Kinetic Study, *American Journal of Physical Chemistry*, May 2016; 5(3): 56-64.
- 5) Ahmed Fawzy, Ishaq A. Zaaferany, Hatem M Altass, Ismail I Althagafi and **Tahani M Bawazeer**, Badriah A. Al-Jahdali, Kinetics and Mechanistic Approach to Palladium (II)-Catalyzed Oxidative Deamination and Decarboxylation of Leucine and Isoleucine by Anticancer Platinum (IV) Complex in Perchlorate Solutions, *Mod Chem appl*, May 2016; 4(2).
- 6) **Amr L. Saber, and Tahani. M. Bawazeer**, Spectrophotometric determination of pioglitazone in bulk and pharmaceutical formulations through ion-pair and charge transfer complexes formation, *Jokull*, March 2016; 66(3): 102-120.
- 7) Ibrahim M. A. Mohamed, Moaded Motlak, M. Obaid, Mohammad S. Alsoufi, **Tahani M. Bawazeer**, Ahmed F. Mohamed, and Nasser A. M. Barakat, Co/Cr-Decorated Carbon



Nanofibers as Novel and Efficacious Electrocatalyst for Ethanol Oxidation in Alkaline Medium, Journal of Nanoscience and Nanotechnology, 2016; Vol. 16, 1–7.

- 8) Zafar Khan Ghouri · Awan Zahoor, Nasser A.M. Barakat· Mohammad S. Alsouf · **Tahani M. Bawazeer** · Ahmed F. Mohamed · Hak Yong Kim, The (2 × 2) tunnels structured manganese dioxide nanorods with α phase for lithium air batteries, Superlattices and Microstructures, February 2016; 90: 184–190.
- 9) Zafar Khan Ghouri , Nasser A.M. Barakat, Al-Mahmnr Alam, Mohammad S. Alsoufi, **Tahani M. Bawazeer**, Ahmed F. Mohamed, and Hak Yong Kim, Synthesis and characterization of Nitrogen-doped & CaCO₃ -decorated reduced graphene oxide nanocomposite for electrochemical supercapacitors Electrochimica Acta, 2015; 184:193–202.
- 10) Ahmed Fawzy, Ismail Althagafi, Khalid Khairou, Refat Hassan, Naeema Yarkandi, Layla Almazroai and **Tahani Bawazeer**, Kinetics and Mechanistic Aspects of Oxidation of Iota- And Lambda- carrageenans by Chromium(VI) in Aqueous Perchlorate Solutions, Chem Sci Rev Lett 2015, 4(16), 1293-1304.
- 11) M. S. Alsoufi, and **T. M. Bawazeer**, Quantifying assessment of touch-feel perception, an investigation using self-touch (human fingertip) and stylus base equipment, accepted at Umm Al-Qura Univ. J. Eng & Arch 2015.
- 12) M. S. Alsoufi, and **T. M. Bawazeer**, Effect of aggressive biological materials on a painted automotive body surface roughness including in-door and out-door condations, American Journal of Nano Research and Applications 2015; 3(2): 17-26
- 13) T. A. Ali, A. L. Saber, G. G. Mohamed and **T. M. Bawazeer**, Determination of Cr(III) ions in Different water samples using Chromium(III)-sensor based on N-[4-(dimethylamino)benzylidene]-6-nitro-1,3-benzothiazol-2-amine, Int. J. Electrochem. Sci., 2014, 9-4932 - 4943.
- 14) A. Rutkowska, **T. M. Bawazeer**, J. V. Macpherson and P. R. Unwin, Visualisation of Electrochemical Processes at Optically Transparent Single Walled Carbon Nanotube Ultramicroelectrodes, Phys. Chem. Chem. Phys., 2011, 13, 5223-5226.
- 15) **T. M. Bawazeer**, A. Rutkowska, J. V. Macpherson and P. R. Unwin, Fluorescence Measurements at Single Walled Carbon Nanotubes (SWNT) electrode using Confocal Laser Scanning Microscopy (CLSM), Proc. 4th Saudi International Conference (SIC-04), Manchester, UK, 2010.





6

Publications

Curriculum Vita				
Name	Moataz Hashem Sulaiman Morad			
P.O. Box	City	Postal Code	Country	
21955	Makkah		Saudi Arabia	
Tel. No. (Office)	Telephone No. (Home)	Fax No.	Mobile No.	
012-5270000 (Ext:3112)		9264	0506532163	
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Academic Title	Assistant Professor	Others Titles (Specify)		
Institute/University	Country	College/Directorate	Department	
Umm Al-qura university	Makkah	Applied science	Chemistry	
Nationality	Date of Birth	Country of Birth		
Saudi	17/06/1986	Makkah		
Languages	Arabic	English	-	
Major field		Specialization field		
Physical Chemistry		Petroleum and Petrochemicals		
PhD Thesis Title				
Development of new highly active nano gold catalysts for selective oxidation reactions				
MSc Thesis Title				
-				
Key words which describe your field	Nanoparticle catalysts	Heterogeneous catalysts	Petrochemicals hydrogenation	oxidation
Qualifications				
Degree	Date awarded	Institute/University	Country	
B.Sc	2007	Umm Al-qura university	SA	
Ph.D	2014	Cardiff university	UK	
Work Experience				
Date: From - To	Position	Institute/University	Country	





Scientific Activity			
Publications			
1-	Continuous Heterogeneously Catalyzed Oxidation of Benzyl Alcohol Using a Tube-in-Tube Membrane Microreactor. Gaowei Wu, Achilleas Constantinou, Enhong Cao, Simon Kuhn, Moataz Morad, Meenakshisundaram Sankar, Donald Bethell, Graham J. Hutchings, and Asterios Gavriilidis., <i>Ind. Eng. Chem. Res.</i> , 2015, 54 (16), pp 4183–4189.		
2-	Solvent-free aerobic oxidation of alcohols using supported gold palladium nanoalloys prepared by a modified impregnation method. Moataz Morad, Meenakshisundaram Sankar, Enhong Cao, Ewa Nowicka, Peter J. Miedziak, David J. Morgan, David W. Knight, Donald Bethell, Asterios Gavriilidis, and Graham J. Hutchings. <i>Catal. Sci. Technol.</i> , 2014, 4, 3120-3128.		
3-	Base-free glucose oxidation using air with supported gold catalysts. Peter J. Miedziak, Hamed Alshammari, Simon A. Kondrat, Tomos J. Clarke, Thomas E. Davies, Moataz Morad, David J. Morgan, David J. Willock, David W. Knight, Stuart H. Taylor and Graham J. Hutchings. <i>Green Chem.</i> , 2014,16, 3132-3141.		
4-	Selective suppression of disproportionation reaction in solvent-less benzyl alcohol oxidation catalysed by supported Au–Pd nanoparticles. Enhong Cao, Meenakshisundaram Sankar, Ewa Nowicka, Qian He, Moataz Morad, Peter J. Miedziak, Stuart H. Taylor, David W. Knight, Donald Bethell, Christopher J. Kiely, Asterios Gavriilidis and Graham J. Hutchings. <i>Catalysis Today</i> , 203, 2013, p 146– 152.		
5-	Biotemplated synthesis of catalytic Au–Pd nanoparticles. Simon R. Hall, Andrew M. Collins, Natalie J. Wood, Wataru Ogasawara, Moataz Morad, Peter J. Miedziak, Meenakshisundaram Sankar, David W. Knight and Graham J. Hutchings. <i>The Royal Society of Chemistry</i> , 2012, 2, 2217-2220.		
6-	Synthesis of Stable Ligand-free Gold–Palladium Nanoparticles Using a Simple Excess Anion Method. Meenakshisundaram Sankar, Qian He, Moataz Morad, James Pritchard, Simon J. Freakley, Jennifer K. Edwards, Stuart H. Taylor, David J. Morgan, Albert F. Carley, David W. Knight, Christopher J. Kiely, and Graham J. Hutchings. <i>ACS Nano</i> , 2012, 6 (8), p 6600–6613.		





Curriculum Vita				
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3925 Al Hamra	Makkah	24323-8430	KSA	
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E-mail (1)	razanona@koshak.net	E-mail (2)	rmsnari@uqu.edu.sa	
Academic Title	Assistant professor	Others Titles (Specify)		
Institute/University	Country	College/Directorate	Department	
Umm Alqura University	KSA	Science	Chemistry	
Nationality		Date of Birth		Country of Birth
Saudi		1975		Austria
Languages		Arabic	English	
Major field		Specialization field		
Chemistry		Physical Chemistry		
PhD Thesis Title				
Synchronization of Coupled and Periodically Forced Chemical Oscillators				
MSc Thesis Title				
E-management as an entry for developing the university libraries performance. Recommended for publication by the defense committee.				
Key words which describe your field	Nano technology and material	Surface Chemistry	Electrochemistry	Biomaterial
Qualifications				
Degree	Date awarded	Institute/University	Country	
B.Sc	1996	UQU	KSA	
M.Sc	2008	UQU	KSA	
Ph.D	2015	West Virginia University, WVU	USA	
Work Experience				



Date: From - To	Position	Institute/University	Country
2016 - up to date	Assistant Professor	Umm Al-Qura University	
2014 - 2016	Lecturer	Umm Al-Qura University	
Scientific Activity			
Some scientific research workshops			
Publications			
<ol style="list-style-type: none"> 1. Jan F. Totz, Razan Snari, Desmond Yengi, Mark R. Tinsley, Harald Engel, and Kenneth Showalter, Phase-lag synchronization in networks of coupled chemical oscillators, Phys. Rev. E 92, 022819, 2015. 2. "Desynchronization of stochastically synchronized chemical oscillators," Chaos 25, 123116 (2015). 			





Staff Members of Organic Chemistry





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Publications

Curriculum Vita			
Name	Saleh Abdel-Mgeed Ahmed Saleh		
P.O. Box	City	Postal Code	Country
	Makkah		KSA
Tel. No. (Office)	Telephone No. (Home)	Fax No.	Mobile No.
	02-5571967		0530436202
E-mail (1)	saahmed@uqu.edu.sa	E-mail (2)	Saleh_63@hotmail.com
Academic Title	Dr.	Others Titles (Specify)	Full Professor
Institute/University	Country	College/Directorate	Department
Umm Al-Qura	KSA	Faculty of Applied Science	Chemistry
Nationality	Date of Birth	Country of Birth	
Egypt	15/10/1968	Egypt	
Languages	English	German	French
Major field	Specialization field		
Chemistry	Photochromism and Photocatalysis		
PhD Thesis Title			
"Synthesis, Characterization and photophysical properties of photochromic di& Tetrahydroindolizenes"			
MSc Thesis Title			
"Study and synthesis of new heterocyclic compounds related to Theinopyrimidine derivatives"			
Key words which describe your field	Photochemistry	Photochromism	Photocatalysis
Qualifications			
Degree	Date awarded	Institute/University	Country
PhD	2000	Saarland-Assiut Universities	Germany
MSc	1996	Assiut University	Egypt
BSc	1988	Assiut University	Egypt
Work Experience			
Date: From - To	Position	Institute/University	Country



2010-now	Professor.	Umm Al-Qurra	KSA
2005-2010	Associated Prof.	Berlin- Assiut University	Egypt
2000-2005	Lecturer	Osaka- Assiut University	Egypt
1996-2000	Ass. Lecturer	Saarland- Assiut University	Egypt
1991-1996	Demonstrator	Assiut University	Egypt

Current Research Interests

Publications

1. Kinetics and Mechanistic Approach to the Chromic Acid Oxidative Degradation of Atropine Drug in Perchlorate Solutions and the Effect of Ruthenium(III) Catalyst
Ahmed Fawzy, Ishaq A. Zaafarany, Rabab J. Jassas, Rami J. Obaid, **Saleh A. Ahmed**
Modern Chemistry & Applications, In press, 2016
2. Kinetics and Mechanism of Electron Transfer to Manganese(VII) by Fluorene and Its Halogenated Derivatives in Neutral Organic Medium
Ahmed Fawzy, Rabab J. Jassas, **Saleh A. Ahmed**, Rami J. Obaid, Ishaq A. Zaafarany
Modern Chemistry, 4(4): 38-44, 2016
3. A Comparative Kinetic and Mechanistic Study on the Oxidation Behavior of Halogenated Fluorenes by Permanganate in Alkaline Medium.
Ahmed Fawzy, Rabab J. Jassas, Ismail I. Althagafi, **Saleh A. Ahmed**, Hatem M. Altass
Science Journal of Chemistry, 4(6), 69-78, 2016
4. Allosteric Inhibitory Molecular Recognition of a Photochromic Dye by a Digestive Enzyme: Dihydroindolizine makes α -chymotrypsin Photo-responsive
Damayanti Bagchi, Abhijit Ghosh, Priya Singh, Shreyasi Dutta, Nabarun Polley, Ismail. I. Althagafi, Rabab S. Jassas, **Saleh A. Ahmed**, Samir Kumar Pal
Scientific Reports (Nature), 6:34399, 1-11, 2016.
5. Kinetics and Mechanism of Oxidation of Fluorenone Hydrazone by Permanganate Ion in Different Acidic Media.
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(<http://dx.doi.org/10.1155/2016/4526578>)
8. Heterodimerization at the Dye Sensitized TiO₂ Surface: An Efficient Strategy toward Quick Removal of Water Contaminants
Zaki S. Seddigi, **Saleh A. Ahmed**, Samim Sardar, Samir Kumar Pal



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9. Photochromism of dihydroindolizines Part XIX. Efficient one-pot solid state synthesis, kinetic and computational studies based on dihydroindolizine photochromes

Saleh A. Ahmed, Nizar El Guesmi, Basim H. Asghar, François Maurel, Ismail I. Althagafi, Khalid S. Khairou, Hussni A. Muathen

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Saleh A. Ahmed, Ismail I. Althagafi, Basim H. Asghar, Khalid S. Khairou, Hussni A. Muathen

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11. Facile synthesis and catalytic performance of nanosheet – nanorod $\text{g-C}_3\text{N}_4\text{-Bi}_2\text{WO}_6$ heterojunction catalyst and effect of silver nanoparticles loading on bare Bi_2WO_6 and $\text{g-C}_3\text{N}_4\text{-Bi}_2\text{WO}_6$ for N-deethylation process.

Z.S. Seddigi, M.A. Gondal, S.G. Rashid, M.A. Abdulaziz, **S.A. Ahmed**

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Badria A. AL Jahdaly, Ismail I. Althagafi, Metwally. Abdallah, Khalid S. Khairou, **Saleh A. Ahmed**

Journal of Materials and Environmental Science 7 (5), 1798-1809, 2016.

13. Carbonate Doping in TiO_2 Microsphere: The Key Parameter Influencing Others for Efficient Dye Sensitized Solar Cell

Zaki S. Seddigi, **Saleh A. Ahmed**, Samim Sardar, Samir Kumar Pal

Scientific Reports (Nature), 6:23209,1-9, 2016.

14. Photocatalytic Degradation of Tert-Butyl Alcohol and Tert-Butyl Formate Using Palladium-Doped Zinc Oxide Nanoparticles with UV- Irradiation

Zaki S. Seddigi, **Saleh A. Ahmed**, Ali Bumajdad, Mohammed A. Gonadal, Ekram Y. Danish, Ahmed M. Shawky, Naeema H. Yarkandi

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15. Mesoporous metal(IV) phosphates as high performance acid catalysts for the synthesis of photochromic bis-naphthopyran via Claisen rearrangement

Abd El Rahman S. Khder, **Saleh A. Ahmed**, Hatem M. Altass,

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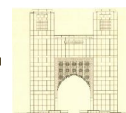
16. Utility of octadecyl amine in the synthesis of various nitrogen heterocycles: A preliminary investigation on their surface and biological activities

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18. Synthesis, Spectral Characteristics and DFT Studies of the New Dye 2,7-diacetyl-9-((dimethylamino)methylene)-9H-fluorene (DMMF) in Different Solvents
Abdullah M. Asiri, **Saleh A. Ahmed**, Samy A. El-Daly, Mahmoud A. Hussein, Amerah M. Al-Solimy, Osman I. Osman, Mohamed R. Shaaban, Ismail I. Althagafi
***Journal of Fluorescence*, 25(5),1303-1314, 2015.**
19. Ultrafast dynamics at the zinc phthalocyanine/zinc oxide nanohybrid interface for efficient solar light harvesting in the near red region
Zaki S. Seddigi, **Saleh A. Ahmed**, Samim Sardar, Samir Kumar Pal
***Solar Energy Materials and Solar Cells*, 143, 63-71, 2015.**
20. The efficient photocatalytic degradation of methyl *tert*-butyl ether under Pd/ZnO and visible light irradiation
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***Photochemistry and Photobiology*, 91, 265-271, 2015.**
21. Pd-doped β -Bi₂O₃/Bi₂Sn₂O₇ Hybrid Nanocomposites for Photocatalytic Fluorene Oxidation: A green Approach for the Synthesis of Fluorenone/Fluoreneol Mixture
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***Microporous and Mesoporous Materials*, 204, 62-72, 2015.**
22. Use of quadrupole time of flight mass spectrometry for the characterization of transformation products of the antibiotic sulfamethazine upon photocatalysis with Pd doped ceria-ZnO nanocomposite
S. Rafqah, Zaki S. Seddigi, **Saleh A. Ahmed**, E.Danish and M. Sarakha
***Journal of Mass Spectrometry*, 50(2), 298-307, 2015.**
23. **Carbon nanotube/Titanium nanotube Composites Loaded Platinum Nano-particles as High Performance Photocatalysts**
Mohamed M. Ibrahim, **Saleh A. Ahmed**, Khalid S. Khairou, Mohamed Mokhtar Mohamed
***Applied Catalysis A: General*, 475, 90-97, 2014.**
24. Synthesis and photophysical properties of photochromic indolyfulgimide linker conjugate with a terminal ethylene anchoring group through palladium-catalyzed Negishi reaction
Saleh A. Ahmed, Christine Schulz, Shaya Y. Al-Raqa, Ziad Moussa, Abdulrahman A. Al-Simaree, and Karola Rück-Braun
Tetrahedron Letters, in press, 2014(Paper ID:TETL-D-12-00073)
25. Photolysis of Some N-Arylbenzamidoximes Part I. An Efficient and Clean Approach for the synthesis of Anilide, Benzimidazole and Benzoxazole Derivatives
Saleh A. Ahmed, Abd El-Aal M. Gaber, Khalid S. Khairou, Hussni A. Muathen, Layla A. Taib
***Tetrahedron Letters*, In press, TETL-D-13-00072, 2014**
26. The Effect of Loading of Zinc Oxide with Palladium on the Photocatalytic Degradation of Methyl *tert*-Butyl Ether (MTBE) in Water
Zaki S. Seddigi, **Saleh A. Ahmed**, Shahid P. Ansari, Naeema H. Yarkandi, Ekram Danish, Abdullah Abu Alkibash, Shakeel Ahmed
***Photochemistry and Photobiology*, In press, 2014.**
27. Photocatalytic Degradation of Methyl *tert*-Butyl Ether (MTBE) in the Presence of Visible Light
Zaki S.



Seddigi, **Saleh A. Ahmed**, Shahid P. Ansari, Naeema H. Yarkandi, Ekram Danish, Abdullah Abu Alkibash, and Shakeel Ahmed

Journal of Photochemistry and Photobiology, In press, 2014.

28. Photocatalytic Degradation of Methyl *tert*-Butyl Ether (MTBE): A Review Zaki S. Seddigi, **Saleh A. Ahmed**, , Shahid P. Ansari, Naeema Yarkandi, Ekram Danish, M. Oteef, M. Cohelan, Shakeel Ahmed, Abdullah Abu Alkibash ***Advances in Environmental Research, in press, 2014***
29. Unprecedented High photocatalytic Activity of Nanocrystalline WO₃/NiWO₄ Hetero-junction Towards Dye Degradation: Effect of Template and Synthesis Conditions Mohamed Mokhtar Mohamed, **Saleh A. Ahmed**, Khalid S. Khairou
Applied Catalysis B: Environmental, 150-151, 63-73, 2014.
30. Preparation and characterization of Pd doped ceria-ZnO nanocomposite catalyst for methyl *tert*-butyl ether (MTBE) photodegradation Zaki S. Seddigi, Ali Bumajdad, Shahid P. Ansari, **Saleh A. Ahmed**, Ekram Danish, Naeema H. Yarkandi and Shakeel Ahmed ***Journal of Hazardous Materials, 264, 71-80, 2014.***
31. **Formation of Carboxy- and Amide-Terminated Alkyl Monolayers on Silicon(111) Investigated by ATR-FTIR, XPS, and X-ray Scattering: Construction of Photoswitchable Surfaces** Karola Rück-Braun, Michael Åxman Petersen, Fabian Michalik, Andreas Hebert, Daniel Przyrembel, Christopher Weber, Saleh A. Ahmed, Stefan Kowarik, and Martin Weinelt
Langmuir, 29 (37), 11758–11769, 2013
32. Kinetics and Photodegradation Study of Aqueous Methyl *tert*-Butyl Ether Using Zinc Oxide: The Effect of Particle Size
Zaki S. Seddigi, **Saleh A. Ahmed**, Shahid P. Ansari, Ekram Danish, Abdullah Abu Alkibash, and Shakeel Ahmed
International Journal of Photoenergy, Volume 2013, Article ID 206129, 7 pages, 2013.
33. Photochromism of dihydroindolizines. Part XVIII: Palladium-catalyzed Negishi coupling for the synthesis of photochromic dihydro 5-azaindolizines- linker-conjugates with terminal ethylene anchoring group **Saleh A. Ahmed**, Khalid S. Khairou, Aboel-Magd A. Abdel-Wahab, Zeinab A. Hozien, Heinz Dürr ***Tetrahedron Letters, 53(33), 4397-4401, 2012***
34. Ag – Doped TiO₂ Photocatalytic Oxidation of 1,2- Cyclohexanediol Aboel-Magd A. Abdel-Wahab, Omima S. Mohamed, **Saleh A. Ahmed**, Mostafa F. Mostafa ***Journal of Physical Organic Chemistry, 25, 1418-1421, 2012.***
35. Synthesis, electrochemical, and photophysical studies of hexadecachlorinated phthalocyaninato zinc(II) Shaya Y. Al-Raqa, Mouslim Messali, Saleem Al-Refae, Badr S. Ghanem, Ziad Moussa, **Saleh Ahmed**, Mohamed E. El-Khouly, Shunichi Fukuzumi ***Dyes & Pigments, 91 (2), 231-236, 2011.***
36. Synthesis of 1,5-Substituted Anthracenes by Means of Kumada Coupling and their Derivatization Sebastian Bringmann, **Saleh A. Ahmed**, Ramona Hartmann and Jochen Mattay
Synthesis, 14, 2291-2296, 2011.
37. Photochromism of dihydroindolizines part XVII: Tuning of the photophysical behavior of photochromic dihydroindolizines in solution and in polymeric thin film **Saleh A. Ahmed**, Shaya Y. Al-Raqa, Ziad Moussa, **Zeinab A. Hozien, Aboel-Magd A. Abdel-Wahab, Khairy M. Hassan**, Abdulrahman , A. Al-Simaree, Saleh N. Al-Amri, Ahmed S. Soliman and Heinz Dürr
Tetrahedron, 67(37), 7173-7184, 2011.
38. A green microwave-assisted synthesis of new pyridazinium-based ionic liquids as an environmentally friendly



alternative

Mousslim Messali, **Saleh A. Ahmed** *Green and Sustainable Chemistry*, **1**, 70-75, 2011.

39. Electroanalytical studies of pyridinium-based ionic liquids and its determination in different detergents
Ali F. Al-Gamdi, Mouslem Messali and **Saleh A. Ahmed** *Journal of Materials & Environmental Science*, **2**(3). 215-224, 2011
40. Photochromism of dihydroindolizines part XIV. Synthesis and photophysical behavior of photochromic dihydroindolizinetripodal-linkers towards anchoring sensitizers to semiconductor nonoparticles. **Saleh A. Ahmed and Shaya Y. Al-Raqa** *Journal of Physical Organic Chemistry*, **24**, 173-184, 2011.
41. Synthesis, spectroscopic characterization and antimicrobial activity of mono-, bi- and tri-nuclear metal complexes of a new Schiff base ligand Magdy Shebl, Saied M.E. Khalil, **Saleh A. Ahmed**, Hesham A.A. Medien *Journal of Molecular Structure*, **980**(1-3), 39-50, 2010.
42. NMR studies and electrophilic properties of triphenylphosphine –trifluoromethanesulfonic anhydride; a remarkable dehydrating reagent system for the conversion of aldoximes into nitriles Ziad Moussa, **Saleh A. Ahmed**, Ahmad S. ElDouhaibi and Shaya Y. Al Raqa *Tetrahedron Letters*, **51**(14), 1826-1831, 2010.
43. Photochromism of dihydroindolizines Part XVI: First attempts toward molecular wires comprising photochromic dihydro 5-azaindolizines and π -extended ethynyl and butadiynyl oxadiazole derivatives **Saleh A. Ahmed and Shaya Y. Al-Raqa**
Tetrahedron Letters, **51**(4), 730-733, 2010.
44. Photochromism of dihydroindolizines part XV. First attempts towards solar cells applications: synthesis and photophysical properties of new photochromic dihydroindolizines bearing a conjugated aryleneethynylene-tripodal linker system **Saleh A. Ahmed and Shaya Y. Al-Raqa** *Monatshefte für Chemie*, **141**(3), 357-372, 2010.
45. Efficient preparation of photoswitchable dithienylethene-linker-conjugates by palladium-catalyzed coupling reactions of terminal alkynes with thienyl chlorides and other aryl halides Marc Zastrow, Sujatha Tharagyan, **Saleh A. Ahmed**, Paul Haase, Sabine Seedorff, Dmitri Gelman, Elena Galoppini and Karola Rück-Braun *Chemistry - An Asian Journal*, **5**, 1202 – 1212, 2010.
46. Photochemistry with thermal versus optical excess energy: Ultrafast cycloreversion of indolylfulgides and indolylfulgimides
Thomas Brust, Stephan Malkmus, Simone Draxler, **Saleh A. Ahmed**, Karola Rück-Braun, Wolfgang Zinth, Markus Braun
Journal of Photochemistry and Photobiology A: Chemistry **2-3** (207) 209–216, 2009.
47. Synthesis of novel photochromic pyrans via palladium-mediated reactions Christoph Bottcher, Gehad Zeyat, **Saleh A. Ahmed**, Elisabeth Irran, Thorben Cordes, Cord Elsner, Wolfgang Zinth, Karola Rück-Braun *Beilstein Journal of Organic Chemistry*, **5** (25), 1-7, 2009.
48. **Photochromism of Dihydroindolizines Part XIII. Photoinduced Ring-Opening of Photochromic Dihydroindolizine Derivative Monitored with Femtosecond visible and Infrared Spectroscopy.** Omer F. Mohamed, **Saleh A. Ahmed**, Eric Vauthey and Eric J. Nibbering *Journal of Physical Chemistry (A)*, **113** (17), 5061–5065, 2009.
49. Sensitive Detection of a Pseudo-polyrotaxane Ultrathin Film by SPR and QCM-D Methods Keiko Tawa, Norihito Kuboyama, **Saleh A. Ahmed**, Mutsuo Tanaka, Takahiko Nakao *Sensors and Actuators B: Chemical*, **138**(1), 126-133, 2009.
50. **Photochromism of dihydroindolizines part XII: synthesis and photochromism of novel π -conjugated rigid photochromic dihydroindolizines- based potential molecular electronic**



devices. *Saleh A. Ahmed Tetrahedron*, 65, 1373-1788, 2009.

51. **Photochromism of Dihydroindolizines. Part X. Photo-responsive self-assembling organogelators based on photochromic dihydroindolizines and 11-aminoundecanoic acid (AUDA)** *Saleh A. Ahmed, Ziad Moussa, Shaya Y. Al-Raqa, Saleh N. Alamry Journal of Physical Organic Chemistry*, 22, 593-606, 2009.
52. **Photochromism of dihydroindolizines part XI: synthesis of novel carbon-rich photochromic dihydroindolizines- based potential electronic devices.** *Saleh A. Ahmed Research Letters in Organic Chemistry (Changed to: Organic Chemistry International)*, Volume 2008, Article ID 959372, 5 pages, 2008.
53. **Spectral studies of highly optically transparent polyblends of poly (*o*-toluidine) doped with salicylidene-*o*-aminophenol.**
Seddique .M. Ahmed, **Saleh .A. Ahmed** *Scientific Research and Essays*, 299-307, 2008.
54. **Nanoparticles TiO₂ – Photocatalized Oxidation of Selected Cyclohexyl Alcohols.** **Omima S. Mohamed, Saleh A. Ahmed, Mostafa F. Mostafa and Aboel-Magd A. Abdel-Wahab** *Journal of Photochemistry and Photobiology*, 200, 209-215, 2008.
55. **TiO₂ Nanoparticles-Photocatalytic Oxydation of Selected Cycloalkanols** **Omima S. Mohamed, Saleh A. Ahmed, Mostafa F. Mostafa and Aboel- Magd Abdel- Wahab** *International Journal of Photoenergy*, Vol 2008, 1-11, 2008.
56. **Photochromism of dihydroindolizines Part IX. First attempts towards efficient self-assembling organogelators based on photochromic dihydroindolizines and N-acyl- ω -amino acid units.** *Saleh A. Ahmed and Jean-Luc Pozzo Journal of Photochemistry and Photobiology*, 200, 57-67, 2008
57. **Photochromism of dihydroindolizines: Part VIII. First holographic image recording based on di- & tetrahydroindolizines photochromes** *Saleh A. Ahmed, Thomas Hartmann and Heinz Dürr Journal of Photochemistry and Photobiology*, 200, 50-56, 2008.
58. **Oxidative polymerization studies of 8-hydroxyquinoline in different media** *Seddique M. Ahmed and Saleh .A. Ahmed Polish Journal of Chemistry*, 81, 2195–2205, 2007.
59. **Multi-addressable supramolecular gels based on linear amino acid and bithienylcyclopentene** *Guillaume Sevez, Jiaan Gan, Jianfeng Pan, Xavier Sallenave, Annie Colin, Hassan Saadoui, Ahmed A. Saleh, Fritz Vögtle and Jean-Luc Pozzo Journal of Physical Organic Chemistry*, 20, 888-893, 2007.
60. **Photochromism of dihydroindolizines Part VII: Multiaddressable photophysical properties of novel photochromic dihydroindolizines bearing substituted benzo[i]phenanthridine as a fluorescing moiety** *Saleh A. Ahmed Journal of Physical Organic Chemistry*, 20, 574-588, 2007.
61. **Synthesis of oligo(ethylene glycol) toward 44 mer** *Saleh A. Ahmed and Mutsuo Tanaka Journal of Organic Chemistry* 71(26), 9884-9886, 2006.
62. **Photochromism of dihydroindolizines Part VI: synthesis and photochromic behavior of a novel type of IR-absorbing photochromic compounds based on a highly conjugated dihydroindolizines** *Saleh A. Ahmed Journal of Physical Organic Chemistry*, 19, 402-414, 2006.
63. **Polyrotaxane-film formation observed by surface plasmon spectroscopy** *Keiko Tawa, Norihito Kuboyama, Ahmed A. Saleh and Mutsuo Tanaka Transactions of the Material Research Society of Japan*, 30(3), 691-694, 2005.
64. **Crowned dendron: ion-responsive flexibility of Macromolecules induced by integrated crown ether**



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Yongsheng Tan, **Saleh A. Ahmed**, Heinz Dürr, Volker Huch and Aboel-Magd A. Abdel-Wahab. *Chemical Communications*, 14, 1246-1247, 2001.
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Publications

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Chemistry		Sciences		KSA		Umm Al-Qura University	
Country of Birth		Date of Birth		Nationality			
Egypt		10 Jan 1971		Egypt			
Specialization field				Major field			
Organic Chemistry				Chemistry			
Green synthesis		Organometallic		Electroorganic Synthesis		Key words which describe your field	
Qualifications							
Country		Institute/University		Date awarded		Degree	
Japan		Tokyo Institute of Technology		2001		Ph.D.	
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Egypt	Cairo University of	1992	BS
Work Experience			
Country	Institute/University	Position	Date: From - To
Saudi Arabia	Umm Al-Qura University.	Associate Professor	Sept 2009 –till now
Egypt	Cairo University	Lecturer	Jan 2002-March 2009
Egypt	Cairo University	Assistant Lecturer	Jan 1997-Jan 2002
Egypt	Cairo University	Instructor	Jan 1993-Jan 1997
Current Research Interests			
Organic Synthesis, Organometallic Chemistry, Electroorganic synthesis			
Selected Publications			
<ol style="list-style-type: none"> 1. Synthesis and Characterization of Novel Thieno-Fused Bicyclic Compounds through New EnaminoneContaining Thieno[2,3-b]pyridine Scaffold, Yahia NasserMabkhot, Salah S. Aladdi, S. S. Al-Showiman, A. M. A. Al-Majid, Assem Barakat, Hazem A. Ghabbour, and Mohamed R. Shaaban, Journal of Chemistry, Volume 2015, Article ID 382381, http://dx.doi.org/10.1155/2015/382381 2. Synthesis of heterocycles and fused heterocycles catalyzed by nanomaterials, Ahmed H. M. Elwahy and Mohamed R. Shaaban, <i>RSC Adv.</i>, 2015, 5, 75659–75710 3. Regioselective Synthesis and <i>ab initio</i> Calculations of Fused Heterocycles Thermally and under Microwave Irradiation, Mostafa E. Salem, Ashour A. Ahmed, Mohamed .R. Shaaban, Ahmad. M. Farag, Mohamed F. Shibl, <i>Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy</i> 148 (2015) 175–183 4. New formamidine ligands and their mixed ligand palladium(II) oxalate complexes: Synthesis, characterization, DFT calculations and in vitro cytotoxicity, Ahmed A. Soliman, Othman I. Alajrawy, Fawzy A. Attabi , Mohamed R. Shaaban , W. Linert, <i>Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy</i> 152 (2016) 358–369 5. Synthesis, Spectral Characteristics and DFT Studies of the New Dye 2,7-diacetyl-9-((dimethylamino)methylene)-9H-fluorene (DMMF) in Different Solvents, Abdullah M. Asiri, Saleh A. Ahmed, Samy A. El-Daly, Mahmoud A. Hussein, Amerah M. Al-Soliemy, Osman I. Osman, Mohamed R. Shaaban, Ismail I. Althagafi, <i>J. Fluoresce.</i>, DOI 10.1007/s10895-015-1618-x 6. Chemistry and Biological Activity of Pyridotriazolopyrimidines, Thoraya A. Farghaly, Kamal M. Dawood and Mohamed R. Shaaban, <i>Current Organic Synthesis</i>, 2015, 12, In press 7. Synthesis of Pyrido-, Pyrimido-Fused Heterocycles by Multi-Component Reactions (Part 3) Mohamed R. Shaaban, Ahmed H. M. Elwahy <i>Current Organic Synthesis</i>, 2014, 11, 835-873 8. Synthesis of Oxazolo-, Thiazolo-, Pyrazolo-, and Imidazo-Fused Heterocycles by Multi-Component Reactions (Part 2) Mohamed R. Shaaban, Ahmed H. M. Elwahy <i>Current Organic Synthesis</i>, 2014, 11, 471-525 9. Bis(α-bromo ketones): Versatile Precursors for Novel Bis(s-triazolo[3,4-<i>b</i>] [1,3,4]thiadiazines) and Bis(thiazoles), Ahmed R. S. Ginidi, Mohamed R. Shaaban, Ahmad M. Farag and Ahmed H. M. Elwahy, J. Heterocyclic Chem., 			





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Ahmed F. Darweesh, **Mohamed R. Shaaban**, Ahmad M. Farag, Peter Metz, Kamal M. Dawood, **SYNTHESIS**, **2010**, No. 18, pp 3163–3173.
24. Mizoroki-Heck cross-couplings of 2-acetyl-5-bromobenzofuran and aryl halides under microwave irradiation.
Mohamed R. Shaaban, Ahmed F. Darweesh, Kamal M. Dawood and Ahmad M. Farag, **ARKIVOC**, **2010** (x) 208-225.
25. A convenient synthesis of pyrazole-substituted heterocycles.
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Mohamed R. Shaaban, Heterocycles, 2008, 75, 12, 3005.
38. Synthesis of Novel Pyrazolo[3,4-d]pyridazine, Pyrido[1,2-a]benzimidazole, Pyrimido[1,2-a]benzimidazole and Triazolo[4,3-a]Pyrimidine Derivatives.
Mohamed R. Shaaban, Taha M. A. Eldebss, Ahmed F. Darweesh, and Ahmad M. Farag, Journal of Heterocyclic Chemistry, 2008, 45, 1739.
39. Synthesis and analgesic/anti-inflammatory evaluation of fused heterocyclic ring systems incorporating phenylsulfonyl moiety.
Mohamed R. Shaaban, Tamer S. Saleh, Abdelrahman S. Mayhoub, Ahmed Mansour and Ahmad M. Farag, Bioorganic & Medicinal Chemistry. 2008, 16, 6344.
40. Synthesis and antimicrobial evaluation of novel pyrazolo[1,5-a]pyrimidine, triazolo[1,5-a]pyrimidine and pyrimido[1,2-a]benzimidazole derivatives. **Mohamed R. Shaaban, Tamer S. Saleh; Ahmad M. Farag, Heterocycles, 2007, 71, 8.**
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44. Electrolytic partial fluorination of organic compounds. 42. marked solvent effects on regioselective anodic monofluorination of 4-Oxo-2-pyrimidyl sulfides.
Mohamed R. Shaaban, Hediki Ishii, and Toshio Fuchigami, Journal of Organic Chemistry, 2000, 65, 8685-8689.
45. Electrolytic partial fluorination of organic compounds. 42. Highly regioselective anodic monofluorination of 2-thiadiazolyl, 2-oxadiazolyl, and 2-triazolyl sulfides.
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E. Kandeel, Ahmad M. Farag, **Mohamed R. Shaaban**, and Mohamed H. Elnagdi, **Heteroatom Chemistry, 1996, 7, 1, 35-38.**





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Publications

Curriculum Vita

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Umm Al-Qura University		Saudi Arabia		Faculty of Applied Science		Chemistry	
Nationality			Date of Birth			Country of Birth	
Saudi			1978			Saudi Arabia	
Languages			Arabic		English		
Major field			Specialization field				
Organic chemistry			Physical organic chemistry				
PhD Thesis Title							
Some Studies of the Reactions of Aromatic Nitro-Compounds with Nitrogen and Carbon Nucleophiles							
MSc Thesis Title							
Key words which describe your field		Kinetic		Reaction Mechanism		Organic reactions	
Qualifications							
Degree		Date awarded		Institute/University		Country	
Bsc.		2000		Umm Al-Qura University		Saudi Arabia	
phD.		2006		Durham University		U.K	



Work Experience

Date: From - To	Position	Institute/University	Country
2006-2010	Assistant Prof.	Umm Al-Qura University	Saudi Arabia
2010-2015	Associate Prof.	Umm Al-Qura University	Saudi Arabia
2015 until now	Prof.	Umm Al-Qura University	Saudi Arabia

Scientific Activity

- 1- External examiner of many M. Sc. and PhD. students in Saudi Arabia Universities.
- 2- Referee of scientific projects and articles.
- 3- Membership in scientific societies of chemistry.
- 4- Attendance and participate in many chemistry conferences.
- 5- Research projects grants obtained from Umm Al-Qura University and other institutions.
- 6- Attendance of many workshops and training programs related to education and developments.
- 7- Participate in the training programs of secondary school students as community service.

Publications

- 1- B. H. M. Asghar** and M. R. Crampton, *Org. Biomol. Chem.*, 2005, **3**, 3971.
Rate-limiting Proton-transfer in the σ -Adduct Forming Reactions of 1,3,5-Trinitrobenzene and 4-Nitrobenzofuroxan with Substituted Anilines in Dimethyl Sulfoxide.
- 2- B. H. M. Asghar** and M. R. Crampton, *Org. Biomol. Chem.*, 2007, **5**, 1646.
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- 3- B. H. M. Asghar** and M. R. Crampton, *J. Phys. Org. Chem.* 2007, **20**, 702.
Carbanion reactivity; studies of σ -adduct formation from benzyltriflone anions and 4-nitrobenzofurazan derivatives.
- 4-B.H.M. Asghar**, M.R. Crampton and C. Isanbor, *Can. J. Chem.*, 2008, **86**, 225.
Carbanion Reactivity; σ -Adduct Formation and Elimination in the Reactions of the Carbanion from Bis(phenylsulfonyl)methane with 4-Nitrobenzofurazan Derivatives.
- 5-Basim H. Asghar**, *Monatsh. Chem.*, 2008, **139**, 1191.
Steric hindrance as a key factor on proton transfer in the σ -adduct forming reactions of *o*-substituted anilines with 1,3,5-trinitrobenzene in dimethylsulfoxide.
- 6-Basim H. Asghar**, *Int. J. Chem. Kinet.*, 2008, **41**, 198.
The reaction of 2-phenoxy-3,5-dinitropyridine with substituted anilines in the presence of 1,4-diazabicyclo[2.2.2]octane in dimethyl sulfoxide: Kinetic and equilibrium studies.
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Study of Kinetics, Equilibrium and the Influence of Steric Effects on Proton-Transfer in the Reactions of 2, 2, 4- and 2, 6-Substituted Anilines with 2-Phenoxy-3,5-dinitropyridine in DMSO

11- Basim H. Asghar, *Journal of Saudi Chemical Society*, 2010, 14, 261.

¹H NMR and kinetics studies of the reaction of 4-methyl, 4-bromo and 3-trifluoromethyl benzyltriflones with aromatic nitro-comp

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Kinetics and mechanism of permanganate oxidation of iota- and lambda-carrageenan polysaccharides as sulfated carbohydrates in acid perchlorate solutions

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Kinetic Studies of Reactions of 4-Nitrobenzofuroxan with Carbanions Derived from Benzyltriflones in Methanol

14- M. Abdallah, Basim H. Asghar, I. Zaaferany¹, A.S.Fouda, *Int. J. Electrochem. Sci.*, 2012, 7, 282.

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SYNTHESIS, CHARACTERIZATION AND SPECTROSCOPIC INVESTIGATION OF PYRAZINOPORPHYRAZINE NETWORK P
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Publications

Curriculum Vita

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Academic Title	Professor of Organic Chemistry	Others Titles (Specify)		
Institute/University	Country	College/Directorate	Department	
Umm Al-Qura University	Saudi Arabia	Applied Science	Chemistry	
Nationality	Date of Birth	Country of Birth		
Egyptian	15-1-1974	Egypt		
Languages	Arabic	English		
Major field	Specialization field			
Chemistry	Organic			
PhD Thesis Title				
New Trends in chemistry of precursors of nitrilimines and azo derivative.				
MSc Thesis Title				
Tandem in <i>situ</i> synthesis and rearrangement of certain hydrazone esters.				
Key words which describe your field	Synthesis of heterocyclic ring systems	Synthesis of bioactive compounds	Study reaction Mechanisms	Synthesis of compounds under green chemistry conditions
Qualifications				
Degree	Date awarded	Institute/University	Country	
B.Sc.	1996	Cairo University	Egypt	
M.Sc	2003	Cairo University	Egypt	
Ph.D	2005	Cairo University	Egypt	





Work Experience			
Date: From - To	Position	Institute/University	Country
1997-2003	Demonstrator	Cairo University	Egypt
2003-2005	Assistant Lecturer	Cairo University	Egypt
2005-2010	Lecturer of Organic Chemistry	Cairo University	Egypt
2010-2015	Assistant Professor of Organic Chemistry	Cairo University	Egypt
2015	Professor of Organic Chemistry	Cairo University	Egypt
2015-2016	Associate Professor in Organic Chemistry	Umm Al-Qura University	Saudi Arabia
2016 - till now	Professor in Organic Chemistry	Umm Al-Qura University	Saudi Arabia
Scientific Activity			
Publications			
<p>1- "A Facile one-pot regioselective synthesis of [1,2,4]triazolo[4,3-<i>a</i>]-5(1<i>H</i>)-pyrimidinones <i>via</i> tandem Japp-Klingemann, Smiles rearrangement, and cyclization reactions" <i>Heteroatom Chem.</i>, 2002, <i>13</i>(2), 136-140. Ahmad Sami Shawali, Magda A. Abdalla, Mosselhi A. N. Mosselhi and Thoraya A. Farghaly</p> <p>2- "Novel pentaheterocycles. First general synthesis entry to functionalized derivatives of pyrido[2,3-<i>f</i>:6,5-<i>f'</i>]di-[1,2,4]triazolo[4,3-<i>a</i>]pyrimidin-5(1<i>H</i>)-diones" <i>Monatsch. Chem.</i>, 2004, <i>135</i>, 211-222. Mosselhi A. N. Mosselhi, Magda A. Abdalla, Thoraya A. Farghaly and Ahmad Sami Shawali,</p> <p>3- "Synthesis and tautomeric structure of 2-[<i>N</i>-aryl-2-oxo-2-arylethane hydrazonoyl]-6-methyl-4(3<i>H</i>)-pyrimidinones" <i>Tetrahedron</i>, 2004, <i>60</i>, 3051-3057. Ahmad Sami Shawali and Thoraya A. Farghaly</p> <p>4- "Synthesis and biological activity of new 1<i>H</i>-pyrazolo[3,4-<i>b</i>]quinoxalines (Flavazoles) " <i>J. Heterocycli. Chem.</i>, 2005, <i>42</i>, 185-189. Ahmad Sami Shawali, Mohie M. Zayed and Thoraya A. Farghaly</p> <p>5- "Site selectivity in reactions of hydrazonoyl halides with 2-amino-3-quinoxalinethiol: A new general access to functionalized 4<i>H</i>-1,3,4-thiadiazino-[5,6-<i>b</i>]quinoxalines" <i>Phosphorus, Sulfur & Silicon</i>, 2005, <i>180</i>, 2391-2402.</p>			



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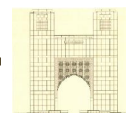
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Thoraya A. Farghaly and Eman M.H. Abbas





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Thoraya A. Farghaly, Sobhi M. Gomha, Mohamed M. Abdalla

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Eman M. H. Abbas, Sobhi M. Gomha and **Thoraya A. Farghaly**

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Ahmad Sami Shawali, **Thoraya A. Farghaly**, Mohamed. R. Shehata and Shadia M. Hussein

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Asma M. Mahran, **Thoraya A. Farghaly**, Afaf A. Nada

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Thoraya A. Farghaly, Kamal M. Dawood and Mohamed R. Shaaban

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Thoraya A. Farghaly, Magda A. Abdallah, Ghada S. Masaret and Zeinab A. Muhammad

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Thoraya A. Farghaly, Magda A. Abdallah and Zienab A. Muhammad

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Heterocycles, **2015**, 91, 1399-1416

Magda I. Marzouk, **Thoraya A. Farghaly**, Maher A. El-Hashash, Soheir A. Shaker, and Shadia M. Hussein

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Journal of Heterocyclic Chemistry, **2015**, 52, 1154-1161

Huwaida M. E. Hassaneen, **Thoraya A. Farghaly**

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Turkish Journal of Chemistry, **2015**, 39, 955-969

Thoraya A. Farghaly, Magda A. Abdallah and Huda K. Mahmoud

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Arch. Pharm. Chem. Life Sci. **2015**, 875-888

Dina H. Dawood, Rasha Z. Batran, **Thoraya A. Farghaly**, Mohammed A. Khedr, Mohamed M. Abdulla

66- 2,7-Diarylidene-cycloheptanone, Hydrazonoyl Chlorides and Heterocyclic Amines as Precursors for Synthesis of Bioactive new Fused Cycloheptapyrimidine Derivatives

Current Organic Synthesis, **2016**, 13(2), 291-299

Thoraya A. Farghaly, Magda A. Abdallah and Zeinab A. Muhammad

67- Synthesis and Characterization of Bisimidazoles, Bistriazoles, Bisthiadiazoles, and Bisthiazoles from Novel Bishydrazonoyl Dichlorides

Journal of Heterocyclic Chemistry, **2016**, 53, 255-262

Abdelwahed R. Sayed, Sobhi M. Gomha and **Thoraya A. Farghaly**

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Thoraya A. Farghaly, Sobhi M. Gomha, Kamal M. Dawood and Mohamed R. Shaaban

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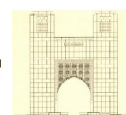
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Ahmad Sami Shawali, **Thoraya A. Farghaly** and Tarek M.S. Nawar

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Thoraya A. Farghaly, Sobhi M. Gomha, Abdelwahed R. Sayed and Mohammed A. Khedr



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Current Organic Synthesis, **2016**, *13(3)*, 456 – 465

Eman M. H. Abbas, Sobhi M. Gomha, **Thoraya A. Farghaly** and Mohamed M. Abdalla

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J. Chem. Res., **2016**, 467–470

Thoraya A. Farghaly, Sobhi M. Gomha, Eman K. Mousa and Mahmoud Elaasser

73- Synthesis of pyrazolyl-pyrazoles and pyrazolyl-[1,2,4]-triazolo[3,4-*d*][1,5]benzothiazepines as p53 activators using hydrazonoyl chlorides

Journal of Heterocyclic Chemistry, **2016**, 1505-1511

Sobhi M. Gomha, **Thoraya A. Farghaly**, Abdelwahed R. Sayed and Mohamed M. Abdalla

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Medicinal Chemistry Research, **2016**, *25(9)*, 1952–1957.

Hanem M. Awad, Walid Fayad, Salwa M. El-Hallouty, **Thoraya A. Farghaly**, Mohamad M. Abdallah

75- Synthesis and Quantum Chemical Studies on the Tautomeric Structures of New Thiazole and Thiadiazine Derivatives

Current Organic Synthesis, **2016**, *13(6)*, 907 – 916

Sobhi M. Gomha, Fatma A. A. El-Hag, Ahmed M. El Defrawy and **Thoraya A. Farghaly**

76- Antimicrobial Activity of Novel Tetra- and Penta-azaheterocyclic Ring Systems

Journal of Heterocyclic Chemistry, **2017**, *54*, 610-617

Sobhi M. Gomha, Eman M. H. Abbas, and **Thoraya A. Farghaly**

77- Synthesis of a Novel *Tri*-enaminone as Building Block for Polyaza-heterocycles

Journal of Heterocyclic Chemistry, **2017**, *54*, 699-705

Thoraya A. Farghaly, Magda A. Abdallah and Mohamed R. Abdel Aziz

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Expert Opinion On Therapeutic Patents, **2017**, 1-29.

Kamal M. Dawood and **Thoraya A. Farghaly**

79- The utility of hydrazonoyl halides in the synthesis of bioactive heterocyclic compounds

Current Organic Synthesis, **2016**, **Inpress** (available Online)

Thoraya A. Farghaly, Magda A. Abdallah and Huda K. Mahmoud

80- Anti-inflammatory, analgesic and anti-ulcerogenic activities of novel *bis*-thiadiazoles, *bis*-thiazoles and *bis*-formazanes

Med. Chem., Inpress, **2016**



- Zeinab A. Muhammad, Ghada S. Masaret, Mohamed M. Amin, Magda A. Abdallah and **Thoraya A. Farghaly**
 81- Synthesis and Antitumor activity of benzo[6',7'']cyclohepta [1'',2'':4',5']pyrido[2',3'-d][1,2,4]triazolo[4,3-a]pyrimidin-5-ones
Arabian Journal of Chemistry, **2013**, inpress (available Online)
- Mastoura M. Edrees, **Thoraya A. Farghaly**
 82- H-ferrierite zeolite: as an effective and reusable heterogeneous catalyst for synthesis of 1,5-benzothiazepine under solvent free condition and 1,3-dipolar cycloaddition in water
Arabian Journal of Chemistry, **2013**, inpress(available Online)
- Thoraya A. Farghaly** and Huwaida M. E. Hassaneen
 83- *Bis*-Hydrazonoyl chloride as precursors for synthesis of novel polysubstituted bis-azoles
Arabian Journal of Chemistry, **2013**, inpress (available Online)
- Nabila Abdelshafy Kheder and **Thoraya A. Farghaly**
 84- Regio- and site selectivity in the Reactions of Hydrazonoyl Chlorides with 3-substituted indolin-2-one derivatives
Journal of Heterocyclic Chemistry, *Inpress*, **2016**, (available Online)
- Thoraya A. Farghaly**, Magda A. Abdallah and Huda K. Mahmoud
 85- Synthesis of new thiazole, thiadiazole, thiazepine and benzothiazepine derivatives
Journal of Heterocyclic Chemistry, *Inpress*, **2016**, (available Online)
- Fatma A. A. El-Hag, Sobhi M. Gomha and **Thoraya A. Farghaly**
 86- Design, Synthesis, and characterization of *bis*-thiazoles based on *bis*-hydrazonoyl chlorides
Journal of Heterocyclic Chemistry, *Inpress*, **2016**, (available Online)
- Sobhi M. Gomha, **Thoraya A. Farghaly**, and Abdelwahed R. Sayed
 87- Synthesis of some new azoloazines with potent Anti-inflammatory and analgesic activity
Journal of Heterocyclic Chemistry, *Inpress*, **2016**, (available Online)
- Dina H. Dawood, Rabab S. Jasass, Mohamed M. Amin, **Thoraya A. Farghaly** and Eman M. H. Abbas
 88- Illustration for series of new metal ion complexes extracted from pyrazolone derivative, spectral, thermal, QSAR, DFT/B3LYP, docking and antitumor investigations.
Journal of Molecular Liquids, **2016**, Inpress.
- Fawaz Saad, Nashwa El-Metwaly, **Thoraya A. Farghaly**, marwa elghalban, Reem Shah, Gamil Al-Hazmi, Kamel saleh, Mohammad Alfaifi
 89- Synthesis, Molecular docking and anticancer evaluation of new arylazothiazoles.
Current of Organic Synthesis, **2016**, Inpress.
- Sobhi M. Gomha, **Thoraya A. Farghaly**, Nadia T. Alqurashi, Hanaa Y. Abdou and Eman K. Mousa
 90- Synthesis, antimicrobial activity and molecular docking study of thiazole derivatives
Journal of Heterocyclic Chemistry, *Inpress*, **2016**, (available Online)
- Thoraya A. Farghaly**, Magda A. Abdallah, Mohammed A. Khedr, and Huda K. Mahmoud





16

Publications

Curriculum Vita			
Name	Nariman Mohamed Ahmed Nahas		
P.O. Box	City	Postal Code	Country
16222	Makkah		Saudi Arabia
Tel. No. (Office)	Telephone No. (Home)	Fax No.	Mobile No.
			0505500078
E-mail (1)	nmnahas@uqu.edu.sa	E-mail (2)	narinahas@hotmail.com
Academic Title	Associate Professor	Others Titles (Specify)	
Institute/University	Country	College/Directorate	Department
UQU	Saudi Arabia		Chemistry
Nationality	Date of Birth		Country of Birth
Saudian			Saudi Arabia
Languages	Arabic	English	
Major field	Specialization field		
organic	heterocyclic		
PhD Thesis Title			
Synthesis And Application Of Some New Heterocyclic Quinoline Derivatives			
MSc Thesis Title			
Experimental And Theoretical Investigations Of The 1,3-Dipolar Character Of Some 1-Heteroaryl-3-Oxidopyridinium Betaines			
Studies on the effects of some drugs on the level of serum lipids in experimental animals			
Key words which describe your field	Organic Chemistry	Theoretical and Experimental Investigations	
Qualifications			
Degree	Date awarded	Institute/University	Country
B.Sc	1398	UQU	SA
master	1407	KAU	SA
master	1416	UQU	SA
PhD	1425	UQU	SA
Work Experience			
Date: From - To	Position	Institute/University	Country
1427-1431	Assistant Dean of Library Affairs	UQU	SA
1425-1427	Assistant Head of Department of Chemistry	UQU	SA
1408-1410	Assistant Dean of the Faculty of Science	UQU	SA



Summer 1408	Dean of Undergraduate Studies for the students on behalf of the	UQU	SA
Summer 1426	President of the talent program		SA
Scientific Activity			
Synthesis of heterocyclic compounds and their biological activities			
Selected Publications			
<p>1) Photochromism of tetrahydroindolizines. Part XIV: Synthesis of cis-fixed conjugated photochromic pyridazinopyrrolo[1,2-b]isoquinolines incorporating carbon-rich linkers.</p> <p>Saleh A. Ahmed, Khalid S. Khairou, Basim H. Asghar, Hussni A. Muathen, Nariman M. A. Nahas, Hossa F. Alshreef, Tetrahedron Letters, In press, 2014</p> <p>2) synthesis and quantitative structure activity relationship (QSAR) of aryidene (benzimidazol-1-yl)acetohydrazones as potential antibacterial agents</p> <p>Yeldez El-Kilany. Nariman M. Nahas. Mariam A. Al-Gamdi. Mohamied E. I. Badawy. El Sayed H. El Ashry, World journal of microbiology and biochemistry, 2014</p>			





31

Publications

Curriculum Vita			
Name	Refat El-Sayed Ibrahim Abdelfattah		
P.O. Box	City	Postal Code	Country
	Benha		Egypt
Tel. No. (Office)	Telephone No. (Home)	Fax No.	Mobile No.
.....	0597380664
E-mail (1)	Ref_at@hotmail.com	E-mail (2)	reabdelfattah@uqu.edu.sa
Academic Title	Associate professor	Others Titles (Specify)	
Institute/University	Country	College/Directorate	Department
Umm Al-Qura	Saudi Arabia	Applied Science	Chemistry
Nationality	Date of Birth	Country of Birth	
Egypt	30/11/1969	Egypt	
Languages	Arabic	English	
Major field	Specialization field		
Chemistry	Applied organic chemistry		
PhD Thesis Title			
Synthesis and evaluation of different types of surface active agents containing heterocyclic moiety			
MSc Thesis Title			
Synthesis of condensed and noncondensed heterocyclic compounds based on quinazo-line nucleus of expected biological activity			
Key words which describe your field	Synthesis	Surface active agents	Biological activity
Qualifications			
Degree	Date awarded	Institute/University	Country
B.Sc	1992	Zagazig University	Egypt
M.Sc	1997	Benha University	Egypt
P.hD	2003	Benha University	Egypt
Work Experience			
Date: From - To	Position	Institute/University	Country
1993-2002	Teaching of Practical Applications	Faculty of Science in Benha	Egypt



2003-2009	Teaching the Chemistry of Pollution	High Institute of Technology at Benha	Egypt
2010- 2013		Umm-alqura university	Saudi Arabia
2014- Now	Associate proferssor	Umm-alqura university	Saudi Arabia
Scientific Activity			
1- Synthesis of New Heterocyclic drugs of Biological Interest.2-Surface active agents			
3- Chemistry of corrosion4- Spectroscopy			
Publications			
<ol style="list-style-type: none"> Using of quinazolin-2-(propionoyl isothiocyanate)-4-one as a bulding block in synthesis of some heterocyclic compounds of expecting biological activity" Amin, M. S, Eissa, A. M. F, Shaaban, A. F., El-Sawy, A. A and El-Sayed, R.. <i>Indian Journal of Chemistry, 37B, November</i> 1153-1156 (1998). "Utilization of 2-(2-carboxyethyl)-4(3H)-quinazolinone in the synthesis of condensed and noncondensed heterocycles"Amin, M. S, Eissa, A. M. F, Shaaban, A. F., El-Sawy, A. A and El-Sayed, R.. <i>Indian. J. Heterocycles.Chem.7(4), 289-292 (1998).</i> "New heterocycles having a double characters; as antimicrobial and surface active agents. Part 1: Nonionic compounds from fatty acid isothiocyanate" Amin, M. S, Eissa, A. M. F, Shaaban, A. F., El-Sawy, A. A and El-Sayed, R. <i>Grasas Y Aceites. 55,4,370-377(2004).</i> "New heterocycles having a double characters; as antimicrobial and surface active agents. Part 2: Anionic compounds from fatty acid isothiocyanate" Amin, M. S, Eissa, A. M. F, Shaaban, A. F., El-Sawy, A. A and El-Sayed, R. <i>Chemistry: An Indian Journal, 51(4), 155-161 (2003).</i> "New heterocycles having a double characters; as antimicrobial and surface active agents. Part 3: Nonionic compounds from fatty acid hydrazide" Amin, M. S, Eissa, A. M. F, Shaaban, A. F., El-Sawy, A. A and El-Sayed, R. <i>J. Olaj, Szappan, Kozmetika, 53, 2 (2004).</i> "Synthesis of novel heterocycles with antimicrobial and surface active agents" R. El-Sayed, A. A.F. Wasfy and A. A. Aly. <i>J. Heterocyclic Chem. 5, 1 (2005).</i> " Synthesis and biological activity of new 1,3,4-thiadiazole derivatives" A. A. Aly and El-Sayed, R. <i>J. Chem.Pap.59(1)1(2006).</i> " Synthesis, antibacterial and surface activity of 1,2,4-triazole derivatives" R. El-Sayed. <i>Grasas Y Aceites. 57(2),180-188 (2006).</i> "Synthesis and surface active properties of condensed and noncondensed quinazoline derivatives of industrial application" M. S. Amine, A. A. Aly and R. El-Sayed. <i>Indian Journal of Chemistry. Vol. 45B, April.1020-1027 (2006).</i> "Synthesis and evaluation of condensed and noncondensed heterocyclic compounds of industrial application" A. M. F. Eissa and R. El-Sayed. <i>J. Heterocyclic.Chem.43,1(2006).</i> "Synthesis and evaluation of surface active agents containig heterocyclic moeity with potential industrial interest" A. M. F. Eissa and R. El-Sayed. <i>J. Olaj, Szappan, Kozmetika, 56,1(2007)</i> "Surface active properties and biological activity of novel nonionic surfactants containing pyrimidines and related nitrogen heterocyclic ring systems" R. El-Sayed. <i>Grasas Y Aceites.59(2),110-120 (2008).</i> "Preparation of Novel Surface Active agents". R. El-Sayed, A. A.F. Wasfy and A. A. Aly. <i>Olaj, Szappan, Kozmetika. 59,1, (2010).</i> "DC-polarography and cyclic voltammetric studies of some mono and bis azo compounds derived from aromatic 			





- primary amines and 2,3-dihydroxynaphthalene in aqueous solutions" **R. EL-Sayed**, A. Abdallah Mohamed and E.M. Mabrouk. *Material Science Research*. 7(2), (2010)
15. "Synthesis and some reactions of new pyrimidine derivatives of biological and surface activities". **R. EL-Sayed**. *J. Olaj, Szappan, Kozmetika*, 59, 4, (2010)
 16. "Construction of fused heterocycles by metal-mediated [2+2] cyclootrimerization of alkynes and/or nitriles" Mohamed R. Shaaban, **Refat El-Sayed**, Ahmed H. M. Elwahy. *Tetrahedron*. 67, (34), 6095–6130 (2011).
 17. "Substituted Thiadiazole, Oxadiazole, Triazole and Triazinone as Antimicrobial and Surface Activity Compounds". R. El-Sayed. *J. Surfactants and Detergents* 16 (1), 39- 47 (2013).
 18. "The Effect of Non Ionic Surfactants Containing Triazole, Thiadiazole and Oxadiazole as Inhibitors of the Corrosion of Carbon Steel in 1M Hydrochloric Acid". M. Sobhi, **R. El-sayed** & M. Abdallah. *J Surfactants and Detergents*. 16: 937-946 (2013)
 19. "Surface pharmaceutical application of pyrazole, isoxazole, pyrimidine and pyridine derivatives". **R El-Sayed**. *Afinidad LXX*, 562, 142-148 (2013).
 20. "Voltammetric studies of some azo compounds derived from 4-methyl-6,7-dihydroxy coumarin in microemulsion and aqueous media". O A. Hazazi1, **R. El-Sayed** and E. M. Mabrouk. *Journal of Advances in Chemistry* 7, (1) 1271 (2014)
 21. "Antibacterial and surface activities of various nitrogen heterocycles". **R. El-Sayed** and B. H. Asghar. *J Heterocyclic Chem*. 51, 1251-1256 (2014).
 22. "Propoxylated fatty thiazole, pyrazole, triazole, and pyrrole derivatives with antimicrobial and surface activity". **R. El-Sayed**, S. K. Khairou.. *J Surfants and Detergents*. 18 (4), 661-673 (2015).
 23. "Synthesis and evaluation of polyfunctionally substituted heterocyclic compounds derived from 2-cyano-n-(5-pentadecyl-1,3,4-thiadiazol-2-yl)acetamide". **R. El-Sayed**, S. Amani, L. Al Mazrouee,. *Synthetic Commun*. 1(45), 886–897 (2015).
 24. "Synthesis and heteroannulation of pyridine and related heterocyclic systems having surface and biological activities". **R. El-Sayed**. *J Oleo Sci*. 64(7), 761-774 (2015).
 25. "Potential Biosignificant interest and surface activity of efficient heterocyclic derivatives". **R. El-Sayed**, I. Althagafi.. *J Oleo Sci*. 65 (2) 177-192 (2016).
 26. "Synthesis, surface properties, and inhibiting. action of novel nonionic surfactants on carbon steel corrosion in 1 m hydrochloric acid solution". M. Sobhi, **R. El-Sayed**, M. Abdallah.. *Chem Eng Commun*. 203,758–768, (2016).
 27. "Synthesis of some new thiazole, oxazole, pyrimidine and pyridazine derivatives from 2-cyano-N-octadecyl-acetamide as antimicrobial and surface active agents". **Refat. El-Sayed** and Saleh. A Ahmed. *J Heterocyclic Chem*. 53,121-128 (2016).
 28. "Synthesis of ecofriendly functionalized oxadiazole, imidazole, triazole and pyridine derivatives". **Refat El-Sayed**, A.Shaldom, L. Al Mazrouee.. *J Surfactants and Detergents*. 19, 325–335 (2016).
 29. "Utility of Octadecyl Amine in the Synthesis of Various Nitrogen Heterocycles: A Preliminary Investigation on Their Surface and Biological Activities". **Refat El-Sayed** and Saleh A. Ahmed. *J. Heterocyclic Chem.*, 53, 1183-1193 (2016).
 30. "Synthesis of dyestuffs incorporated pyrazole moiety for application to polyester fabrics and biological activity. Refat El-Sayed, Hussni A. Muathen and Ahmed Z. Sayed. *J Advances in Chemistry*. 12 (7) 42012-4212 (2016).
 31. Synthesis of Biodegradable Pyrazole, Pyran, Pyrrole, Pyrimidine and Chromene Derivatives having Medical and Surface Activities. Refat El-Sayed. *J Surfact Deterg*. 19:1153-1167 (2016)





20

Publications

Curriculum Vita

Name				Essam Moustafa Hussein			
P.O. Box		City		Postal Code		Country	
		Makkah		21955		Saudi Arabia	
Tel. No. (Office)		Telephone No. (Home)		Fax No.		Mobile No.	
						00966537927401	
E-mail (1)		Essam.hussein78@yahoo.com		E-mail (2)		amhfarghaly@uqu.edu.sa	
Academic Title		Associate Professor		Others Titles (Specify)			
Institute/University		Country		College/Directorate		Department	
Umm Al-Qura		Saudi Arabia		Applied Science		Chemistry	
Nationality		Date of Birth		Country of Birth			
Egypt		June 30, 1978		Egypt			
Languages		Arabic		English			
Major field			Specialization field				
Organic Chemistry			Synthetic Organic Chemistry				
PhD Thesis Title							
Synthesis and Reactions of Some New Spiroheterocycles							
MSc Thesis Title							
Design, Synthesis and Reactions of Some New Spiroheterocycles							
Key words which describe your field		Sonochemistry		1,3-Dipolar cycloaddition		Spiroheterocycles	
Qualifications							
Degree		Date awarded		Institute/University		Country	
Bachelor Degree in Chemistry (BSc)		1999		Faculty of Science, Assiut University		Egypt	
Master Degree in Chemistry, (Organic Chemistry) (MSc)		2006		Faculty of Science, Assiut University		Egypt	
Ph. D. in Chemistry, (Organic Chemistry)		2009		Faculty of Science, Assiut University		Egypt	



Work Experience			
Date: From - To	Position	Institute/University	Country
Scientific Activity			
<ol style="list-style-type: none"> 1. Design, synthesis of biologically active heterocyclic compounds. 2. Green Chemistry. 3. Multi-component reactions (MCR's). 4. Asymmetric synthesis of organic compounds 			
Publications			
<ol style="list-style-type: none"> 1. Hossa F. Al-Shareef, Heba A. Elhady, Amany H. Aboellil and Essam M. Hussein. Ammonium chloride catalyzed synthesis of novel Schiff bases from spiro[indoline-3,4'-pyran]-3'-carbonitriles and evaluation of their antimicrobial and anti-breast cancer activities. <i>SpringerPlus</i>(2016), 5:887. 2. Mona Ahmed Abdel-Rahman, Essam Mostafa Hussein, and Mahmoud Ali Hussein. Synthesis and characterization of novel anti-inflammatory poly(spirothiazolidinone)s. <i>Designed Monomers and Polymers</i> (2016), 19(7), 650-660. 3. Essam M. Hussein, Hossa F. Al-Shareef, Amany H. Aboellil and Heba A. Elhady. Synthesis of some novel 6'-(4-chlorophenyl)-3,4'-bipyridine-3'-carbonitriles: assessment of their antimicrobial and cytotoxic activity. <i>Z. Naturforsch.</i> (2015), 70(11)b: 783–795. 4. Essam M Hussein, Ghada S Masaret, and Khalid S Khairou. Efficient synthesis and antimicrobial evaluation of some Mannich bases from 2-arylidine-1-thia-4-azaspiro[4.5] decan-3-ones. <i>Chemistry Central Journal</i> (2015), 9:25. 5. Essam M Hussein. Ammonium chloride-catalyzed four-component sonochemical synthesis of novel hexahydroquinolines bearing a sulfonamide moiety. <i>Russ. J. Org. Chem.</i> (2015), 51(1), 54–64. 6. Shawkat A. Abdel-Mohsen and Essam M. Hussein. A green synthetic approach to the synthesis of Schiff bases from 4-amino-2-thioxo-1,3-diazaspiro[5.5]undec-4-ene-5-carbonitrile as potential anti-inflammatory agents. <i>Russ. J. Bioorg. Chem.</i> (2014), 40(3), 343–349. 7. Essam M. Hussein and Khalid S. Khairou. Sonochemistry: synthesis of bioactive heterocycles. <i>Synth. Comm.</i> (2014), 44, 2155–2191. 8. Essam M. Hussein. Ultrasound-promoted efficient domino reaction for the one-pot synthesis of spiro-5-cyanopyrimidines: a rapid procedure. <i>Monatsh. Chem.</i> (2013), 144, 1691–1697. 9. Essam M. Hussein and Ahmed M. El-Khawaga. Simple and clean procedure for three-component syntheses of spiro{pyrido[2,1-b]benzothiazole-3,3'-indolines} and spiro{thiazolo[3,2-a]pyridine-7,3'-indolines} in aqueous medium. <i>J. Heterocycl. Chem.</i> (2012), 49, 1296-1301. 10. Essam M. Hussein. Enviro-economic, ultrasound-assisted one-pot, three-component synthesis of pyrido[2,3-d]pyrimidines in aqueous medium. <i>Z. Naturforsch.</i> (2012), 67b, 231 – 237. 11. Essam M. Hussein and Maisa I. Abdel-Monem. Regioselective synthesis of dispiro[indane-2,3'-pyrrolidine-2',3"-indoline]-1,2",3-triones and evaluation of their anti-inflammatory activities. <i>Int. Res. J. Pharm. Pharmacol.</i> (2012), 2(3), 45-51. 12. Essam M. Hussein. One-pot, three-component, green synthesis of some indeno[2',3':5,6]pyrido[2,1-b]benzothiazoles and indeno[2',3'-e]thiazolo[3,2-a]pyridines. <i>Heterocycl. Lett.</i> (2012), 2(1), 19-26. 			





13. **Essam M. Hussein.** 1,3-Dipolar cycloadditions approach to bioactive spiroheterocyclic compounds. *Heterocycl. Lett.* (2012), 2(4), 485-514.
14. **Essam M. Hussein** and Maisa I. Abdel-Monem. Regioselective synthesis and anti-inflammatory activity of novel dispiro [pyrazolidine-4,3'-pyrrolidine-2',3"-indoline]-2",3,5-triones. *Arkivoc* (2011), 10, 85-98.
15. Ahmed M. El-Khawaga, Maher F. El-Zohry, Thanaa A. Mohamed, and **Essam M. Hussein.** Efficient synthesis of some new spirochromens containing indoline moiety. *Heterocycl. Comm.* (2011), 16(2-3), 157-164.
16. Maher F. El-Zohry, Thanaa A. Mohamed, and **Essam M. Hussein.** Novel syntheses of some new 3,4-dihydrospiro{benzimidazo[1,2-*a*]pyridine-3,3'-indolin}-2'-one derivatives. *Monatsh. Chem.* (2009), 140, 265-272.
17. Maher F. El-Zohry, Thanaa A. Mohamed, and **Essam M. Hussein.** A facile synthesis of some new 7,8-dihydrospiro{imidazo[1,2-*a*]pyridine-7,3'-indoline}-2'-one derivatives. *Heterocycles* (2008), 75(11), 2791-2802.
18. Maher F. El-Zohry, Yasser A. Elossaily, Thanaa A. Mohamed and **Essam M. Hussein.** Synthesis and reactions of some new spiropyranthiazoline derivatives. *Phosphorus, Sulfur and Silicon* (2008), 183, 2095-2107.
19. Maher F. El-Zohry, Yasser A. Elossaily, Thanaa A. Mohamed, and **Essam M. Hussein.** Synthesis and reactions of some new spiro{indeno[1,2-*b*]pyran-4,3'-indolines}. *Heterocycles* (2008), 75(4), 955-963.
20. Maher F. El-Zohry, Yasser A. Elossaily, Thanaa A. Mohamed, and **Essam M. Hussein.** Synthesis of some new spiroprans containing indoline moiety. *Heterocycl. Comm.* (2008), 14(3), 195-198.

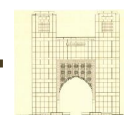




6

Publications

Curriculum Vita			
Name	Ghada Saleh Masarit		
P.O. Box	City	Postal Code	Country
3525/22443	Makkah	7237	Saudi Arabia
Tel. No. (Office)	Telephone No. (Home)	Fax No.	Mobile No.
----	---	----	0505553445
E-mail (1)	Gsmhb2010@hotmail.com	E-mail (2)	gsmasaret@uqu.edu.sa
Academic Title	Assistant Professor	Others Titles (Specify)	
Institute/University	Country	College/Directorate	Department
Umm al-Qura university	Saudi Arabia	Applied Science	Chemistry
Nationality	Date of Birth	Country of Birth	
Saudi	1975	Saudi Arabia	
Languages	Arabic	English	
Major field	Specialization field		
Chemistry	Organic Chemistry		
PhD Thesis Title			
Synthesis of novel heteromacrocylic of expected useful applications			
MSc Thesis Title			
Synthesis of some new fused polyheterocyclic derivatives			
Key words which describe your field	Microwave Synthesis	Heterocyclic	
Qualifications			
Degree	Date awarded	Institute/University	Country
B.Sc.	1997	UQU	Saudi Arabia
M.Sc	2001	UQU	Saudi Arabia
Ph.D.	2008	UQU	KSA
Work Experience			
Date: From - To	Position	Institute/University	Country
11/1418 – 11/1429	Teaching assistant	UQU	KSA



11/1429– up to date	Assistant Professor	UQU	KSA
1425-1426	Director of public relations and media	UQU	KSA
3/1429-3/1431	Depute of Chemistry Department	UQU	KSA
Scientific Activity			
Publications			
<p>1- Synthesis of some new fused heterocycles related to pyrrolopyrazoloquinazolines..... (AFINIDAD, Oct.2001).</p> <p>2-Microwave Assisted Synthesis of Benzo-Substituted Macrocyclic Diamides and Their Corresponding Macrocyclic Dithiodiamides. (J. Heterocyclic Chem, Sep-Oct 2004).</p> <p>3- Synthesis and molecular orbital calculation of some benzo-substituted macrocyclic diamides and their corresponding macrocyclic dithiodiamides.(Tetrahedron, Mar 2007).</p> <p>4- Synthesis of Novel Benzo-Substituted Macrocyclic Schiff Containing Two Triazole Rings) (J. Heterocyclic Chem, Mar 2007)</p> <p>5- Efficient synthesis and antimicrobial evaluation of some Mannich bases from 2-arylidine-1-thia-4-azaspiro[4.5]decan-3-ones. (Chemistry Central Journal ,May, 2015). Essam M Hussein, Ghada S. Masaret andKhalid S Khairou</p> <p>6- New and efficient approach for synthesis of novel bioactive [1,3,4]thiadiazoles incorporated with 1,3-thiazole moietyOriginal Research Article,(European Journal of Medicinal Chemistry), Available online 7 May 2015.</p> <p>Thoraya A. Farghaly, Magda A. Abdallah, Ghada S. Masaret, Zeinab A. Muhammad</p>			





6

Publications

Curriculum Vita			
Name	Hossa Fahad Nesair Alshareef		
P.O. Box	City	Postal Code	Country
	Makkah	21955	Saudi Arabia
Tel. No. (Office)	Telephone No. (Home)	Fax No.	Mobile No.
+966555544733	+966555544733	+966125580159	+966555544733
E-mail (1)	hfshareef@uqu.edu.sa	E-mail (2)	Hossaf2010@yahoo.com
Academic Title	Assistant professor	Others Titles	-----
Institute/University	Country	College/Directorate	Department
Umm- Alqura	Saudi Arabia	Faculty of applied Science	Chemistry
Nationality	Date of Birth	Country of Birth	
Saudi	04/07/1973	KSA	
Languages	English	Arabic	
Major field	Specialization field		
Chemistry	Organic Chemistry		
PhD Thesis Title			
Preparation and Characterization of Modified Chitosan for Bioactive Applications			
MSc Thesis Title			
Synthesis and Reaction Of Some New Pyridazinones Of Expected Biological Activities			
Key words which describe your field	Synthesis	Polymers Modification	Application field
Qualifications			
Degree	Date awarded	Institute/University	Country
B. Sc.	1997	UQU	KSA
M. Sc.	2004	UQU	KSA
Ph. D.	28/1/2009 G	King Abdulaziz	KSA
Work Experience			
Date: From - To	Position	Institute/University	Country
1426 -1428	Head of college activities	Faculty of Applied Sciences, Umm Al- Qura University	Saudi Arabia
1422-1425	Supervisor of the practical	Faculty of Applied Sciences, Umm Al- Qura University	Saudi Arabia



	training office		
1430	Supervisor of students' box	Faculty of Applied Sciences, Umm Al- Qura University	Saudi Arabia
1430 -1431	Coordinator of quality	Faculty of Applied Sciences, Umm Al- Qura University	Saudi Arabia
2011 –until now	Assistant Professor	Faculty of Applied Sciences, Umm Al- Qura University	Saudi Arabia
2013-2015	Coordinator of Training Department	Faculty of Applied Sciences, Umm Al- Qura University	Saudi Arabia

Scientific Activity

1- Current Research Interests:

- Bio-polymers and drug delivery systems.
- Polymer nano-materials and nano-composite.
- Polymers in wastewater treatment.
- Synthesis, characterization and application of polymers & some heterocyclic compounds .
- Biological applications of polymers .

2- Research projects :

Project(1) -Synthesis of New Tacrine Analogues synthesized undermicrowave irradiation and Evaluation of their Biological Activities.

Project(2) - Synthesis, Characterization and DFT Studies of Novel Mesomorphic Materials

Publications

1. A.Farag, **H. Shareef**, "Oxo-butanoic acids in heterocyclic synthesis of some pyridazine derivatives containing indole and pyrazole moieties", *El-Azhar's Academic Magazine, El-Azhar University*, 2005
2. Magdy Y. Abdelaal, Tariq R. Sobahi and **Hossa F. Al-Shareef**, "Modification of chitosan derivatives of environmental and biological interest: A green chemistry approach", *International Journal of Biological Macromolecules*, **55**, 231–239 (2013).
3. Saleh A. Ahmed ,Khalid S. Khairou,Basim H. Asghar,Hussni A. Muathen,Nariman M. A. Nahas,Hossa F. Alshareef,Photochromism of tetrahydroindolizines. Part XIV: synthesis of cis-fixed conjugated photochromic pyridazinopyrrolo[1,2-b]isoquinolines incorporating carbon-rich linkers, *Tetrahedron Letters*, **55** , 2190–2196(2014).
4. Essam M. Hussein*, Hossa F. Al-Shareef, Amany H. Aboellil and Heba A. Elhady, Synthesis of some novel 6'-(4-chlorophenyl)-3,4'-bipyridine-3'-carbonitriles: assessment of their antimicrobial and cytotoxic activity, *Z. Naturforsch*,**70**, Issue 11 (2015)
5. Magdy Y. Abdelaal a, Tariq R. Sobahi , Hossa F. Al-Shareef ,MUTUAL EFFECT OF CHITOSAN DERIVATIVES AND SOME MICROBES ON THE MICROBIAL ACTIVITY, *International Research Journal of Natural and Applied Sciences*, **3**, Issue 6,200-208 (2016).
6. Hossa F. Al- Shareef, Heba A. Elhady, Amany H. Aboellil and Essam M. Hussein, Ammonium chloride catalyzed synthesis of novel Schiff bases from spiro[indoline- 3,4'- pyran]- 3'- carbonitriles and evaluation of their antimicrobial and anti- breast cancer activitie, *SpringerPlus*, **5:887,1-10 (2016)** .



**B. CONFERENCES**

1. M.Y. Abdelaal, T.R. Sobahi and **H.F. Al-Shareef**, "Preparation of some carbohydrate derivatives of Chitosan and their characterization", *1stTaibah International Chemistry Conference*, Al-Madinah Al-Munawwarah, Saudi Arabia, March 23 – 25, 2009, **P307**, page 517.
2. **H.F. Al-Shareef**, M.Y. Abdelaal and T.R. Sobahi, "Effect of Solvents on the properties of Chitosan and its derivatives during its chemical modification", First Scientific Conference for Students and Graduate Students at the Faculty of Science, King Abdulaziz University, Jeddah, Saudi Arabia, 2010.
3. **H.F. Al-Shareef**, T.R. Sobahi and M.Y. Abdelaal, "Effect of solvents on the properties of Chitosan and its derivatives during its chemical modification", *2nd Taibah International Chemistry Conference*, Al-Madinah Al-Munawwarah, Saudi Arabia, 2010.
4. Tariq R. Sobahi, Amany H. Aboellil, Magdy Y. Abdelaal, **Hossam F. Al-Shareef**, "The Mutual effect of chitosan derivatives and microbial activity of some microbes", The 29th Meeting of the Saudi biological society Environment and Development in the Gulf Region, University of Dammam, 25-27/2/2014.





20

Publications

Curriculum Vita			
Name	Ismail Ibrahim Mohammed Althagafi		
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	Makkah		KSA
Tel. No. (Office)	Telephone No. (Home)	Fax No.	Mobile No.
.....
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Academic Title	Assistant professor	Others Titles (Specify)	
Institute/University	Country	College/Directorate	Department
Umm-alqura	KSA	Applied Science	chemistry
Nationality	Date of Birth		Country of Birth
Saudi		KSA
Languages	Arabic	English	
Major field	Specialization field		
Chemistry	Physical Organic chemistry		
PhD Thesis Title			
Structural variation in n-conjugated DNA binders through click chemistry: synthesis and interaction studies			
MSc Thesis Title			
.....			
Key words which describe your field	Synthesis	DNA	Binders
Qualifications			
Degree	Date awarded	Institute/University	Country
B.Sc	2003	Umm-Alqura university	KSA
P.hD	2012	Cardiff university	UK
Work Experience			
Date: From - To	Position	Institute/University	Country
2003-2006	Teacher of high	Ministry of Education	KSA

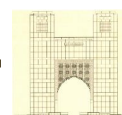


	school		
2006-2007	Teaching Assistant	Umm-alqura university	KSA
2013- Now	Assistant proferssor	Umm-alqura university	KSA
25/11/2014- Now	Vice Dean of innovation and Entrepreneurship Institute	Umm-alqura university	KSA
21/11/2015- 26/07/2015	Head of Entrepreneurship department	Umm-alqura university	KSA

Scientific Activity

Publications

- 1- Base mediated synthesis of a-aminatedaroyl/acetylnaphthalenes through [4p2] annulations. Surjeet Singh , **Ismail Althagafi** , Pratik Yadav , Rahul Panwar , Abhinav Kumar ,RamendraPratap, Tetrahedron., 2014, 70, 8879-8884.
- 2- Recent Progress In The Synthetic Routes Of Triazolothiadiazines. Bakr F. Abdel-Wahab &**Ismail Althagafi**. Phosphorus, Sulfur, and Silicon and the Related Elements., 2014.
- 3- Synthesis of 1-amino-2-aroyl/acetylnaphthalenes through a base mediated one pot inter and intramolecular C–C bond formation strategy. Surjeet Singh, Pratik Yadav,a Satya Narayan Sahu, **Ismail Althagafi**, AbhinavKumar,Brijesh Kumar, Vishnu Ji Ram and RamendraPratap., Org. .4737–Biomol. Chem., 2014, 12, 4730
- 4- Precursor directed regioselective synthesis of partially reduced benzo[e]indene through oxidative cyclization and benzo[h]quinolones. Surjeet Singh, Rahul Panwar,a Pratik Yadav, **Ismail Althagafi**, Satya Narayan SahaandRamendraPratap., RSC Adv., 2015, 5, 18335.
- 5- Synthesis, Spectral Characteristics and DFT Studies of the New Dye 2,7diacetyl-9-((dimethylamino)methylene)-9H-fluorene (DMMF) in Different Solvents. Abdullah M Asiri, Saleh A Ahmed, Samy A El-Daly, Mahmoud Hussein, Amerah M Al-Soliemy, Osman I Osman, Mohamed R Shaaban, **Ismail I Althagafi**, J Fluoresc 2015 Sep 26;25(5):1303-14.
- 6- Base mediated regioselective synthesis of highly functionalized conjugated enones. Surjeet Singh, Rahul Panwar, **Ismail Althagafi**, RamendraPratap, Tetrahedron Letters 07/2015; 56(37).
- 7- Oxidation of Pectate Biopolymer by Hexacyanoferrate(III) in Aqueous Alkaline Medium. A Kinetic and Mechanistic Study.A. Fawzy, I. A. Zaafarany, J. Alfahemi, **I. Althagafi**, M. Morad*Chem. .(2015) 996-985 ,4,.,Sci. Rev. Lett*
- 8- Kinetics and Mechanistic Aspects of Oxidation of Iota- and Lambda-Carrageenans by Chromium(VI) in Aqueous Perchlorate Solutions. A. Fawzy, **I. Althagafi**, K. Khairou, R. Hassan, N. Yarkandi, L. Almazroai, T. Bawazeer*Chem. Sci. .(2016) 1304-1293 ,4 ,.Lett .Rev*



- 9- Kinetics and Mechanistic Study of Permanganate Oxidation of FluorenoneHydrazone in Alkaline Medium. Fawzy, S. A. Ahmed, I. Althagafi, M. H. Morad, K. S. Khairou *Adv. (2016) 9-1* ,*Phys. Chem*
- 10- Chromic Acid Oxidation of MethylaminopyrazoleFormamidine in Sulfuric Acid Medium: A Kinetic and Mechanistic Approach. A. Fawzy, I. Althagafi, F. Tirkistani, M. Shaaban, M. Morad *Am. (2016) 9-1* ,5 ,*J. Phys. Chem*
- 11- Kinetics and Mechanism of Silver(I)-Catalyzed Oxidation of Tryptophan by Platinum(IV) in Perchlorate Solutions. I. A. Fawzy .(2016) 29-4,23 ,*Am. J. Chem. Eng Althagafi*
- 12- Cerium(IV) Oxidation of Sulfated Polysaccharides in Aqueous Perchlorate Solutions. A Kinetic and Mechanistic Approach. A. Fawzy, R. M. Hassan, I. Althagafi, M. Morad *Adv. (2016) 128-122* ,7 ,*Mater. Lett*
- 13- Synthesis of Novel Diketo acid Carragenans as Coordination Biopolymeric Chealting Agent Precursor by Oxidation of Kappa-Carrageenan Polysaccharide by Alkaline Permanganate. A. Fawzy, I. A. Zaafarany, I. Althagafi, J. H. Alfahemi, H. M. Altass, K. S. Khairou, R. M. Hassan, *AASCIT Commun.*, 3, 49-55 (2016).
- 14- Kinetic and Mechanism of Oxidation of Benzazolyformamidines by Permanganate in Alkaline Medium. A. Fawzy, I. Zaafarany, I. Althagafi, A. Al-Bonayan, F. Aljiffrey *Am. (2016) 58-50* ,4 ,*J. Appl. Chem*
- 15- Oxidation of Formamidines by Cerium(IV) in Aqueous Perchlorate Solutions: A Kinetics and Mechanistic Approach. A. Fawzy, I. A. Zaafarany, I. Althagafi, M. Morad, J. Alfahemi *Adv. (2016) 8-Biochem.*, 4, 1
- 16- Kinetics and Mechanism of Oxidation of Vanillin by Permanganate in Neutral Medium and the Effect of Different Transition Metal Ion Catalysts A. Fawzy, I. A. Zaafarany, I. Althagafi, J. Alfahemi, M. Morad *Aust. (2016) 2 :3* ,*Chem. Eng*
- 17- Kinetics and Mechanism of Oxidation of Vanillin by Chromium(VI) in Sulfuric Acid Solutions. A. Fawzy, I. A. Zaafarany, K. S. Khairou, I. Althagafi, J. Alfahemi *Modern Chem. (2016) 185-179* ,4 ,*Appl*
- 18- A Comparative Kinetic Study of Silver(I)-Catalyzed Oxidations of Alanine and Valine by Platinum(IV) in Perchloric and Sulfuric Acid Solutions. A. Fawzy, I. A. Zaafarany, F. A. Tirkistani, I. Althagafi, J. Alfahemi *Am. 73-65* ,5 ,*J. Phys. Chem (2016)*
- 19- Kinetics and Mechanistic Approach to Palladium(II)-Catalyzed Oxidative Deamination and Decarboxylation of Leucine and Isoleucine by Anticancer Platinum(IV) Complex in Perchlorate Solutions. A. Fawzy, I. A. Zaafarany, H. M. Altass, I. I. Althagafi, T. M. Bawazeer *Modern Chem. (2016) 4:2* ,*Appl*
- 20- Kinetics and Mechanism of Oxidation of FluorenoneHydrazone by Permanganate Ion in Different Acidic Media. A. Fawzy, S. A. Ahmed, H. M. Altass, I. I. Althagafi, I. A. Zaafarany, K. S. Khairou *Aust. (2016)* ,*Chem. Eng*





Curriculum Vita				
Name		Hanadi Ahmed Abdulfattah Katouah		
P.O. Box	City	Postal Code	Country	
7299	Makkah	24243	Saudi Arabia	
Tel. No. (Office)	Telephone No. (Home)	Fax No.	Mobile No.	
	+966125588772		+966555505030	
E-mail (1)	hakatouah@uqu.edu.sa	E-mail (2)	hkatouah@yahoo.co.nz	
Academic Title	Assistant Professor of Biochemistry	Others Titles (Specify)		
Institute/University	Country	College/Directorate	Department	
Umm Al-Qura	Saudi Arabia	Faculty of Applied Sciences	Chemistry	
Nationality		Date of Birth	Country of Birth	
Saudi		4-6-1971	Saudi Arabia	
Languages		Arabic	English	
Major field		Specialization field		
Biochemistry		Free Radicals Biochemistry		
PhD Thesis Title				
Inhibition of macrophage metabolism by oxLDL				
MSc Thesis Title				
EFFECT OF THE FUEL-ADDITIVE METHYL-<i>TERT</i>-BUTYL ETHER (MTBE) ON BLOOD COMPONENTS OF RATS				
Key words which describe your field	macrophages	oxLDL	7,8-dihydroneopterin	U937 and HMDM cells
Qualifications				
Degree	Date awarded	Institute/University	Country	
Bachelor	1416 H	King Abdul Aziz University	Saudi Arabia	
Master	1426 H	King Abdul Aziz University	Saudi Arabia	
PhD	12-12-2012 G	University of Canterbury	NewZeland	
Work Experience				
Date: From - To	Position	Institute/University	Country	
From 28-3-1434H to 9-5-1435	Head of activity and student support center	Umm Al-Qura University	Saudi Arabia	
From 21-3-1435H to 10-5-1436H	Deputy of Chemistry Department (Female)	Umm Al-Qura University	Saudi Arabia	



From 5-5-1436 H	Deputy of the Director of Applied Science Center in Deanship of Scientific Research, Director of <i>Waedah</i> Program,	Umm Al-Qura University	Saudi Arabia
------------------------	--	-------------------------------	---------------------

Scientific Activity

Current Research Interests:

1. Free radicals.
2. Heart diseases.
3. Atherosclerosis.
4. Metabolic enzymes.
5. Lipoproteins.
6. Toxicology.
7. Antioxidants.
8. Reduction and oxidation reactions.
9. Antibodies.

Laboratory skills:

1. Chemistry and hematology of the blood.
2. Culturing different types of cells.
3. Preparation of serum and plasma.
4. OxLDL preparation.
5. Determination of cell viability.
6. HPLC analysis.
7. Determination of enzyme activity.
8. Gel electrophoresis.
9. Determination of BCA protein.
10. Lipid analysis.
11. Determination of nucleotides.
12. Fluorescence and UV spectrophotometry.

Publications

1. Assessment of the impact of Methyl tertiary butyl ether (MTBE) contaminated drinking water on blood hematology. Wadiyah Saleh Backer and Hanadi Ahmed Katouah. Bulletin of Pure and Applied Science Vol.25C (No.2); pp. 119-129 (2006).
2. The effect of water contaminated with methyl tertiary butyl ether (MTBE) on the rats's weight and tissue. Wadiyah Saleh Backer, Ahmed Nabil Abo-Khatwa and Hanadi Ahmed Katouah. Saudi Biological Society, Vol.15: (No.1); under press (2008).
3. Oxidant Production, oxLDL Uptake, and CD36 Levels in Human Monocyte-Derived Macrophages Are Downregulated by the Macrophage-Generated Antioxidant 7,8-Dihydroneopterin. Steven P Gieseg, Zunika Amit, Ya-Ting Yang, Anastasia Shchepetkina and Hanadi Katouah. Antioxid Redox Signal **13**(10):1525-34 (2010), PMID 20408759
4. NOX activation and loss of metabolic function during oxLDL induced cell death in human macrophages. Hanadi Katouah^{1,2}, Alpha Chen¹ and Steven Gieseg¹. (In process).





13

Publications

Curriculum Vita			
Name	Heba Abd Elhady Mohamed		
P.O. Box	City	Postal Code	Country
	Makkah	715	Saudi Arabia
Tel. No. (Office)	Telephone No. (Home)	Fax No.	Mobile No.
			00966546195348
E-mail (1)	habasuny@uqu.edu.sa	E-mail (2)	Hebaa_elhady@yahoo.com
Academic Title	Assistant professor	Others Titles (Specify)	
Institute/University	Country	College/Directorate	Department
Umm- Alqura	Saudi Arabia	Faculty of applied Science	Chemistry
Nationality	Date of Birth	Country of Birth	
Egyptian	28/11/1979G	Egypt	
Languages	English	Arabic	
Major field	Specialization field		
Chemistry	Organic Chemistry		
PhD Thesis Title			
Syntheses, mass spectral fragmentation and biological activity of some nitrogen heterocyclic compounds.			
MSc Thesis Title			
Syntheses of some new heterocyclic compounds containing nitrogen heterocyclic compounds.			
Key words which describe your field	Thiohydantoin	triazine	Schiff bases
Qualifications			
Degree	Date awarded	Institute/University	Country
Assistant professor	28/1/2009 G	Al Azhar University	Egypt
Work Experience			
Date: From - To	Position	Institute/University	Country
Scientific Activity			
Synthesis of heterocyclic compound and evaluation them as 10. Anti-cancers			



11. Anti-viral
12. Anti-oxidant
13. Anti-microbial

Publications

Publications:

1. Syntheses of some heterocyclic compounds containing thiophene moiety, S.M.Mohamed, M.Unis and H.Abd El Hady. Indian .j. Chem. Vol. (B), 2006.
2. Syntheses and mass spectral fragmentation of some new heterocyclic compounds containing thiophene moiety, S.M. Mohamed, M. Unis and H.Abd El Hady, Egypt.J. Chem. 49(2), pp. 209-223, (2006).
3. Syntheses, mass spectral fragmentation and biological activity of thiosemicarbazone, thiazole and 2-thioxo-imidazolidine derivatives, M. Khali, S.M. Mohamed and H.Abd El Hady, Mens Agitat, vol. 3(2), 2008, pp.93-106.
4. Syntheses, mass spectral fragmentation and biological activity of thiosemicarbazone, thiazole and 2-thioxo-imidazolidine derivatives, M. Khali, S.M. Mohamed and H. Abd El Hady, Mens Agitat, vol. 3(2), 2008, pp.71-84.
5. Design and syntheses of some new thiophene, thienopyrimidine and thienothiadiazine derivatives of antipyrine as potential antimicrobial agents, Hala M. Aly, Nashwa M. Saleh and Heba A. El hady; European Journal of Medicinal Chemistry 46 (2011): 4566-4572 (impact factor 3.346).
6. Electrone impact ionization mass spectra of 1, 2, 4-triazine derivatives, M.H. Sherif and H. Abd El Hady, (accepted for publication), Trade Science Inc, 2012, impact factor 0.8.
7. Syntheses and anti-microbial activity of some new thiohydantoin and thiazole derivatives, Heba A. El Hady, Der Pharm Chemica, 2012, 4(6):2202-2207.
8. Synthesis of imidazolinone and benzoxazole derivatives, and evaluation of their anticancer activity; Heba A. El-Hady and Samar A. Abubshait; Research on Chemical Intermediate (accepted in 20 october 2013 and available on line 07 November 2013), (impact factor 1.54).
9. Syntheses and antitumor activity of some 1,2,4- triazine derivatives, Heba A. El - Hady and Sahar S. El –Sakka, IJIRSET, 3(4), (2014) 10854 – 10860 (impact factor 1.672).
10. Syntheses and antimicrobial activity of new benzofuran, pyrrole, imidazole and thioxoimidazolidin incorporating antipyrine moiety, Heba A. Elhady. Hala M. Aly, Nashwa M. Saleh, International Journal of Advanced Research, 2 (3) (2014), 806-816 (impact factor 1.659).
11. Synthesis of some novel 6'-(4-chlorophenyl)-3,4'-bipyridine-3'-carbonitriles: assessment of their antimicrobial and cytotoxic activity, Essam M. Hussein*, Hossa F. Al-Shareef, Amany H. Aboellil and Heba A. Elhady, Z. Naturforsch. 2015; accepted June 17, 2015.
12. Convenient synthesis of 1, 3-disubstituted-2-thioxo-imidazolidin-4-ones as potential anti-tumor agents, Heba A. Elhady, international Journal of Advanced Research 2015, 3 (10), pp. 2340 -2351.
13. Ammonium chloride catalyzed synthesis of novel Schiff bases from spiro[indoline-3,4'-pyran]-3'-carbonitrile and evaluation of their antimicrobial and anti-breast cancer activities, Hossa F. Al-Shareef, Heba A. Elhady, Amany H. Aboellil and Essam M. Hussein Springer plus, 2016.





14

Publications

Curriculum Vita				
Name	Nizar Amor Jilani Elguesmi			
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495	Makkah	21955	Saudi Arabia	
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0096625270000	----	0096625270000	+966551516795	
E-mail (1)	naguesmi@uqu.edu.sa	E-mail (2)	nizar_chem@yahoo.fr	
Academic Title	Assistant Prof	Others Titles (Specify)		
Institute/University	Country	College/Directorate	Department	
Umm Al-qura	Saudi Arabia	Applied Sciences	Chemistry	
Nationality		Date of Birth	Country of Birth	
Tunisian		05/09/1980	Tunisia	
Languages		Arabic	English	French
Major field		Specialization field		
Organic Chemistry		Physical Organic Chemistry		
PhD Thesis Title				
Kinetics and reactivities of aromatic triflones in the S_NAr and π -complexation processes : solvent effects and structure-reactivity relationships				
MSc Thesis Title				
Kinetic study of the reactions of 2,6-bis(trifluoromethylsulfonyl)-4-nitroanisole with O- and N-nucleophiles				
Key words which describe your field	Spectrophotometry	Kinetics and Structure-reactivity correlation	Quantification of the Reactivities of Synthetically Important Reagents	Nucleophilicity-Electrophilicity Scales (Mayr's scale)
Qualifications				
Degree	Date awarded	Institute/University	Country	
B.Sc. in Chemistry	2003	Monastir Fac. of Science, University of Monastir	Tunisia	
Master	2005	Monastir Fac. of Science, University of Monastir	Tunisia	
Ph.D	2010	Monastir Fac. of Science,	Tunisia	





University of Monastir			
Work Experience			
Date: From - To	Position	Institute/University	Country
2013 – Present	Assistant professor	Chemistry Department, Faculty of Applied Sciences, Umm Al-Qura University, Makkah	Saudi Arabia
2010- 2013	Assistant professor	Department of Chemistry, Fac. of Science, Monastir University	Tunisia
2005- 2010	Lecturer	Department of Chemistry, Fac. of Science, Monastir University	Tunisia
Scientific Activity			
<ul style="list-style-type: none"> • Kinetics and Structure-reactivity correlations • Spectrophotometric determination of reactivity of organic compounds • Polar reactivity versus SET processes • Supramolecular reactivity • Theoretical calculation and molecular modeling of organic reactions 			
Publications			
<ol style="list-style-type: none"> 1. N. El Guesmi, T. Boubaker, R. Goumont and F. Terrier, <i>European Journal of Organic Chemistry</i> (2014) 6774–6786 "Regioselectivity and High Electrophilicity in the σ-Complexation of Aromatic Triflones" 2. N. El Guesmi, G. Berionni and Basim H. Asghar. <i>Journal of Fluorine Chemistry.</i>, 2014, 160, 41-47. "Mechanistic studies and quantification of the electrophilicity of aromatic triflones in σ-complexation and S_NAr reactions." 3. N. Jegham, A. Bahi, N. El Guesmi and B. Ben Hassine. <i>Arabian Journal of Chemistry</i> (2014) in press "Regio- and stereoselective synthesis of new spiro-isoxazolidines via 1,3-dipolar cycloaddition" 4. N. El Guesmi, G. Berionni and Basim H. Asghar. <i>Monatshefte fur Chemie.</i>, 2013, 144, 1537-1545. "Electronic and solvent effects on kinetics of an S_NAr substitution reactions of substituted anilines with 2,6-bis-(trifluoromethanesulfonyl)-4-nitroanisole in MeOH-Me₂SO mixtures of varying compositions : One reaction with two mechanistic pathways." 5. N. El Guesmi, T. Boubaker and R. Goumont. <i>Progress in Reaction Kinetics and Mechanism.</i>, 2013, 38, 130-142. "Single Electron Transfer in S_NAr Process: Reactions of 2,4,6-tris-(trifluoromethane-sulfonyl)anisole with Anilines in Dimethyl Sulfoxide". 6. N. El Guesmi and T. Boubaker. <i>International Journal of Chemical Kinetics.</i>, 2011, 43, 255-262. "Substituent effects on the reactions of aromatic triflones with para-X-anilines in methanol: Low intrinsic reactivity and transition state imbalances". 7. S. Lakhdar, F. Terrier, D. Vichard, G. Berionni, N. El Guesmi, R. Goumont and T. Boubaker. <i>Chemistry A European Journal.</i>, 2010, 16, 5681-5690. "The Diels–Alder Reaction of 4,6-Dinitrobenzofuroxan with 1-Trimethylsilyloxybuta-1,3-diene: A Case Example of a Stepwise Cycloaddition". 8. N. El Guesmi, T. Boubaker and R. Goumont. <i>International Journal of Chemical Kinetics.</i>, 2010, 42, 203-210. 			



- "Activation of the aromatic system by the SO_2CF_3 group: Kinetics study and structure-reactivity relationships."
9. N. El Guesmi, T. Boubaker, R. Goumont and F. Terrier. *Chemistry A European Journal*, 2009, 15, 12018-12029. "The ambident reactivity of 2,4,6-tris(trifluoromethanesulfonyl)anisole in methanol. Using the SO_2CF_3 group as a tool to reach the superelectrophilic dimension in π -complexation processes."
 10. N. El Guesmi, T. Boubaker, R. Goumont and F. Terrier. *Organic and Biomolecular Chemistry*, 2008, 6, 4041-4052. "The electrophilicity of aromatic triflones in π -complexation processes."
 11. N. Jegham, A. Bahi, N. El Guesmi and B. Ben Hassine. *Arabian Journal of Chemistry*, 2015 (in press) "Regio- and stereoselective synthesis of new spiro-isoxazolidines via 1,3-dipolar cycloaddition"
 12. S. A. Ahmed, N. El Guesmi, B. H. Asghar, F. Maurel, I. I. Althagafi, K. S. Khairou and H. A. Muathen. *Journal of physical Organic Chemistry*, 2016 (in press) "Photochromism of dihydroindolizines Part XIX. Efficient one-pot solid-state synthesis, kinetic, and computational studies based on dihydroindolizine photochromes"
 13. M. A. Kassem and N. El Guesmi, *Analytical Chemistry Letters*, 2016, 5, 657-668 "Sensitive Kinetic Spectrophotometric Determination of Cyclobenzaprine HCl in Pure Form and Pharmaceutical Formulations"
 14. A. Fawzy, N. El Guesmi, I. I. Althagafi and B. H. Asghar, *Journal of solution Chemistry*, 2016 (in press) "Kinetics and mechanism of permanganate oxidations of isosorbide in different acidic media".





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Publications

Curriculum Vita			
Name	Rasha El-Demerdashi Mohammed El-Mekawi		
P.O. Box	City	Postal Code	Country
----	Makkah Al-Mukarramah	----	Saudi Arabia
Tel. No. (Office)	Telephone No. (Home)	Fax No.	Mobile No.
----	-----	-----	0566063141
E-mail (1)	Rashachemistry1@yahoo.com	E-mail (2)	Rasharose67@yahoo.com
Academic Title	Assistant professor	Others Titles (Specify)	Researcher
Institute/University	Country	College/Directorate	Department
<i>Umm Al-Qura</i>	<i>Saudi Arabia</i>	<i>Applied Science</i>	<i>Chemistry</i>
Nationality	Date of Birth	Country of Birth	
Egyptian	24/2/1983	Egypt	
Languages	Arabic	English	
Major field	Specialization field		
Organic chemistry	Heterocyclic chemistry		
PhD Thesis Title			
Computational Chemistry and Synthesis of Some Novel Porphyrin, Phthalocyanine and Cyanine Dyes Compounds of Photodynamic Therapy, Antioxidant and Antitumer Agent			
MSc Thesis Title			
Studies on synthesis of some new heterocyclic compounds			
Key words which describe your field	1-Heterocyclic synthesis of biological interest	2-Photosensitizers 3-Photodynamic therapy	4-Macromolecule 5-Nanotechnology
Qualifications			
Degree	Date awarded	Institute/University	Country
B. SC.	26/7/2004	Mansoura	Egypt
M.Sc.	21/1/2008	Mansoura	Egypt
Ph.D.	30/7/2012	Mansoura and Egyptian Petroleum Research Institute (EPRI)	Egypt
Work Experience			
Date: From - To	Position	Institute/University	Country
2004-2008	demonstrator	Mansoura University	Egypt
2008-2012	Assistant lecturerr	Mansoura University	Egypt



2012-2014 until now	Assistant professor	Mansoura University and Egyptian petroleum Research Institute (EPRI)	Egypt
2014 until now	Assistant professor	Umm Al-Qura University	Saudi Arabia

Scientific Activity

Reviewed papers:

1- PHB-PEO-electrospun fiber membranes containing chlorhexidine for drug delivery applications. Pharmaceutical research (manuscript ID)7655.

2-

Editor in scientific Journal :

1- Pharmacologia journal

Conferences:

1. 10th International Conference On Chemistry and its Role in Development (ICCRD) March 2009, Chemistry Department, Faculty of Science, Mansoura University, Mansoura, Egypt (Poster)

2. 1th International Conference On Chemistry and its Role in Development (ICCRD) March 2013, Chemistry Department, Faculty of Science, Mansoura University, Mansoura, Egypt (Oral and Poster presentation)

3. 4th International Conference of Biological and Environmental Science (Zoology and Botany) department, Mansoura University, Mansoura, Egypt (ICBES)

4. 3rd ScienceOne Conference on Drug Discovery and Development, Deira, Dubai, UAE January 21-23, 2014, <http://thescienceone.com/scddd> (The inhibitory effect of photodynamic therapy: Targeted therapy to remove embryos of the rates has been accepted for Oral Presentation at SCDDD 2014.)

5. 5th International Chemistry Conference, Convenient synthesis of highly functionalized novel phthalocyanines *via* disilazanes under mild condition. A. A. Fadda, Rasha E. El-Mekawy, Faculty of Science, King Khaled University, Abha,

6. 5th International Chemistry Conference, An efficient one-pot synthesis and in vitro antimicrobial activity of some new porphyrin skeleton bearing the phenoxy butoxy and phenoxy pentoxy moieties, A. A. Fadda, Rasha E. El-Mekawy, Faculty of Science, King Khaled University, Abha.

7. Desirable Synthetic Targets: Novel Synthetic Approach, Antiviral, Cytotoxicity and Antitumor Evaluations of A₄ type of Porphyrin Derivatives, A. A. Fadda, Rasha E. El-Mekawy, Humboldt Kolleg, (The Egyptian society of Alexander Von Humboldt Fellow), 2014, Germany.

8. Electronic absorption spectra: Novel porphyrines containing peripherally functionalized fused heterocyclic compounds as in vivo antitumor agents, A. A. Fadda^a, Rasha E. El-Mekawy^{b,c,*} 1st International Conference on Applied Chemistry (ICAC 2015) · Jeddah, 18th - 19th November 2015

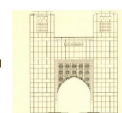
Projects:

1- Participate in US-Egypt joint research project entitled " Molecular Modeling And Synthesis Of Novel Porphyrin And Phthalocyanine Compounds For Photodynamic Therapy" **Finished**

2- Participate in Mansoura University research project entitled " New Strategy For Porphyrins Synthesis Based On Different Protocols of Reactions To Be Used In Photodynamic Therapy" **Still now**

3- Comparative study of photocatalytic and sonophotocatalytic hydrogen production using cyanine dyes-TiO₂ composites under visible region. **presented (Under Revision)** in Umm Al-Qura University, MakkahAl Mukarrama, Kingdom of Saudi Arabia

Workshops:





- 1- Approaches for Alternative/Complementary Fuels at Egyptian Petroleum Research Institute, Nasr City, Cairo, Egypt
- 4- Advanced Crud Oil Treatment and Petroleum Technical Support at Egyptian Petroleum Research Institute, Nasr City, Cairo, Egypt, Monday, 12 May, 2014

Scientific Communities:

- 1- Egyptian scientific community
- 2- American scientific community
- 3- Asian scientific community

Training courses:

- 1- Methods calendar
- 2- Active Learning
- 3- University Teaching Strategies
- 4- Create New Faculty Members
- 5- Strategies of Internet surfing
- 6- Statistics analysis by using SPSS program
- 7- Innovation and creativity are dealing with change for the effective management and Jaisalmer
- 8- The research team management
- 9- Preparation of competitive projects to fund research
- 10- EndNote Online training webinar
- 11- ResercherID.com training webinar
- 12- E-Learning For Learning And More
- 13- The basics of e-learning (Three times)
- 14- E-learning content and building environment (Three times)
- 15- Testing and Evaluation (Three times)
- 16- Manage electronic courses (Three times)
- 17- Virtual classroom (Three times)
- 18- How to prepare and formulate research proposals
- 19- Data Base (Science Finder)
- 20- Learning management system

Committees:

- 1- One of the members of training Committee and Scientific Research
- 2- One of the members of committee for quality assurance and accreditation administration and development
- 3- One of the members of committee laboratories, equipment, buildings and department orders and laboratory safety and security
- 4- Chairman of affairs committee of faculty members and their assistants

Computer Skills:

International Computer Driving Licence (ICDL), containing the following courses

- 1- Basic concepts of information technology
- 2- Using the computer and managing files
- 3- Word processing
- 4- Spread sheets
- 5- Data base
- 6- Presentation



7- Information and Communication

8- Chemdraw

9- Origin graphic

10-Photoshop

English Courses:

1-Local TOEFL test

2-International TOEFL test

Publications

1-Thiocarbamoyl in organic synthesis: Synthesis of Some New Arylazothiophene and Arylazopyrazole Derivatives.

Phosphorous, A. A. Fadda, E. Abdel-Latif, Rasha E. El-Mekawy, *Phosphorous, Sulfur, Silicon and related elements*. 183-8, 1940-1953, 2008

2-Synthesis and Molluscicidal activity of some new Thiophene, Thiadiazole and Pyrazole Derivatives. A. A. Fadda, E. Abdel-Latif, Rasha E. El-Mekawy, *European Journal of Medicinal Chemistry*. 44-3, 2223-5234, 2009

3- Synthesis of Some New Arylazothiophene and Arylazopyrazole Derivatives As Antitumor Agent. A. A. Fadda, E. Abdel-Latif, Rasha E. El-Mekawy, *Pharmacology & Pharmacy*.3, 148-157, 2012

4- Synthesis, Biological Evaluation and Molecular Modeling of Some New Arylazothiophene and Arylazopyrazole Derivatives. A. A. Fadda, Rasha E. El-Mekawy, 10th International Conference On Chemistry and its Role in Development (ICCRD) March 2009, Chemistry Department, Faculty of Science, Mansoura University, Mansoura, Egypt

5- Design, Synthesis and Pharmacological Screening of New porphyrin derivatives, A. A. Fadda,^a * Rasha E. El-Mekawy,^a A. I. El-Shafei,^b H. Freeman,^b David Hinks,^b and Manal El-Fedawy, *Journal of Chemistry* 2013(2013), pages 1-11.

6- Synthesis and Pharmacological Screening of Novel *meso*-substituted Porphyrin Analogs, A. A. Fadda,^a * Rasha E. El-Mekawy,^a A. I. El-Shafei,^b H. Freeman,^b *Journal of Archive der pharmazie*, 2013, 346, 53-61.

7- Utility of quaternary ammonium salts in synthesis of some novel cyanine dyes as potential antibacterial and antitumor agents. A. A. Fadda, Rasha E. El-Mekawy, *Dyes and Pigments*, 99 (2013) 512-519.

8- Convenient synthesis of highly functionalized novel phthalocyanines *via* disilazanes under mild condition. A. A. Fadda, Rasha E. El-Mekawy, *journal of macroheterocycles* (2014)

9- Desirable Synthetic Targets: Novel Synthetic Approach, Antiviral, Cytotoxicity and Antitumor Evaluations of A₄ type of Porphyrin Derivatives. *Accepted in J. of porphyrin and phthalocyanine* (2015).

10- Pilot study of new synthesized porphyrin derivative: Targeted photodynamic therapy to remove embryos of the rates, *journal of pharmaceutical research*, under publication (2015).

11- Combinatorial synthesis of pyridinium, quinolinium and isoquinolinium salts and their application as antimicrobial agent. A. A. Fadda, Rasha E. El-Mekawy, *under publication in Phosphorous, Sulfur, Silicon and related elements* (2015).

12- Desirable Synthetic Targets: Synthesis, Design, Antioxidant and Antitumor Evaluations of Some Novel Porphyrin derivatives. A. A. Fadda, Rasha E. El-Mekawy, 11th International Conference On Chemistry and its Role in Development (ICCRD) March 2013, Chemistry Department, Faculty of Science, Mansoura University, Mansoura, Egypt

13- Novel Synthetic Approach, Antioxidant and Antitumor Evaluations of A₄ type of Porphyrin Derivatives. A. A. Fadda, Rasha E. El-Mekawy, 11th International Conference On Chemistry and its Role in Development (ICCRD) March 2013, Chemistry Department, Faculty of Science, Mansoura University, Mansoura, Egypt

14- Aspects for thiocarbamoylation: Synthesis and pharmacological screening of novel thiophene, thiadiazole and pyrazole derivatives. **Rasha E. El-Mekawy** *Pharmacologia Journal*, 2013, 4(11), 590-600

15- Synthesis, reprecipitation method and pharmacological potency of free porphyrin based nanoparticles, Rasha E. El-Mekawy, Sraa Abu-Melha, *Int. J. of pharma and bioscience*, 2014, 5(4), 501-515





16- Utility of hydrazide in synthesis of some novel heterocyclic compounds and evaluation as antidepressant potency, **Rasha E. El-Mekawy**, *knowledge of research journal*, 2015, A2, 19-23

17- Some studies in cyanine dyes incorporating pyridine rings endowed with pharmaceutical potency, A. A. Fadda, Rasha E. El-Mekawy, *Dyes and Pigments* 118 (2015) 45-52.

18- Day by day developments in chemistry of emodins and their analogous. " in Lambert Academic Publishing (LAP), code **978-3-659-82720-4** online (2016)

II- Published Book:

1- "Novel dye sensitizers endowed with promising biological potency" in Lambert Academic Publishing (LAP), code 978-3-8383-8847 online

2- "Aspects for thiocarbonylation, antitumor and molluscicidal activity" in Lambert Academic Publishing (LAP), code 978-3-659-38207-9 online

3- Please, read in nanotechnology carefully, under publication

4- One of the authors of "principles organic chemistry" book in - Faculty of Science of Girls, King Khaled University, Abha, Saudi Arabia

5- " Chemistry of sultones from literature point of view" in Lambert Academic Publishing (LAP), code 978-3-659-69607-7 online (2015)





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Publications

Curriculum Vita

Name				Rabab Sharf Abdullah Jassas			
P.O. Box		City		Postal Code		Country	
497		Makkah		21926		Saudi Arabia	
Tel. No. (Office)		Telephone No. (Home)		Fax No.		Mobile No.	
		0125948889				0555561367	
E-mail (1)		Rabab-j@hotmail.com		E-mail (2)		rsjassas@uqu.edu.sa	
Academic Title		Assistant Professor		Others Titles (Specify)			
Institute/University		Country		College/Directorate		Department	
Umm al-Qura university		Saudi Arabia		Science		Chemistry	
Nationality		Date of Birth		Country of Birth			
Saudi		21/5/1979		Saudi Arabia			
Languages		Arabic		English			
Major field		Specialization field					
Chemistry		Organic Photochemistry					
PhD Thesis Title							
<i>Energy transference in some photochromic compounds</i>							
MSc Thesis Title							
<i>The photochromic performance of some Fulgides and bisimidazole derivatives in the presence of additives</i>							
Key words which describe your field		<ul style="list-style-type: none"> • Photochromic compounds • Organic synthesis of heterocyclic compounds as precursor for dyes. • Applications of organic materials into optics. 			<ul style="list-style-type: none"> • Fluorescence resonance energy transfer • Synthesis of novel photochromic and thermochromic systems. 		
Qualifications							
Degree		Date awarded		Institute/University		Country	
<i>Ph.D.</i>		(2014)		King AbdulAziz University		Saudi Arabia	
<i>M.Sc</i>		(2007)		King AbdulAziz University		Saudi Arabia	





B.Sc.	(2000)	Umm Al-Qurah University	Saudi Arabia
Work Experience			
Date: From - To	Position	Institute/University	Country
Scientific Activity			
<ul style="list-style-type: none"> • Site coordinator of the Faculty of Education. • Responsible of guidance and advise in the Department of Science and Math. • A member of the committee of Safety and Security. • A member of the committee of laboratories. • A member of the social committee. • A member of the committee of academic guidance. 			
Publications			
<ol style="list-style-type: none"> 1- Crystal structure of 1-benzoyl-3-(4-fluoro-phen-yl)thio-urea, Rabab Sharaf Jassas, Abdullah M. Asiri, Muhammad Nadeem Arshad, Mohie E. M. Zayeda and Ghulam Mustafac, Acta Cryst. (2014). E70, o1023–o1024. 2- Excitation Energy Transfer from Rhodamine 6G to Photochromic Fulgide, Rabab Sharf Jassas , Samy Abdullah El-Daly , Abdullah M. Asiri and Salman A Khan, Asian Journal of Chemistry; Vol. 26, No. 23 (2014), 8229-8233. 3- Synthesis of Some New Azoloazines with Potent Anti-inflammatory and Analgesic Activity. J. Heterocycl. Chem. (2016). doi:10.1002/jhet.2746. 4- Kinetics and Mechanism of Electron Transfer to Manganese(VII) by Fluorene and Its Halogenated Derivatives in Neutral Organic Medium. Modern Chemistry. Vol. 4, No. 4, 2016, pp. 38-44. doi: 10.11648/j.mc.20160404.11 5- A Comparative Kinetic and Mechanistic Study on the Oxidation Behaviour of Halogenated Fluorenes by Permanganate in Alkaline Medium. Science Journal of Chemistry. Vol. 4, No. 6, 2016, pp. 69-78. doi: 10.11648/j.sjc.20160406.11. 			





4

Publications

Curriculum Vita				
Name	Amerah Mohammed Alsoliemy			
P.O. Box	City	Postal Code	Country	
-	Makkah	21955	Saudi Arabia	
Tel. No. (Office)	Telephone No. (Home)	Fax No.	Mobile No.	
-	-	-	-	
E-mail (1)	amsolieme@uqu.edu.sa	E-mail (2)	-	
Academic Title	PhD	Others Titles (Specify)	-	
Institute/University	Country	College/Directorate	Department	
Umm Al-Qura University	Saudi Arabia	Applied Sciences	Chemistry	
Nationality	Date of Birth		Country of Birth	
Saudi Arabia	1399		Saudi	
Languages	Arabic	-	-	
Major field	Specialization field			
Chemistry	Organic Chemistry			
PhD Thesis Title				
Photophysical Studies of some Photochromic compounds in Polymeric Thin films				
MSc Thesis Title				
Photochromic Performance of some Fulgides and Spiopyrans in Polymeric thin films				
Key words which describe your field	Photochromism	Photocoloration	Photobleaching	Fatigue resistance
Qualifications				
Degree	Date awarded	Institute/University	Country	
B. Sc. Degree	1422	Umm al-Qura University	Saudi Arabia	
M. Sc. Degree	2007	Umm al-Qura University	Saudi Arabia	
Ph. D. Degree	2016	King Abdulaziz University	Saudi Arabia	
Work Experience				



Date: From - To	Position	Institute/University	Country
1425-1434	Teaching assistant	Umm al-Qura University	Saudi Arabia
1434-1438	lecturer	Umm al-Qura University	Saudi Arabia
1438	Assistant Professor	Umm al-Qura University	Saudi Arabia
Scientific Activity			
Publications			
<p>1-Photochromic properties of 1,3,3-trimethylspiro[indoline-2,3'-[3H]naphtho[2,1-b][1,4]oxazine] doped in PMMA and epoxy resin thin films ,Abdullah M. Asiri · Abood A. Bahajaj · Abdullah G. Al-Sehemi ·Amerah M. Alsoliemy , Arabian Journal of Chemistry 2(1):13–17 · June 2009</p> <p>2-Photochromic properties of 7',8'-dichloro-1,3,3-trimethylspiro[indoline-2,3'-[3H] benzo[b][1,4] oxazine] doped in PMMA and epoxy resin thin films . A. A. Bahajaj · A. M. Asiri · A. M. Alsoliemy · A. G. Al-Sehemi , Pigment and Resin Technology 38:353-358 · November 2009</p> <p>3-Photochromic Properties Of 6-Nitro-1',3',3'-Trimethylspiro-[2h-1-Benzopyran-2,2'-Indoline] Doped In Pmma And Epoxy Resin Thin Films Abood A. Bahajaj · Abdullah Mohamed Asiri · Amerah M. Alsoliemy · Abdullah G. Al-Sehemi , Mar 2009</p> <p>4- Photochromic properties of 1',3',3'-trimethyl-6-nitrospiro 2H-1-benzopyran-2,2'-indoline doped in PMMA and epoxy resin thin films A. A. Bahajaj · A. M. Asiri · A. M. Alsoliemy · A. G. Al-Sehemi , Pigment and Resin Technology 39(2):71-76 · January 2010</p>			





Staff Members of Inorganic Chemistry





16

Publications

Curriculum Vita			
Name	Mohamed Mayod Al-Gurashi		
P.O. Box	City	Postal Code	Country
673	Makkah	21955	Saudi Arabia
Tel. No. (Office)	Telephone No. (Home)	Fax No.	Mobile No.
		0125200263	0555518039
E-mail (1)	mmgurashi@gmail.com		E-mail (2)
Academic Title	Prof.Dr.	Others Titles (Specify)	
Institute/University	Country	College/Directorate	Department
Umm Al-Qura University	Saudi Arabia	Applied Sciences	Chemistry
Nationality		Date of Birth	Country of Birth
Saudi		1375 H	Saudi Arabia
Languages		Arabic	English
Major field		Specialization field	
Chemistry		Inorganic Chemistry	
PhD Thesis Title			
Reactions of some Satirically Hindered Organ Silicon Compounds			
MSc Thesis Title			

Key words which describe your field	Inorganic chemistry	Metal complexes	Organometallic compounds
Qualifications			
Degree	Date awarded	Institute/University	Country
B. Sc. Degree	1400 H	King AbdulazizUniversity	Saudi Arabia
Ph. D. Degree	1989	Sussex University	United Kingdom
Professor	1423 H	Umm Al-Qura University	Saudi Arabia
Work Experience			
Date: From - To	Position	Institute/University	Country
1400-1410 H	Demonstrator	Umm Al-Qura University	Saudi Arabia
1410-1416 H	Assistant Prof.	Umm Al-Qura University	Saudi Arabia



1416-1423 H	Associate Prof.	Umm Al-Qura University	Saudi Arabia
1423 H till now	Prof.	Umm Al-Qura University	Saudi Arabia
Scientific Activity			
<p>9. He has supervised and participated on carrying out a number of research projects.</p> <p>10. A referee and reviewer for promotion of a large number of staff members.</p> <p>11. A director for applied sciences center (two periods).</p> <p>12. He has discussed and supervised on a large number of Ph. D. students M. Sc. students (granted) in the areas of inorganic chemistry.</p> <p>13. A member in the committee of applied and engineering sciences research center (two periods).</p> <p>14. Participated in the meeting "Pure and Applied Chemistry"; El-YrmookUniversity.</p>			
Publications			
<p>1- Muhammad M. Al- Gurashi, Preparation and Characterization of Copper (II) Complexes with P-chloro-benzyltriphenylphosphonium chloride and methylene-bis (triphenylPhosphonium Bromide). <i>Ultra Science</i>, 12 (2000), 128-134.</p> <p>2- Muhammad M. Al-Gurashi, Transition Metal Complexes of some N-Phenyl, N' HeteroaromaticThiourea Derivatives. <i>International Journal</i>, 9 (1999), 53-58.</p> <p>3- M. M. Al- Gurashi, Electronic Spectra of Mixed Ligand complexes of Bis (Alkyl-dithiophosphato) Nickel (II) with O-Phenanthroline and 2,2-Bipyridine. <i>International Journal</i>, 8 (1997), 19-25.</p> <p>4- Muhammad M. Al- Qurashi, Hussein M. Ali., Anilinosilanes as thermo-oxidation stabilizers of the commercial Lubricating base oils. <i>Theromcheicaacta</i> 293 (1997), 185-190.</p> <p>5- Hussein M. Ali and Muhammad M. Al- Qurashi, Synthesis and Application of Some Dianilinosilanes, Bis (trmrthylsilyl) phenylenediamines and dialkylbenzo1,3,2-Diazasil-olines as antioxidants. <i>Phosphours, Sulfur and Silicon</i>, 134/135(1998), 521-529.</p> <p>6- Muhammad M. Al- Qurashi and Saud M. Katib, Kinetics of Non-Isothermal Decomposition of Mg(II) and Pb(II) Complexes with Phenylazo-8-Hydroxyquinolate. <i>International Journal</i> 8 (1997), 37-42.</p> <p>7- Muhammad M. Al- Qurashi and Aref A. M. Aly, Non-isothermal kinetic Study of the Mixed – Ligand Complexes of Bis (Dialkyldithiophosphato) Nickel (II). <i>BULL, FAC, SCI, ASSIUT UNIV.</i> 26 (1997), 1-10.</p> <p>8- Aref A. M. Aly and M. Al- Qurashi, Thermal Behavior of Nitroso-R-salt in Static Air, Nitrogen and Oxygen Atmospheres. <i>BULL, FAC, SCI, ASSIUT UNIV.</i>, 26 (1997) 39-47.</p> <p>9- Aref A. M. Aly and Muhammad M. Al-qurashi, Kinetic Analysis of the Theromal Decomposition Reactions of Dialkylthiophosphato Ni (II) Complexes. <i>BULL, FAC,SCI, ASSIUT UNIV.</i> 28(1999) 9-20.</p> <p>10- M. M. Al-Gurashi, Electrical conductivity of heat treated polyacrylonitrile and complexes of polyacrylonitrile with transition metal chlorides. <i>Polish Journal of Chemistry</i>, 75 (2001), 689-698.</p> <p>11- M. M. Al-Gurashi, Mixed Ligand Complexes of f(III), Co (II), Ni (II) and (Cu (II) with 3-Acetyly-4-hydroxy-6-methyl-2-pyrone and 1,2,3-Thiadzole-2,5- dithiol. <i>Chemical Paper</i>, 55 (2001) 27-31.</p> <p>12- M. A. M. Al-Gurashi, A. A. B. El-Ahmadi, S. M. A. Katib, K. M. Abd El-Salaam, Thermal decomposition of nicotinate complexes of cobalt and nickel in dynamic nitrogen atmosphere. <i>Journal of thermal analysis</i>, 41 (1994),</p>			





859-870.

- 13- M.A.M.R. Al-gurashi, C. Eaborn, Paul D. Lickis, 1,3-Migration of triorganosilyl group from carbon to oxygen in highly crowded organosilanes, *J. Organomet. Chem.*, 393 (1990), 27-32.
- 14- M. Al-gurashi, S.A. Ibrahim, Transition Metal Complexes of Hydroxamic Acid Mixed Ligand complexes As Anti Microbial Agents. *Umm Alqura University Press. ISBN:9960-03-588-3.*
- 15- M.A.M.R. Al-gurashi, G. Adefikayo, C. Eaborn, Paul D. Lickis, Rate of solvolysis of the compounds (Me₂Si)(PhMeSi)C-SiMe₂X) and Mechanistic implications. *J. Organomet. chem.*, 499 (1995), 57-62.
- 16- M.A.M.R. Al-gurashi, C. Eaborn. et.al. Anchemiric Assitanance and the reactons of the crowded organosilicon iodide (Me₂Si)(PhMeSi)C-(SiMe₂I) with electrophiles. (1995) *Bulletin De la Societe Chimique De France*, 132 (1995) 517-521.





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Publications

Curriculum Vita				
Name	Abdalla Mohamed Khedr			
P.O. Box	City	Postal Code	Country	
673	Makkah	21955	Saudi Arabia	
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Academic Title	Prof.	Others Titles (Specify)		
Institute/University	Country	College/Directorate	Department	
Umm Al-Qura University	Saudi Arabia	Applied Sciences	Chemistry	
Nationality		Date of Birth	Country of Birth	
Egyptian		12 - 1 - 1971	Egypt	
Languages		Arabic	English	
Major field		Specialization field		
Chemistry		Inorganic Chemistry		
PhD Thesis Title				
Spectrophotometric and Analytical Studies for Determination of some Metal Ions by Complexation with some Organic Compounds				
MSc Thesis Title				
Physico-Chemical and Analytical Studies on some Complexes of some Ligands Containing Nitrogen and Oxygen				
Key words which describe your field	Inorganic chemistry	Metal complexes	Spectral studies	Biological activity
Qualifications				
Degree	Date awarded	Institute/University	Country	
B. Sc. Degree	1993	Tanta University	Egypt	
M. Sc. Degree	1997	Tanta University	Egypt	
Ph. D. Degree	2000	Tanta University	Egypt	
Professor	2012	Tanta University	Egypt	
Work Experience				
Date: From - To	Position	Institute/University	Country	
1993-1997	Demonstrator	Tanta University	Egypt	



1997-2000	Assistant Lecturer	Tanta University	Egypt
2000-2007	Assistant Prof.	Tanta University	Egypt
2007-2012	Associate Prof.	Tanta University	Egypt
2012 till now	Prof.	Umm Al-Qura University	Saudi Arabia
Scientific Activity			
<p>30. He has supervised on five (5) Ph. D. students (granted) and three (3) M. Sc. students (granted) and still supervising on three (3) M. Sc. students (under complete work) in the areas of inorganic, physical and analytical chemistry.</p> <p>31. Associate Editor for the international journal "Global Journal of Inorganic Chemistry" since May 14, 2010.</p> <p>32. A referee and reviewer for the Journal of Coordination Chemistry.</p> <p>33. Journal's Editorial Board member, referee and reviewer for the African Journal of Pure and Applied Chemistry (www.academicjournals.org/AJPAC).</p> <p>34. Editorial Board members for the international journal "Global Journal of Analytical Chemistry" since May 14, 2010.</p> <p>35. Participated in the meeting "History and Philosophy of Sciences as a Base for modern Development"; Faculty of Science - Tanta University, 3/5/2005.</p> <p>36. Participated and presented a paper in the Seventh International Symposium on New Trends in Chemistry "Analytical Chemistry for a Better Life". Cairo University, Faculty of Science, Cairo, 21-24/1/ 2006.</p> <p>37. Participated and presented a paper in the Eighth International Symposium on NEW TRENDS IN CHEMISTRY and Second Congress of the Federation of African Societies of Chemistry (FASC) "Chemistry and National Development" Cairo University, Faculty of Science, Cairo, 3-7/1/2009.</p> <p>38. Participated and presented a paper in the Second International Conference for Enhancing Scientific Research: Innovation & Development, 4-5 March 2009, Tanta University, Tanta, Egypt.</p> <p>39. Participated and presented a paper in the Seventh International Scientific Conference "Environment, Development, and Nanotechnology", Faculty of Science, Al-Azhar University, 22-24 March 2010, Cairo, Egypt.</p> <p>40. Participated in the meeting "Laboratory Notebook Policy"; Tanta University, 15/3/2011.</p> <p>41. Participated in the meeting "Scientific Research Ethics"; Tanta University, 11/4/2012.</p> <p>42. Participated in the Third International Conference for Enhancing Scientific Research: Research Projects and their Outcomes, 18-19 November 2012, Tanta University, Tanta, Egypt.</p>			
Publications			
<p>1- Spectrophotometric determination of scandium, yttrium and lanthanum using some triazole azo dyes. Raafat M. Issa; Mohamed Gaber; Abdalla M. Khedr, <i>Egyptian Journal of Analytical Chemistry</i>, 10, 23-32 (2001).</p> <p>2- Binuclear mixed metal complexes of V(IV), Mo(III) and U(VI) <i>o</i>-cresol-phthalein complexonates with other metal ions. Raafat M. Issa; Abdalla M. Khedr; Amany Tawfik, <i>Synthesis and Reactivity of Inorganic and Metal Organic Chemistry</i>, 34 (6), 1087-1104 (2004).</p> <p>3- Mononuclear and homobinuclear vanadium(IV), chromium(III), molybdenum(III) and uranium(VI) chelates with <i>ortho</i>-cresolphthaleine complexone. Tarek M. Ismail; Abdalla M. Khedr; Samy M. Abu-El-Wafa; Raafat M. Issa, <i>Journal of Coordination Chemistry</i>, 57 (14), 1179-1190 (2004).</p> <p>4- Spectrophotometric determination of iron in different samples using some azo dyes derivatives of 3-amino-1,2,4-triazole. Abdalla M. Khedr, <i>Egyptian Journal of Analytical Chemistry</i>, 14, 100-116 (2005).</p> <p>5- Spectrophotometric studies of the reaction of zinc(II) with some azo-triazole compounds and its application to the</p>			



- spectrophotometric determination of micro-amounts of zinc(II). **Abdalla M. Khedr**; Mohamed Gaber, *Spectroscopy Letters*, **38** (4-5), 431-445 (2005).
- 6- UV/Vis, IR and ^1H NMR spectroscopic studies of some Schiff bases derivatives of 4-aminoantipyrine. Raafat M. Issa; **Abdalla M. Khedr**; Helen Rizk, *Spectrochimica Acta Part A*, **62** (1-3), 621-629 (2005).
- 7- Synthesis and spectral studies of 5-[3-(1,2,4-triazolyl-azo)-2,4-dihydroxybenzal-dehyde (TA) and its Schiff bases with 1,3-diaminopropane (TAAP) and 1,6-diamino-hexane (TAAH). Their analytical application for spectrophotometric microdetermination of cobalt(II). Application in some radiochemical studies. **Abdalla M. Khedr**; Mohamed Gaber; Raafat M. Issa; Hasn Erten, *Dyes and Pigments*, **67** (2), 117-126 (2005).
- 8- Stereochemistry of new nitrogen containing heterocyclic compounds. XIV. Potentiometric and thermodynamic studies of azo 8-hydroxyquinolines and their metal complexes. **Abdalla M. Khedr**; Ashrf A. El-Bindary; Abdalla M. Abd El-Gawad, *Chemical Papers*, **59** (5), 336-342 (2005).
- 9- Spectrophotometric determination of nickel(II) in different samples by complexation with some triazolyl-azodyes. **Abdalla M. Khedr**, *Chemical Papers*, **60** (2), 138-142 (2006).
- 10- Preparation and characterization of platinum(IV)- N_2O_2 -Schiff base complexes. Their catalytic and biological activities. **Abdalla M. Khedr**; Abdelmottelb. M. Ramadan, *Egyptian Journal of Analytical Chemistry*, **15**, 40-49 (2006).
- 11- Spectrophotometric studies of the reaction of $\text{ZrO}(\text{II})$ and $\text{UO}_2(\text{II})$ with some triazole azodyes and its analytical application. Mohamed Gaber; Amara M. Hassanien; Ahmed F. Rehab; **Abdalla M. Khedr**, *Egyptian Journal of Chemistry*, **49**, 431-440 (2006).
- 12- Investigation of 3-amino-1,2,4-triazole azodye derivatives as reagents for determination of mercury(II). **Abdalla M. Khedr**, *Chemical Papers*, **62** (6), 541-546 (2008).
- 13- ^1H NMR, IR and UV/VIS spectroscopic studies of some Schiff bases derived from 2-aminobenzothiazole and 2-amino-3-hydroxypyridine. Raafat M. Issa; **Abdalla M. Khedr**; Helen Rizk, *Journal of the Chinese Chemical Society*, **55** (4), 875-884 (2008).
- 14- Spectrophotometric studies of the reaction between 3-(2-hydroxy-4 and 5-substituted-1-phenylazo)-1,2,4-triazoles and manganese(II) and its applications for microdetermination of manganese(II) in real samples. **Abdalla M. Khedr**; Mohamed Gaber, *Inorganic Chemistry (Ind. J.)*, **3**, (3), 175-181 (2008).
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- 16- Spectroscopic investigation of cobalt(II) complexes with some triazole azo dyes for microdetermination of cobalt(II) in pharmaceutical products. **Abdalla M. Khedr**, *Chemical Analysis (Warsaw)*, **54**, 783-793 (2009).
- 17- Egyptian rice straw application for useful products throughout chemical treatments. Raafat M. Issa; Morsy M. Abou-Sekkina; Alam Eldein M. Bastawisy; **Abdalla M. Khedr**; Wael A. El-Helece, *Environmental Science (Ind. J.)*, **4** (6), 530-536 (2009).
- 18- Spectrophotometric and thermal studies of $\text{Cu}(\text{II})$ -complexes with 3-amino-triazole azo compounds. Mohamed Gaber; Amara M. Hassanien; Ahmed F. Rehab; **Abdalla M. Khedr**, *Egyptian Journal of Chemistry*, **52** (1), 15-27 (2009).
- 19- Synthesis, spectroscopic, and thermal analyses of trinuclear $\text{Mn}(\text{II})$, $\text{Co}(\text{II})$, $\text{Ni}(\text{II})$, and $\text{Zn}(\text{II})$ complexes with some sulfa derivatives. **Abdalla M. Khedr**; Doaa F. Draz, *Journal of Coordination Chemistry*, **63** (8), 1418-1429 (2010).
- 20- Synthesis, spectral and thermal analyses of novel bi- and polyhomonuclear complexes of pyrimidine bisazo-dianil derivatives. Nadia A. El-Wakiel; **Abdalla M. Khedr**; Ramadan A. Mansour, *Chinese Journal of Chemistry*, **28** (3), 463-470 (2010).



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- 22- Exploration on industrial production and thermo-chemical properties of Egyptian rice straw cellulose pulps and xanthates. Wael A. El-Helece; Raafat M. Issa; Morsy M. Abou-Sekkina; **Abdalla M. Khedr**; Alam Eldein M. Bastawisy, *In proceeding of: 2nd International Conference on Chemical Engineering and Advanced Materials*; 15 ,**01/2010** (Naples).
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- 24- Rapid and simple spectrophotometric determination of Mn(II), Fe(III), Co(II), Ni(II) and Cu(II) ions in natural samples using 2-(2-hydroxynaphth-1-ylazo)-pyridine. **Abdalla M. Khedr**; Raafat M. Issa; Maged A. El-Kemary; Redda B. Hasn, *Egyptian Journal of Chemistry*, **53** (6), 885-902 (2010).
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- 28- Spectrophotometric determination of trace Mn(II), Fe(III), Co(II), Ni(II) and Cu(II) in rice grains based on 2-(2,4-dihydroxyphen-1-ylazo)-thiazole. **Abdalla M. Khedr**; Raafat M. Issa; Maged A. El-Kamry; Redda B. Hasn, *Global Journal of Analytical Chemistry*, **2** (4), 187-197 (2011).
- 29- New treatment of the black liquor produced from pulping of rice straw. Raafat M. Issa; Morsi M. Abou-Sekkina; Alam El-Deen M. Bastawisy; **Abdalla M. Khedr**; Wael A. El-Helece, *Elixir Chemical Physics*, **33**, 2276-2278 (2011).
- 30- Microwave assisted synthesis and characterization of semicarbazones, Sudha Jadon; **Abdalla M. Khedr**; Sanjeev Kumar; Sneha Yadav; Vipin Kumar; Kishan C. Gupta, *Asian Journal of Chemistry*, **23** (9), 4209-4211 (2011).
- 31- New and sensitive spectrophotometric method for determination of xipamide in pure and dosage forms by complexation with Fe(III), Cu(II), La(III), UO₂(II), Th(IV) and ZrO(II) ions. Mohamed Gaber; **Abdalla M. Khedr**; Ahmed S. El-Kady, *International Research Journal of Pharmacy and Pharmacology*, **1** (9), 215-220 (2011).
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- 34- Determination of benzalkonium chloride preservative in pharmaceutical formulation of eye and ear drops using new potentiometric sensors. M. Gaber; Hazem M. Abu Shawish; **Abdalla M. Khedr**; Khalid I. Abed-Almonem, *Materials Science and Engineering C*, **32** (8), 2299-2305 (2012).
- 35- Comparative study of commercial oxide electrodes performance in electrochemical degradation of Reactive Orange 7 dye in aqueous solutions. Nasser Abu Ghalwa; M. Gaber; **Abdalla M. Khedr**; Munther F. Salem, *International*



- Journal of Electrochemical Science*, **7**(7), 6044-6058 (2012).
- 36-Determination of the efficiency of different modified electrodes in electrochemical degradation of Reactive Red 24 dyes in wastewater dyestuff solutions. **Abdalla M. Khedr**; Nasser Abu Ghalwa; Munther F. Salem; M. Gaber, *International Journal of Electrochemical Science*, **7**(9), 8779-8793 (2012).
- 37-Electrochemical degradation of Reactive Black 5 dye in aqueous solution using C/PbO₂, Pb+Sn/PbO₂+SnO₂ and Pb/PbO₂ electrodes. Nasser Abu Ghalwa; M. Gaber; **Abdalla M. Khedr**; Munther F. Salem, *Global Journal of Environmental Science and Technology*, **2**, 15 (2012).
- 38- Spectrophotometric determination of norfloxacin in pure and dosage forms by complexation with Fe(III) and Cu(II) ions. Mohamed Gaber; **Abdalla M. Khedr**; Ahmed S. El-Kady, *International Research Journal of Pharmacy and Pharmacology*, **2** (5), 97-110 (2012).
- 39-Synthesis, spectral, thermal analyses and molecular modeling of bioactive Cu(II)-complexes with 1,3,4-thiadiazole Schiff base derivatives. Their catalytic effect on the cathodic reduction of oxygen. **Abdalla M. Khedr**; Hadi M. Marwani, *International Journal of Electrochemical Science*, **7**(10), 10074-10093 (2012).
- 40- A facile microwave assisted synthesis and spectral analysis of 2-amino-5-substituted phenyl-1,3,4-oxadiazoles. Sanjeev Kumar; Sneha Yadav; Sudha Jadon; Vipin Kumar; **Abdalla M. Khedr**; Kishan C. Gupta, *Oriental Journal of Chemistry*, **28**(4), 1845-1848 (2012).
- 41-A comparative study of solid and liquid inner contact benzalkonium chloride ion-selective electrode membranes. Hazem M. Abu Shawish; **Abdalla M. Khedr**; Khalid I. Abed-Almonem; M. Gaber, *Talanta*, **101**, 211–219 (2012).
- 42- Synthesis, structure and electrochemistry of Sm-modified LiMn₂O₄ cathode materials for lithium-ion batteries. **Abdalla M. Khedr**; Morsi M. Abou-Sekkina; Fouad G. El-Metwaly, *Journal of Electronic Materials*, **42**(6), 1275–1281 (2013).
- 43-Synthesis, characterization and effect of γ -ray on rare-earth Tb³⁺ doped nano lithium manganates (LiMn_{2-x}Tb_xO₄). Morsi M. Abou-Sekkina; **Abdalla M. Khedr**; Fouad G. El-Metwaly, *Chemistry and Materials Research*, **3**(4), 15–25 (2013).
- 44-Some trace elements' level in alopecia areata. Amal A. El-Ashmawy; **Abdalla M. Khedr**; Abdu-Allah M. Kato; Nesreen F. Sallam, *Egyptian Dermatology Online Journal*, **9** (1), 1–14 (2013).
- 45-Electrochemical degradation of Reactive Yellow160 dye in real wastewater using C/PbO₂, Pb+Sn/PbO₂+SnO₂ and Pb/PbO₂ modified electrodes. M. Gaber; Nasser Abu Ghalwa; **Abdalla M. Khedr**; Munther F. Salem, *Journal of Chemistry*, **2013**, 1-9 (2013).
- 46- Potentiometric determination of alkyl dimethyl hydroxyethyl ammonium surfactant by a new chemically modified carbon past electrode. **Abdalla M. Khedr**; Hazem M. Abu Shawish; Khalid I. Abed-Almonem; M. Gaber, *Journal of Surfactants and Detergents*, **17** (1), 183–190 (2014).
- 47- Synthesis, characterization, DC-electrical conductivity and γ -ray effect on Ag¹⁺, Y³⁺ double doped nano lithium manganates (LiMn_{2-2x}Ag_xY_xO₄) for rechargeable batteries. Morsi M. Abou-Sekkina; Fawaz A. Saad ; Fouad G. El-Metwaly; **Abdalla M. Khedr**, *Materials Science-Poland*, **32**(3), 315-323 (2014).
- 48- Nanomolar detection of alkyl dimethyl hydroxyethyl ammonium surfactant by a lipophile-doped solid contact electrode. Hazem M. Abu Shawish; M. Gaber; **Abdalla M. Khedr**; Khalid I. Abed-Almonem, *Journal of Environmental Analytical Chemistry*, **1** (1), 1-6 (2014).
- 49- Synthesis, characterization and antimicrobial efficiency of some zirconyl(II) complexes involving the O, N-donor environment of triazole-based azodyes. **Abdalla M. Khedr**; Mohamed Gaber; Khalil M. Saad-allah, *Chinese Journal of Inorganic Chemistry*, **30** (5), 1201-1211 (2014).
- 50- Synthesis, effect of γ -ray and electrical conductivity of uranium doped nano LiMn₂O₄ spinels for applications as



- positive electrodes in Li-ion rechargeable batteries. Fouad G. El-Metwaly; Morsi M. Abou-Sekkina; Fawaz A. Saad; **Abdalla M. Khedr**, *Materials Science-Poland*, **32**(4), 571-577 (2014).
- 51- Synthesis, stability and DC-electrical conductivity of vanadium and chromium dual doped LiMn_2O_4 spinals as cathode material for use in lithium rechargeable batteries. Fawaz A. Saad; Morsi M. Abou-Sekkina; **Abdalla M. Khedr**; Fouad G. El-Metwaly, *International Journal of Electrochemical Science*, **9**(7), 3904-3916 (2014).
- 52- Synthesis, structural characterization and antimicrobial efficiency of sulfadiazine azomethine dyes and their bi-homonuclear uranyl complexes for chemotherapeutic use. **Abdalla M. Khedr**; Fawaz A. Saad, **Turkish Journal of Chemistry**, **39** (2), 267–280 (2015).
- 53-Structure elucidation, protein profile and the antitumor effect of the biological active substance extracted from sea cucumber *Holothuria polii*. Nahla E.E. Omran; **Abdalla M. Khedr**, *Toxicology and Industrial Health*, **31** (1), 1–8 (2015).
- 54- Azo-azomethine ligands with N_2O_2 donor atom sets and their binuclear $\text{UO}_2(\text{II})$ complexes: Synthesis, characterization and biological activity. Fawaz A. Saad; **Abdalla M. Khedr**, **Bulgarian Chemical Communications**, **47**, 654–663 (2015).
- 55- Elaborated spectral analysis and modeling calculations on $\text{Co}(\text{II})$, $\text{Ni}(\text{II})$, $\text{Cu}(\text{II})$, $\text{Pd}(\text{II})$, $\text{Pt}(\text{II})$, and $\text{Pt}(\text{IV})$ nanoparticles complexes with simple thiourea derivative. Gamil A.A. Al-Hazmia; Adel A. El-Zahhar; Khlood S. Abou-Melha; Fawaz A. Saad; Mohamed H. Abdel-Rhman; **Abdalla M. Khedr**; Nashwa M. El-Metwaly, **Journal of Coordination Chemistry**, **68**(6), 993-1009 (2015).
- 56- Submicromolar determination of praepagen HY surfactant using new liquid inner contact electrodes. Khalid I. Abed Almonem; Hazem M. Abu Shawish; **Abdalla M. Khedr**; Salman M. Saadeh; M. Gaber, **Journal of Molecular Liquids**, **220**, 454-458 (2016).
- 57- Trace the exploitation of Egyptian rice straw through spectral and thermal measurements. Raafat M. Issa; Morsi M. Abou-Sekkina; **Abdalla M. Khedr**; Alam El-Deen M. Bastawisy; Wael A. El-Helece, *Arabian Journal of Chemistry*, **9**, S130-S137 (2016).
- 58- Elaborated studies on Nano-sized homo-binuclear $\text{Mn}(\text{II})$, $\text{Fe}(\text{III})$, $\text{Co}(\text{II})$, $\text{Ni}(\text{II})$ and $\text{Cu}(\text{II})$ complexes derived from N_2O_2 Schiff base, thermal, molecular modeling, drug-likeness and spectral. Reem K. Shah; Khlood S. Abou-Melha; Fawaz A. Saad, Tarek Yousef; Gamil A.A. Al- Hazmi; Marwa G. Elghalban; Abdalla M. Khedr; Nashwa El-Metwaly, **Journal of Thermal Analysis and Calorimetry**, **123**(1), 731-743 (2016).
- 59- Density functional theory/B3LYP study of nanometric 4-(2,4-dihydroxy-5-formyl phen-1-ylazo)-N-(4-methylpyrimidin-2-yl) benzenesulfonamide complexes: Quantitative structure–activity relationship, docking, spectral and biological investigations. Fawaz A. Saad; Marwa G. Elghalban; Nashwa El-Metwaly; Hoda El-Ghamry; **Abdalla M. Khedr**, **Applied Organometallic Chemistry**, **2017**; ec3721. doi: 10.1002/aoc.3721.
- 60- Solid state synthesis, fast and thermal neutrons irradiations effects, DC-electrical conductivity of La^{3+} , Zr^{4+} double doped Nano lithium manganates for applications in Li-ion batteries. **Abdalla M. Khedr**; Fouad G. El-Metwaly; Morsi M. Abou-Sekkina, **Journal of Molecular Liquids**, **225**, 863-868 (2017).
- 61- Greener solid state synthesis of nano-sized mono and homo bi-nuclear $\text{Ni}(\text{II})$, $\text{Co}(\text{II})$, $\text{Mn}(\text{II})$, $\text{Hg}(\text{II})$, $\text{Cd}(\text{II})$ and $\text{Zn}(\text{II})$ complexes with new sulfa ligand as a potential antitumour and antimicrobial agents. Fawaz A. Saad; **Abdalla M. Khedr**, **Journal of Molecular Liquids**, Accepted February 3, 2017 (DOI: 10.1016/j.molliq.2017.02.046).





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Publications

Curriculum Vita			
Name	Nashwa Mahmoud El-Metwaly		
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----	Makah	----	
Tel. No. (Office)	Telephone No. (Home)	Fax No.	Mobile No.
----	-----	----	0538553123
E-mail (1)	n_elmetwaly00@yahoo.com	E-mail (2)	nmmohamed@uqu.edu.sa
Academic Title	Professor of inorganic chemistry	Others Titles (Specify)	Professor of inorganic chemistry
Institute/University	Country	College/Directorate	Department
Umm Al-Qura	Saudi Arabia	Faculty of Science Mansoura University	Chemistry Department
Nationality		Date of Birth	Country of Birth
Egyptian		2/ 12/ 1970	Egypt
Languages	Excellent English language		
Major field		Specialization field	
Chemistry		Inorganic chemistry	
PhD Thesis Title			
<i>Separation and characterization of some thiosemicarbazide complexes and their analytical applications</i>			
MSc Thesis Title			
<i>Comparative study for selective separation of Magnesium ion from sea water brine and Olivine</i>			
Key words which describe your field	Spectroscopic studies	Coordination chemistry Using synthesized ligand or drugs	Nanotechnology, catalytic application, antitumor studies
Qualifications			
Degree	Date awarded	Institute/University	Country
B.Sc	1991 / May	Faculty of science, Mansoura University	Egypt
Master	1994/ 10	Faculty of science, Mansoura University	Egypt



PhD	2002	Faculty of science, Mansoura University	Egypt
Work Experience			
Date: From - To	Position	Institute/University	Country
17/11/1991 - 26/10/1994	Demonstrator	Faculty of science, Mansoura University	Egypt
27/10/1994 - 19/1/2003	Assistant lecturer(called lecturer)	Faculty of science, Mansoura University	Egypt
22/8/1996- 12/7/1999	Lecturer	Faculty of science, Al-qassem University	Saudi Arabia
20/1/2003-29/2/2008	Assistant professor	Faculty of science, Mansoura University	Egypt
10/2006 - 6/2014	Assistant professor	Faculty of science, King Khaled University, Abha	Saudi Arabia
30/2/2008-1/1/2013	Associate professor	Faculty of science, Mansoura University	Egypt
1/1/2013 till now	Professor	Faculty of science, Mansoura University	Egypt
23/8/2014 till now	Professor	Faculty of science, Umm Al-Qura University	Saudi Arabia
Scientific Activity			
<p>1- Teaching all the inorganic chemistry courses for undergraduate students and post-graduate students</p> <p>2-Supervisor on master degree thesis titled with " The catalytic activity of some acetyl monoxime complexes."</p> <p>3- I have an international toefel certificate by 196 which equal to 563 degree</p> <p>4- I having 12 training courses as a qualification for associate professor and professor performance.</p> <p>5- I have ICDL certificate since 2005 , after finishing 7 testes, also I have a certificate for the attendance of all computer courses of ICDL .</p> <p>6- I was one of the judger in the talent center in Aseer Abha till five years</p> <p>7- Projects:</p> <p>1- A CO- I replace the PI of a project with my supervisor in Mansoura University Egypt ended at 2006</p> <p>2- A CO- I replace the PI of a project in King Khaled university, with Dr. Gamil Abd- allah Morshed, at 1432 H, tilted with "The synthesis and spectral characterization for thiosemicarbazide derivative and its complexes with some transition metals in concern in the biological activity" and ended at 1434 H</p> <p>3- A CO- I replace the PI of a project in KASCT city titled with " Synthesis and characterization of new nano-sized selenium compounds to further use as antioxidants drugs" accepted at 18/10/2015.</p>			
Publications			
<p>1) Comparative study of selective separation of Mg(II) from brine and seawater. M. A. Kabil, S. E. Ghazy, A. M. Abeidu and N.M.EI-Metwally <i>Sep. Sci. Technol</i>, 30(20), 3787-3799 (1995).</p> <p>2) Selective separation of Mg(II) from Olivine mineral. S. E. Ghazy, M. A. Kabil, A. M. Abeidu and N.M.EI-Metwally</p>			



- Sep. Sci. Technol*, 31(6), 829-838 (1996)
- 3) Physical and spectroscopic studies on novel vanadyl complexes of some substituted thiosemicarbazides.
N.M.El-Metwally, R.M. El-Shazly, I. Gabr and A. A. El-Asmy
Spectrochimica Acta A, 61(6), 1113, (2005).
- 4) Synthesis and spectroscopic characterization of new mono- and binuclear complexes of some NH(1) thiosemicarbazides
N.M. EL-Metwally, I. M. Gabr, A. M. Shallaby and A. A. EL-Asmy
J. Coord. Chem., 58(13) 1154, (2005).
- 5) Chelation and analytical application of thiosemicarbazides toward platinum(IV) ions
Ahmed A. El- Asmy, Nashwa M. El-Metwally* and G. A. El- Hazmi
Trans. Met. Chem. J., 31, 680, (2006).
- 6) Spectral, magnetic, thermal and electrochemical studies on phthaloyl bis(thiosemicarbazide) complexes
A. A. Abou-Hussen, N. M. EI-Metwally, I. M. Saad and A. A. El-Asmy
J. Coord. Chem., 58(18), 1735, (2005).
- 7) Spectral, magnetic, electrical and thermal studies on malonyl bis(thiosemicarbazide) complexes
N. M. El-Metwally, I. M. Gabr, A.A. Abou-Hussen and A. A. El-Asmy
Transition Met. Chem., 31, 71 - 78 (2006).
- 8) Synthesis and spectroscopic characterization of oxalyl bis(diacetylmonoxime) hydrazone metal complexes
N. M. El-Metwally, A.A. Abou-Hussen and A. A. El-Asmy
IJPAC, 1(1), 75 – 81 (2006).
- 9) Chelating activity of bis(diacetylmonoxime) thiocarbohydrazone towards VO^{+2} , Co(II), Ni(II), Cu(II) and Pt(IV) ions.
Nashwa M. El- Metwally and A. A. El- Asmy
J. Coord. Chem. , 59, 1591(2006).
- 10) Spectral and biological investigation of 5- hydroxyl-3- oxopyrazoline -1- carbothiohydrazone and its transition metal complexes .
Nashwa M. El- Metwaly
Transition Met. Chem. 32, 88 – 94 (2007).
- 11) Perchlorate mixed-ligand copper(II) complexes of β -diketone and ethylenediamine derivatives: Thermal, spectroscopic and biochemical studies.
Usama El-Ayaan, Nashwa M. El-Metwally, Magdy M. Youssef , Serry A. A. El- Bialy
Spectrochimica Acta Part A 68, 1278–1286 (2007)
- 12) Synthesis, spectral characterization and eukaryotic DNA degradation of thiosemicarbazones and their platinum(IV) complexes.
G. A. El- Hazmi, N. M. El- Metwally, O. A. Al- Gamal, A. A. El- Asmy, *Spectrochimica Acta Part A* 69 (2008) 56–61
- 13) Synthesis and spectral characterization for some investigated binuclear thiocarbohydrazone complexes with illustrated EPR study for d^1 complexes
Nashwa M. El- Metwally* and khlood S. Abu-Melha
Transition Met. Chem ,32(6) 828-834(2007).
- 14) Spectral and thermal studies for some transition metal complexes of bis (benzylthiocarbohydrazone) focusing on EPR study for Cu(II) and VO^{+2}
Khlood S. Abou – Melha and Nashwa M. El- Metwally*
Spectrochimica Acta Part A 70 (2008) 277–283



- 15) Synthesis, spectral characterization and eukaryotic DNA degradation of thiosemicarbazones and their platinum(IV) complexes.
G. A. El- Hazmi, N. M. El- Metwally*, O. A. Al- Gamal, A. A. El- Asmy
Spectrochimica Acta Part A, 69 (2008) 56–61
- 16) Spectroscopic, magnetic and thermal studies on complexes of Cu(II) and VO²⁺ with diacetylmonoxime derivatives: new method for extraction of Cu(II)
A. A. El-Asmy, I. M. Gabr and N. M. El-Metwally
Journal of Coordination Chemistry, Vol. 61, No. 22, , 3620–3633, 20 November (2008)
- 17) Investigation of charge transfer complexes formed between 3,3'-dimethylbenzidine (*o*-toluidine) donor and DDQ, *p*-chloranil and TCNQ as π -acceptors
REFAT Moamen S. & El-METWALLY Nashwa M.
Chinese Science Bulletin, July 2011 Vol.56 No.19: 1993–2000 doi: 10.1007/s11434-011-4525-9
- 18) Spectral, thermal, kinetic, molecular modeling and eukaryotic DNA degradation studies for a new series of albenzazole (HABZ) complexes
Nashwa M. El-Metwaly * and Moamen S. Refat
Spectrochimica Acta Part A 78 (2011) 196–204
- 19) Ligational behavior of 5,5-diethylbarbituric acid sodium salt (HL) towards Mg, Ca, Sr, Ba(II), spectral, thermal and biological studies
Moamen S. Refat and Nashwa M. El-Metwaly*
Journal of Molecular Structure 988 (2011) 111–118
- 20) Spectroscopic and fluorescence studies on Mn(II), Co(II), Ni(II) and Cu(II) complexes with NO donor fluorescence dyes
Moamen S. Refat and Nashwa M. El-Metwaly*
Spectrochimica Acta Part A 81 (2011) 215– 227
- 21) Elaborated ¹H NMR study for the ligational behavior of two thiosemicarbazide derivatives towards some heavy metals (Sn(II), Sb(III), Pb(II) and Bi(III)), thermal, antibacterial and antifungal studies
Nashwa M. El-Metwaly* and Moamen S. Refat
Spectrochimica Acta Part A 81 (2011) 519– 528
- 22) Spectral, thermal and biological studies of Mn(II) and Cu(II) complexes with two thiosemicarbazide derivatives
Moamen S. Refat and Nashwa M. El – Metwaly*
Spectrochimica Acta Part A 92 (2012) 336– 346
- 23) Synthesis a new series of methenamine complexes with some different metal ions: Spectral, thermal and biological investigations
NASHWA M. El – METWALY* and MOAMEN S. REFAT
Life Science Journal 2012;9(2)
- 24) Spectral and Biological investigation for Cr(III), Mn(II), Co(II), Ni(II), Cu(II), Zn(II) and Cd(II) complexes with optically active compound
Nashwa M. El – Metwally
Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry, 44(4),2014,469
- 25) Spectroscopic evaluation for VO(II), Ni(II), Pd(II) and Cu(II) complexes derived from thiosemicarbazide ; A special emphasis on EPR study and DNA cleavage





- Nashwa M. El- Metwaly* and Gamil A.A. Al-Hazmi
Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 107 (2013) 289–295
- 26) Cd(II), Co(II), Cu(II), Fe(III), Hg(II), Mn(II), Ni(II) and UO₂(II) complexes of 4-formyl pyridine 4'-N-(2-pyridyl)thiosemicarbazone (HFPTS); structural, spectroscopic and biological studies
- Nashwa M. El - Metwaly*, Reem Arafaand Usama El – Ayaan
Thermal analysis and **Calorimetry** journal, J Therm Anal Calorim DOI 10.1007/s10973-013-3065-8, 2013
- 27) A series of nickel (II) complexes derived from hydrazide derivatives, electrochemical, thermal and spectral studies
- Gamil A.A. Al-Hazmi and Nashwa El- Metwaly*
Arabian Journal of Chemistry, Acceptance date : 15/1/2013, online corrected proof
- 28) Raman spectra, molecular modeling and Biological studies on buffering agent complexes
- Nashwa M. El – Metwaly
Accepted in Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry (acceptance date: 5 / 3 / 2013) online corrected proof
- 29) Spectral studies on a series of metal ion complexes derived from pyrimidine nucleus, TEM, biological and γ - irradiation effect
- Sawsan Al-Ashqer, Khlood S. Abou-Melha, G. A.A. Al-Hazmi, Fawaz A. Saad and Nashwa M. El- Metwaly*
Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 132 (2014) 751–761
- 30) Elaborated spectral analysis and modeling calculations on Co(II), Ni(II), Cu(II), Pd(II), Pt(II) and Pt(IV) nanoparticles complexes with simple thiourea derivative
- Gamil. A.A. Al-Hazmi, Adel.A.El-Zahhar, Khlood. S. Abou- Melha, Fawaz. A. Saad, Mohamed. H. Abdel- Rhman, Abdalla M. Khedr and Nashwa M. El- Metwaly*
Journal of Coordination Chemistry, 2015 <http://dx.doi.org/10.1080/00958972.2015.1004325>
- 31) Raman spectra, molecular modeling and Biological studies on buffering agent complexes
- F. Saad¹, K. S. Abou- Melha² and N. M. El – Metwaly*
Asian Journal of chemistry, Vol, 27 No. 7 (2015) 2678- 2684
- 32) Synthesis of Uranyl (II), Vanadyl (II) and Zirconyl Urate Complexes, Spectral, Thermal and Biological Studies
- Samy El-Megharbel, Nashwa El-Metwaly and Moamen Refat
Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 149 (2015) 263–270
- 33) Elaborated studies on Nano-sized homo-binuclear Mn(II), Fe(III), Co(II), Ni(II) and Cu(II) complexes derived from N₂O₂ Schiff base, thermal, molecular modeling, drug-likeness and spectral
- Reem K. Shah¹, Khlood S. Abou-Melha, Fawaz A. Saad, Tarek Yousef, Gamil A. A. Al-Hazmi, Marwa G. Elghalban, Abdalla M. Khedr, Nashwa El-Metwaly^{1*}, Therm Anal Calorim DOI 10.1007/s10973-015-4838-z
- 34) charge-transfer complexes formed between two highly effective drugs and two types of acceptors: s- and p-acceptors: Spectroscopic, thermal and surface morphology characteristics
- Ahmed M. Naglah, Mohamed A. Al-Omar, Nashwa M. El-Metwaly, Omar B. Ibrahim, Moamen S. Refat, Abdel Majid A. Adam and Hosam A. Saad
Russian Journal of General Chemistry, 2016, Vol. 86, No. 4, pp. 965–974. © Pleiades Publishing, Ltd., 2016.
- 35) Hartree-Fock, molecular docking, spectral, kinetic and antitumor considerations for cobalt, nickel, palladium and platinum (II)- bis carbothiohydrazide complexes
- Nashwa M. El – Metwaly and Marwa G. El-Ghalban
Journal of Molecular Liquids 220 (2016) 265–276



- 36) Molecular docking and DFT studies on some nano-meter binuclear complexes derived from hydrazine-carbothioamide ligand, synthesis, thermal, kinetic and spectral characterization
Aisha Y. Al-Dawood , Nashwa M. El -Metwaly ,*, Hoda A. El-Ghamry
Journal of Molecular Liquids 220 (2016) 311–323
- 37) Simulative aurintricarboxylic acid molecular docking with antitumor activity for its VO(II), Cr(III), Mn(II) and Fe(III) complexes, HF/DFT modeling, kinetic and elaborated EPR studies
F. A. Saad, Jabir H. Al-Fahemi, N. M. El – Metwaly, N. Yarkandy, M. G. El-Ghalban, , G. A. Al-Hazmy and K. A. saleh
Accepted in Thermal analysis and Calorimetry journal, J Therm Anal Calorim, 10/12/2016
- 38) Elaborated studies for novel nano-sized VO(II), Mn(II), Co(II), Ni(II) and Cu(II) ion complexes derived from pyrazolone derivative, synthesis, spectral characterization, DFT/ B3LYP, QSAR and molecular docking
Fawaz A. saad, Nashwa M. El-Metwaly, Thoraya A. Farghaly, Marwa G. El-Ghalban, Gamil A. Al-Hazmi, Kamel. A. saleh, Mohammad Y. Alfaifi
Journal of Molecular Liquids, proof on line , 9/12/2016
- 39) DFT/ B3LYP study for nanometer 4-(2,4-dihydroxy-5-formyl-phen-1-ylazo)-N-(4-methylpyrimidin-2-yl)benzenesulfonamide (H₂L) complexes; QSAR, docking, spectral and biological investigations
Fawaz A. Saad, Marwa G. Elghalban, Nashwa M. El-Metwaly, ,Hoda El-Ghamry, Abdalla M. Khedr
Accepted in Applied organometallic Chemistry, Journal, 4/11/2016
- 40) Synthesis of Co(II), Cu(II), Hg(II), UO₂(II) and Pb(II) binuclear nanometer complexes from multi-donor ligand, spectral, modeling, QSAR, docking and antitumor studies
Jabir H. Al-Fahemi, Fawaz A. saad, Nashwa M. El-Metwaly, Thoraya A. Farghaly, Gamil A. Al-Hazmi, and Kamel. A. saleh
Accepted in Applied organometallic Chemistry, Journal, 2/2/2017.





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Publications

Curriculum Vita			
Name	Saud Mohamed Katib		
P.O. Box	City	Postal Code	Country
673	Makkah	21955	Saudi Arabia
Tel. No. (Office)	Telephone No. (Home)	Fax No.	Mobile No.
		0125200263	0555502062
E-mail (1)	saud@uqu.edu.sa	E-mail (2)	
Academic Title	Ass. Prof.	Others Titles (Specify)	
Institute/University	Country	College/Directorate	Department
Umm Al-Qura University	Saudi Arabia	Applied Sciences	Chemistry
Nationality	Date of Birth	Country of Birth	
Saudi	1377 H	Saudi Arabia	
Languages	Arabic	English	
Major field	Specialization field		
Chemistry	Inorganic Chemistry		
PhD Thesis Title			
Structural and Electrical Studies of some Mixed Oxides			
MSc Thesis Title			
Structural and Electrical Studies of some Lithium Bismuth Oxides			
Key words which describe your field	Inorganic chemistry	Metal complexes	Organometallic compounds
Qualifications			
Degree	Date awarded	Institute/University	Country
B. Sc. Degree	1981	Umm Al-Qura University	Saudi Arabia
M. Sc. Degree	1987	University of Birmingham	United Kingdom
Ph. D. Degree	1989	University of Birmingham	United Kingdom
Work Experience			
Date: From - To	Position	Institute/University	Country
1401-1410 H	Demonstrator	Umm Al-Qura University	Saudi Arabia
1410 H till now	Assistant Prof.	Umm Al-Qura University	Saudi Arabia



**Scientific Activity**

He has participated and cooperated with others in research works.

Publications**Selected publications:**

- 1- **M. A. M. Al-Gurashi, A. A. B. El-Ahmadi, S. M. A. Katib, K. M. Abd El-Salaam**, Thermal decomposition of nicotinate complexes of cobalt and nickel in dynamic nitrogen atmosphere. *Journal of thermal analysis*, 41 (1994), 859-870.
- 2- **Muhammad M. Al- Qurashi and Saud M. Katib**, Kinetics of Non-Isothermal Decomposition of Mg(II) and Pb(II) Complexes with Phenylazo-8-Hydroxyquinolate. *International Journal 8* (1997), 37-42.
- 3- **M. M. Mohamed, , S. M.A. Katib**, Structural and catalytic characteristics of MoO₃/CeO₂ catalysts: CO oxidation activity, *Applied Catalysis A: General*, 287 (2005), 236-243.





13

Publications

Curriculum Vita				
Name		Naeema Hammed Yarkandi		
P.O. Box	City	Postal Code	Country	
	Makkah Al-Mukarramah		Saudi Arabia	
Tel. No. (Office)	Telephone No. (Home)	Fax No.	Mobile No.	
			0505566678	
E-mail (1)	Dr.naeema.y@gmail.com	E-mail (2)		
Academic Title	Associate professor	Others Titles (Specify)		
Institute/University	Country	College/Directorate	Department	
Umm Al-Qura	Saudi Arabia	Applied Science	Chemistry	
Nationality		Date of Birth	Country of Birth	
Saudian		1/7/1376	Makkah Al-Mukarrama	
Languages		Arabic	English	
Major field		Specialization field		
Chemistry		Inorganic chemistry		
PhD Thesis Title				
SYNTHESIS AND CHARACTERIZATION OF SOME NEW METAL COMPLEXES DERIVED FROM SOME THIOUREA DERIVATIVES.				
MSc Thesis Title				
STRUCTURAL INVESTIGATION OF SOME BIVALENT TRANSITION METAL COMPLEXES OF 8-HADROXYQUINOLINE-SULFA DRUGS AZO-DYES AND THEIR KINETICS OF THE NON-ISOTHERMAL DECOMPOSITION				
Key words which describe your field	Inorganic synthesis	Transition metal complexes	Catalysis	Biological activity
Qualifications				
Degree	Date awarded	Institute/University	Country	
B. Sc.	12/3/1398	king Abdulaziz University	Saudi Arabia	
M. Sc.	4/7/1417	Umm Al-Qura	Saudi Arabia	
Ph. D.	8/4/1428	Umm Al-Qura	Saudi Arabia	
Work Experience				
Date: From - To	Position	Institute/University	Country	
21/6/1398-25/6/1418	Demonstrator	Umm Al-Qura	Saudi Arabia	
26/6/1418-	Lecturer	Umm Al-Qura	Saudi Arabia	



22/10/1428			
23/10/1428-28/12/1435	Assistant professor	Umm Al-Qura	Saudi Arabia
29/12/1435 until now	Associate professor	Umm Al-Qura	Saudi Arabia
18/7/1410-3/1/1422	Vice head of chemistry department	Umm Al-Qura	Saudi Arabia
11/12/1430-11/12/1434 until now	Deputy dean of admission and registration affairs	Umm Al-Qura	Saudi Arabia
1431 until now	Supervisor of summer course	Umm Al-Qura	Saudi Arabia

Scientific Activity

43. She has discussed and supervised on a number of Ph. D. students M. Sc. students (granted) in the areas of inorganic chemistry.

44. She has attended and participated in a number of scientific meetings.

Conferences

- 1- jurisprudence budgets and its role in contemporary life conference, 27-29/10/1434, legislation college
- 2- Fourth Conference of teacher preparation, 22-24/10/1434, faculty college
- 3- 5th Saudian conference of science. 24-26/5/1433, applied science faculty
- 4- Taibah International Conference on Chemistry, 26-28/2/1430, science college, Al-Madina Al-minora

Publications

- 1-Preparation and characterization of Pd doped ceria-ZnO nanocomposite catalyst for methyl tert-butyl ether (MTBE) photodegradation, J. of hazardous chemistry, 264, 2014, 71-80
- 2- The Effect of Loading Palladium on Zinc Oxide on the Photocatalytic Degradation of Methy tert-Butyl Ether (MTBE) in Water, photochemistry and photobiology accepted 14 january, 2014
- 3- Photocatalytic Degradation of Methyl tert-Butyl Ether (MTBE) in the Presence of Visible Light, proceeding the second international conference on water, energy and the environment, Turkey 21/9/213
- 4- Coordination of cobalt(III), nickel(II), copper(II), palladium(II) and platinum(II) with N-ethyl-N' -(4' -methylthiazol-2' -yl)thiourea(HL), J. of sulfur chemistry, 35, 98-105/2014
- 5- Photocatalytic Removal of Phenol From Waste Water: A Comparative Study, Energy Challenges for Advanced Materials and Processes: Harvesting, Storage and Efficient Utilization: An International Conference: EnCAMP 2011, Cappadocia, Turkey.25-29 May, 2013
- 6- Synthesis and Characterization of Nano-scale Pd Supported ZnO and WO₃ Photocatalysts for MTBE Removal, 5th Saudi Science Conference, UQU, Makkah, Saudi Arabia, 16-18 April, 2012
- 7-A Comparative Study of Removal of MTBE from Waste Water Using Semiconducting Photocatalysts, The second International Symposium on Analytical Chemistry for Sustainable Development: ACSD 2013 and the 4th Federation of African Societies of Chemistry (FASC) Congress, Marrakech, Morocco.



- 8-Removal of Organic Pollutants (Phenol, Alizarin, MTBE) from Waste Water Using Semiconducting Photocatalysts, The International Conference on Water, Energy and Environment (ICWEE2013, Kusadasi, Turkey.21-24 september, 2013
- 9- Thermal decomposition of cobalt(III), nickel(II), copper(II), palladium(II) and platinum(II) complexes of N-allyl-N'-(4'-methylthiazol)-2ylthiourea, Journal of Advances in Chemistry, Vol.7, No.3, 1, 20395-1398
- 10- Photocatalytic Degradation of Methyl tert-Butyl Ether (MTBE): A Review, Advances in Environmental Research, in press 2014
- 11- Removal of lead (II) from waste water by adsorption, International Journal of Current Microbiology and Applied Sciences, vol.3 (04), in press
- 12- Preparation of complexes of Co(II), Ni(II), and Cu(II) with 5-azo[4-(3-methoxy-6-pyridazinyl)sulfanil-amido]-8-hydroxyquinoline and their thermal decomposition in flow of nitrogen {K.H.Halawani, K.M.Abd EL-salaam and N.H.Yarkandi
- 13-Preparation, characterization and thermal decomposition trans-diaquobis-(5-azo 4-2-pyridyl)sulfanilamido-8hydroxyquinolinato)complexes Co(II), Ni(II) and Cu(II) {K.H.Halawani, K.M.Abd EL-salaam and N.H.Yarkandi}
- 13- Nickel(II), palladium(II) and platinum(II) complexes of N-allyl-N'-pyrimidin-2-ylthiourea {Samir S. Kandil, Saud M. A. Katib and Naeema H.M.Yarkandi}, Journal of transition on Metal Chemistry 32, 791-79





23

Publications

Curriculum Vita			
Name	Fawaz Ahmad Amer Saad		
P.O. Box	City	Postal Code	Country
3669	Makkah	21955	Saudi Arabia
Tel. No. (Office)	Telephone No. (Home)	Fax No.	Mobile No.
		+966125211263	0554541819
E-mail (1)	fasaad@uqu.edu.sa	E-mail (2)	fawaz@FawazSaad.com
Academic Title	Dr.	Others Titles (Specify)	
Institute/University	Country	College/Directorate	Department
Umm Al-Qura University	Saudi Arabia	Applied Sciences	Chemistry
Nationality	Date of Birth	Country of Birth	
Saudi	28 February 1983	Saudi Arabia	
Languages	Arabic	English	
Major field	Specialization field		
Chemistry	Inorganic Chemistry		
PhD Thesis Title			
Co-ordination Chemistry of Novel Tripodal Ligands Designed to Host Anions			
MSc Thesis Title			

Key words which describe your field	Inorganic chemistry	Metal complexes	Nanomaterials
Qualifications			
Degree	Date awarded	Institute/University	Country
B. Sc. Degree (Excellent Estimate Honours, the First in his Graduation class)	2004	Umm Al-Qura University	Saudi Arabia
Diploma in Business Administration	2007	Sheffield-ASET	United Kingdom
Ph. D. Degree	2011	Cardiff	United Kingdom
Work Experience			
Date: From - To	Position	Institute/University	Country
2016- present	Associate Professor	Umm Al-Qura University	Saudi Arabia



2014-2016	Dean of Innovation and Entrepreneurship Institute	Umm Al-Qura University	Saudi Arabia
2012- 2016	Assistant Professor	Umm Al-Qura University	Saudi Arabia
2013-2015	Vice - Dean of the Institute for Innovation and Entrepreneurship for Entrepreneurship	Umm Al-Qura University	Saudi Arabia
2013-2015	General Supervisor of Intellectual Property Management Office (IPMO)	Umm Al-Qura University	Saudi Arabia
2013-2015	General Supervisor of Innovation and Entrepreneurship Summer Program (IE summer)	Umm Al-Qura University	Saudi Arabia
2014-2015	Advisor	Ministry of Higher Education	Saudi Arabia
2014-2015	Supervisor at Innovation and Entrepreneurship Chair of Almuallim Mohammed bin Laden (IE chair)	Umm Al-Qura University	Saudi Arabia
2012-2014	Consultant of Holy Makkah Municipality	Umm Al-Qura University	Saudi Arabia
2014-present	A Member at The University Council and a Member of The Consultative Committee	Umm Al-Qura University	Saudi Arabia
2014-present	A Member at The Council of Vice Presidency of Business and Innovation	Umm Al-Qura University	Saudi Arabia
2014-2015	A Member at the	Umm Al-Qura University	Saudi Arabia



	Strategic Planning Committee		
2011-2014	Consultant at Vice Presidency of Business and Innovation	Umm Al-Qura University	Saudi Arabia
2012-present	A Member at The Directors Council of Innovation and Entrepreneurship Institute	Umm Al-Qura University	Saudi Arabia
2015-present	A Member at The Directors Council of College of Business	Umm Al-Qura University	Saudi Arabia
2015-present	A Member at The Council Institute of Consulting Research and Studies	Umm Al-Qura University	Saudi Arabia
2012-2014	Adviser of Vice President for work and creativity of knowledge	Umm Al-Qura University	Saudi Arabia
2011-2012	Researcher (Postdoc)	Cardiff University	United Kingdom
2005-2011	Demonstrator	Umm Al-Qura University	Saudi Arabia
2004-2005	Researcher	Saudi Aramco Company- Research & Development Center	Saudi Arabia
2005-2006	Coordinator of Measurement and Evaluation Unit, Faculty of Applied Science	Umm Al-Qura University	Saudi Arabia
2004-2005	Teacher	Ministry of Education	Saudi Arabia
Scientific Activity			
<p>1- Principal investigator of a number of research projects.</p> <p>2- 14th International Conference on the Chemistry of Antibiotics and other Bioactive Compounds, Galveston Island, Texas, USA, 13-16 October 2015 (Poster Participation).</p>			





- 3- Third International Conference on Advanced Complex Inorganic Nanomaterials, 13th-17th July 2015, Namur, Belgium, 13-17 July 2015 (Poster Participation).
- 4- 41st International Conference on Coordination Chemistry, Singapore, 21-25 July 2014 (Poster Participation).
- 5- Research Commercialization, Ideas to IPO (Elsevier), London, 19-20 May 2014.
- 6- 44th World Chemistry Congress, Turkey, 10-17 Aug. 2013 (Poster Participation).
- 7- 3rd International Conference on Chemical, Ecology and Environmental Sciences (ICCEES 2013), Indonesia, 3-6 Jan. 2013.
- 8- Inorganic Photophysics and Photochemistry - Fundamentals and Applications: Dalton Discussion 13, 10 -12 September 2012, University of Sheffield, UK.
- 9- The 5th Saudi International Conference at University of Warwick 23rd – 26th June (2011).
- 10-Fawaz. A. Saad, in *SICO4*, Manchester, 2010. (Winner for the 2nd best paper in the conference).
- 11-Cardiff Spring Conference at Cardiff University 5th-6th May (2010).
- 12-The 4th Saudi International Conference at University of Manchester 29th – 31st July (2010) (Extended Abstract & Poster Participation).
- 13-BCA/CCG Intensive Teaching School on X-Ray Structure Analysis, Durham University, UK, from 28th March to 6th April (2009).
- 14-Easter Chemistry Conference at Cardiff University (2009) (Poster).
- 15-The 3rd Saudi International Conference at University of Surrey 4th-6th June (2009).
- 16-Inorganic Chemistry Conference at Cardiff University (2008).
- 17-Saudi International Innovation Conference at Leeds University 09th -11th June (2008).
- 18-Easter Chemistry Conference at Cardiff University (2007).

AWARDS AND ACHIEVEMENTS:

1. Patent invention - United States Patent and Trademark Office 2013 - Patent NO# US8552190B1. (<http://www.google.com/patents/US8552190>)
2. Certificate of Accreditation in Entrepreneurship - Cornell University (2013).
3. Certificate of Professional Development in Leadership - Cardiff University (2010).
4. Special Recognition for Research Excellence by the president of UQU, Dr. Bakri Assas (2011).
5. Letter of Excellence by HRH Prince Mohammad bin Nawaf bin Abdullaziz, the Ambassador of Saudi Arabia in the UK (2011).
6. A Certificate of Appreciation of Scientific Excellence in Doctorate Degree by Dr.Ghazi Al-Makki , the Saudi Cultural Attaché in the UK (2010).
7. The Silver Award at the Fourth Saudi- International Conference at Manchester University for the Best Scientific Paper in Applied Science (2010).
8. A Certificate of Appreciation of Scientific Excellence in Doctorate Degree by Mr. Abdullah Al-Nasser, the Saudi Cultural Attaché in United Kingdom (2008).
9. Award for achieving Superiority and highest grades graduated - Bachelor of Science at UQU (2004).

Publications

- 1- Synthesis, spectral, electrochemical and X-ray single crystal studies on Ni(II) and Co(II) complexes derived from 1-benzoyl-3-(4-methylpyridin-2-yl) thiourea.





- Fawaz A. Saad**, *Spectrochim. Acta A*, **128**, 386-392 (2014).
(<http://www.sciencedirect.com/science/article/pii/S1386142514003886>).
- 2- Elaborated spectral analysis and modeling calculations on Co(II), Ni(II), Cu(II), Pd(II), Pt(II) and Pt(IV) nanoparticles complexes with simple thiourea derivative.
Gamil A.A. Al-Hazmi, Adel A. El-Zahhar, Khlood S. Abou-Melha, **Fawaz A. Saad**, Mohamed H. Abdel-Rhman, Abdalla M. Khedr, Nashwa M. El-Metwaly, *J. Coord. Chem.*, **68** (6), 993-1009 (2015).
(<http://www.tandfonline.com/doi/full/10.1080/00958972.2015.1004325>)
- 3- Synthesis, structural characterization and antimicrobial efficiency of sulfadiazine azo-azomethine dyes and their bi-homonuclear uranyl complexes for chemotherapeutic use.
Abdalla M. Khedr, **Fawaz A. Saad**, *Turk. J. Chem.*, **39**, 267-280 (2015).
(<http://journals.tubitak.gov.tr/chem/issues/kim-15-39-2/kim-39-2-6-1409-21.pdf>)
- 4- Co-ordination chemistry of some first row transition metal complexes with multi-dentate ligand (1- benzoyl - 3-(4-methylpyridin -2-yl) thiourea), spectral, electrochemical and x- ray single crystal studies.
Fawaz A. Saad, *Int. J. Electrochem. Sci.*, **9**, 4761 - 4775 (2014).
(<http://www.electrochemsci.org/papers/vol9/90904761.pdf>)
- 5- Spectral studies on a series of metal ion complexes derived from pyrimidine nucleus, TEM, biological and γ -irradiation effect.
Sawsan Al-Ashqer, Khlood S. Abou-Melha, G.A.A. Al-Hazmi, **Fawaz A. Saad**, Nashwa M. El-Metwaly, *Spectrochim. Acta A*, **132**, 751-761 (2014).
(<http://www.sciencedirect.com/science/article/pii/S1386142514008762>)
- 6- Synthesis, stability and DC-electrical conductivity of vanadium and chromium dual doped LiMn_2O_4 spinals as cathode material for use in lithium rechargeable batteries
Fawaz A. Saad, Morsi M. Abou-Sekkina, Abdalla M. Khedr, Fouad G. El-Metwaly, *Int. J. Electrochem. Sci.*, **9**, 3904-3916 (2014).
(<http://www.electrochemsci.org/papers/vol9/90703904.pdf>)
- 7- Azo-azomethine ligands with N_2O_2 donor atom sets and their binuclear $\text{UO}_2(\text{II})$ complexes: Synthesis, characterization and biological activity.
Fawaz A. Saad, Abdalla M. Khedr, *Bulg. Chem. Commun.*, **47**, 654-663 (2015).
(<http://bcc.bas.bg/>)
- 8- Synthesis, characterization, DC-electrical conductivity and γ -ray effect on Ag^{1+} , Y^{3+} double doped nano lithium manganates ($\text{LiMn}_{2-2x}\text{Ag}_x\text{Y}_x\text{O}_4$) for rechargeable batteries.
Morsi M. Abou-Sekkina, **Fawaz A. Saad**, Fouad G. El-Metwaly, Abdalla M. Khedr, *Mater. Sci.-Poland*, **32** (3), 315-323 (2014).
(<http://link.springer.com/article/10.2478%2Fs13536-014-0205-1>).
- 9- A comparative antimicrobial study inbetween a quinoline drug and its complexes, spectral, kinetic and molecular modeling investigations.
G.A.A. Al-Hazmi, **Fawaz A. Saad**, *Synth. React. Inorg. Met.-Org. Chem.*, **45**, 1743-1757 (2015).
- 10- Elaborated studies on Nano-sized homo-binuclear Mn(II), Fe(III), Co(II), Ni(II) and Cu(II) complexes derived from N_2O_2 Schiff base, thermal, molecular modeling, drug-likeness and spectral.
Reem K. Shah, Khlood S. Abou-Melha, **Fawaz A. Saad**, Tarek Yousef, Gamil A.A. Al- Hazmi, Marwa G. Elghalban, Abdalla M. Khedr, Nashwa El-Metwaly, *J. Therm. Anal. Calorim.*, **123**, 731-743 (2016).
(<http://link.springer.com/article/10.1007/s10973-015-4838-z>).



- 11- Synthesis, characterisation and evaluation of a novel copper-64 complex with selective uptake in EMT-6 cells under hypoxic conditions
James C. Knight, Melinda Wuest, **Fawaz A. Saad**, Monica Wang, David W. Chapman, Hans-Soenke Jans, Suzanne E. Lapi, Benson M. Kariuki, Angelo J. Amoroso, Frank Wuest, *Dalton Trans.*, **42**, 12005-12014 (2013).
(<http://pubs.rsc.org/en/Content/ArticleLanding/2013/DT/C3DT50960E#!divAbstract>).
- 12- Synthesis, effect of γ -ray and electrical conductivity of uranium doped nano LiMn_2O_4 spinels for applications as positive electrodes in Li-ion rechargeable batteries.
Fouad G. El-Metwaly, Morsi M. Abou-Sekkina, **Fawaz A. Saad**, Abdalla M. Khedr, *Mater. Sci.-Poland*, **32** (4), 571-577(2014).
- 13- Raman spectra, molecular modeling and biological studies on buffering agent complexes.
Fawaz A. Saad, K. S. Abou- Melha, N. M. El – Metwaly
Asian J. Chem., **27** (7), 2678-2684(2015).
- 14- Co-ordinative properties of a tripodaltrisamide ligand with a capped octahedral preference.
Fawaz A. Saad, James C. Knight, Benson M. Kariuki, Angelo J. Amoroso, *Dalton Trans.*, **42**, 14826-14835 (2013)
(<http://pubs.rsc.org/en/Content/ArticleLanding/2013/DT/C3DT51791H#!divAbstract>).
- 15- Co-ordination behaviour of a novel bisthioureatripodal ligand: structural, spectroscopic and electrochemical properties of a series of transition metal complexes.
Fawaz A. Saad, Niklaas J. Buurma, Angelo J. Amoroso, James C. Knight, Benson M. Kariuki. *Dalton Trans.*, **41**, 4608–4617 (2012).
(<http://pubs.rsc.org/en/content/articlelanding/2012/dt/c2dt11732k#!divAbstract>).
- 16- rac-N-{6-[Bromo(hydroxy)methyl]-2- pyridyl}pivalamide.
James C. Knight, **Fawaz A. Saad**, Angelo J. Amoroso, Benson M. Kariuki, Simon J. Coles, *Acta Cryst.* E65, o647 (2009).
(<http://journals.iucr.org/e/issues/2009/03/00/sj2584/sj2584.pdf>).
- 17- Illustration for series of new metal ion complexes extracted from pyrazolone derivative, spectral, thermal, QSAR, DFT/ B3LYP, docking and antitumor investigations. Fawaz A. Saad, Nashwa El-Metwaly, Reea Shah, Thoraya Farghaly, Marwa Elghalban, Gamil Al-Hazmi, Kamel Tamimi, *J. Mol. Liq.* (Accepted November 9, 2016).
- 18- Elaborated Molecular Docking and DFT/ B3LYP Studies for Novel Sulfa Drug Complexes, Spectral and Antitumor Investigations. **Fawaz A. Saad**, *J. Therm. Anal. Calorim.* (Accepted November 26, 2016).
- 19- Density functional theory/B3LYP study of nanometric 4-(2,4- dihydroxy-5-formylphen -1-ylazo)-N-(4-methyl pyrimidin-2-yl) benzenesulfonamide complexes: Quantitative structure–activity relationship, docking, spectral and biological investigations. **Fawaz A. Saad**, Marwa G. Elghalban, Nashwa El-Metwaly, Hoda El-Ghamry, Abdalla M. Khedr, *Appl. Organometal. Chem.*, **2017**; ec3721. doi: 10.1002/aoc.3721.
- 20- Simulative aurintricarboxylic acid molecular docking with antitumor activity for its VO(II), Cr(III), Mn(II) and Fe(III) complexes, HF/DFT modeling, kinetic and elaborated EPR studies
F. A. Saad, Jabir H. Al-Fahemi, N. M. El – Metwaly, N. Yarkandy, M. G. El-Ghalban, , G. A. Al-Hazmy and K. A. saleh
Accepted in Thermal analysis and Calorimetry journal, 10/12/2016
- 21- Elaborated studies for novel nono-sized VO(II), Mn(II), Co(II), Ni(II) and Cu(II) ion complexes derived from pyrazolone derivative, synthesis, spectral characterization, DFT/ B3LYP, QSAR and molecular docking
Fawaz A. saad, Nashwa M. El-Metwaly, Thoraya A. Farghaly, Marwa G. El-Ghalban, Gamil A. Al-Hazmi, Kamel. A. saleh, Mohammad Y. Alfaifi
Journal of Molecular Liquids, proof on line , 9/12/2016





22- Synthesis of Co(II), Cu(II), Hg(II), UO₂(II) and Pb(II) binuclear nanometer complexes from multi-donor ligand, spectral, modeling, QSAR, docking and antitumor studies

Jabir H. Al-Fahemi, Fawaz A. saad, Nashwa M. El-Metwaly, Thoraya A. Farghaly, Gamil A. Al-Hazmi, and Kamel. A. saleh
Accepted in Applied Organometallic Chemistry, 2/2/2017.

23- Greener solid state synthesis of nano-sized mono and homo bi-nuclear Ni(II), Co(II), Mn(II), Hg(II), Cd(II) and Zn(II) complexes with new sulfa ligand as a potential antitumour and antimicrobial agents. **Fawaz A. Saad**; Abdalla M. Khedr, Journal of Molecular Liquids, Accepted February 3, **2017** (DOI: 10.1016/j.molliq.2017.02.046).





18

Publications

Curriculum Vita				
Name	Hoda Abou El-Fetouh Ahmed El-Ghamry			
P.O. Box	City	Postal Code	Country	
-	Tanta	-	Egypt	
Tel. No. (Office)	Telephone No. (Home)	Fax No.	Mobile No.	
-	-	-	0543411680	
E-mail (1)	helghamrymo@yahoo.com	E-mail (2)	haelghamry@uqu.edu.sa	
Academic Title	Associat Prpfesor	Others Titles (Specify)	-	
Institute/University	Country	College/Directorate	Department	
Tanta university	Egypt	Faculty of Science	Chemistry dept.	
Nationality	Date of Birth		Country of Birth	
Egyptian	27/9/1978		Egypt	
Languages	Arabic	English	French	
Major field	Specialization field			
Chemistry	Inorganic Chemistry			
PhD Thesis Title				
Preparation and characterization of some azo and azomethine derivatives of sulsulfa drugs and their metal complexes				
MSc Thesis Title				
Studies on the chelation behavior of some hydrazides and their hydrazones towards transition metal ions.				
Key words which describe your field	Inorganic synthesis	Transition metal complexes	Catalysis	Biological activity
Qualifications				
Degree	Date awarded	Institute/University	Country	
B. Sc.	June, 1999	Tanta University	Egypt	
M. Sc.	June, 2005	Tanta University	Egypt	
Ph. D.	October, 2010	Tanta University	Egypt	
Work Experience				
Date: From - To	Position	Institute/University	Country	
September 2000- June 2005	Demonstrator	Tanta University	Egypt	
June 2005- March 2008	Assistant lecturer of Inorganic Chemistry	Tanta University	Egypt	
March 2008- April	Researcher (Channel	Kyushu University	Japan	



2010	system fellowship), Coordination chemistry laboratory, Chemistry department, Faculty of Science,		
November 2010- November 2013	Lecturer of Inorganic Chemistry	Tanta University	Egypt
November 2013- 2016	Assistant professor of Inorganic Chemistry	Umm Al-Qura University,	Mecca, Saudi Arabia
2016- till now	Assistant professor of Inorganic Chemistry	Umm Al-Qura University,	Mecca, Saudi Arabia

Scientific Activity

My research work includes the synthesis and characterization of transition metal complexes with focusing on their medicinal applications including antimicrobial, antitumor and antioxidant activity in addition to their ability for binding with DNA.

Another branch of my work is the investigation of the catalytic activity of metal complexes as promoters of some reactions and as corrosion inhibitors.

Publications

- [1] 4-(diaminomethyleneaminosulfonyl(phenylimino methyl)- 2- naphthalate N,N dimethylformamide disolvate.
H.A. El-Ghamry, R.M. Issa, K.Y. El-Baradie, K. Isagai, S. Masaoka and K. Sakai; **Acta Cryst. E64 (2008) 1350–1351.**
- [2] 4-[(3-Formyl-4-hydroxyphenyl) diazenyl]-N (pyrimidin -2-yl) benzenesulfonamide
H.A. El-Ghamry, R.M. Issa, K.Y. El-Baradie, K. Isagai, S. Masaoka and K. Sakai; **Acta Cryst E64 (2008) 1673–1674.**
- [3] Dibromido(2,3,9,10-tetramethyl-1,4,8,11 tetra azacyclotetradeca-1,3,8,10-tetraene) cobalt(III) bromide
H.A. El-Ghamry, K. Sakai, S. Masaoka, K. El-Baradie, R. Issa; **Acta Cryst. ActaCryst. (2009). E65, 1378–1379.**
- [4] Synthesis, characterization and catalytic activity of copper (II), nickel (II) and cobalt (II) complexes derived from novel hydrazone derivatives of oxamic hydrazide
K. Y. El-Baradie, R. M. Issa, N. A. El-Wakiel, **H.A. El-Ghamry, Egypt J. Chem., 52,6,737 (2009).**
- [5] Synthesis and characterization of the self-assembled coordination polymers of N-diaminomethylene-4-(3-formyl- 4-hydroxy-phenylazo)-benzenesulfonamide ligand,
H.A. El-Ghamry, K. Sakai, S. Masaoka, K. El-Baradie, R. Issa, **J. Coord. Chem., 65, 5, 780–794 (2012).**
- [6] Preparation, characterization, biological activity and 3D molecular modeling of Mn(II), Co(II), Ni(II), Cu(II), Pd(II) and Ru(III) complexes of some sulfadrag Schiff bases
H.A. El-Ghamry, K. Sakai, S. Masaoka, K. El-Baradie, R. Issa, **Chienese J Chem., 30, 4, 881-890 (2012).**
- [7] Synthesis, spectral, antitumor and antimicrobial studies on Cu(II) complexes of purine and triazole Schiff base derivatives
S. Amer, N. El-Wakiel , **H.A. El-Ghamry, J. Molecular structure, 1049, 326–335 (2013).**
- [9] Synthesis, structural, spectroscopic, biological and catalytic activity of Co(II), Ni(II) and Cu(II) complexes of benzilic hydrazide (BH).





H.A. El-Ghamry, R.G. El-Sharkawy, M. Gaber, **Iranian chemical society, 11, 379–389(2014)**

[10] Hydrogen-bonded frameworks of propylenediamine-N,N'-diacetic acid Pt(II) complexes, Synthesis, structural characterization and antitumor activity

H.A. El-Ghamry, S. Masaoka, K. Sakai, **J. coordination Chemistry, 67, 6, 943-955 (2014).**

[11] Synthesis, spectroscopic characterization, DNA interaction and biological activities of Mn(II), Co(II), Ni(II) and Cu(II) complexes with [(1H-1,2,4-triazole-3-ylimino)methyl]naphthalene-2-ol

M. Gaber, N.A. El-Wakiel, **H.A. El-Ghamry**, S.K. Fathalla, **Journal of Molecular Structure, 1076 (2014) 251–261.**

[12] Kinetics of color removal of Chromotrope 2R with H₂O₂ in the presence of copper(II) ethylenediamine supported on montmorillonite

I.A. Salem, **H.A. El-Ghamry**, M.A. El- Ghobashy, **Beni-Suef University Journal of Basic and Applied Sciences, 3, 3, 186–192 (2014).**

[13] Application of montmorillonite–Cu(II)ethylenediamine catalyst for the decolorization of Chromotrope 2R with H₂O₂ in aqueous solution.

I.A. Salem, **H.A. El-Ghamry**, M.A. El- Ghobashy, **Spectrochimica Acta Part A, 139, 15, 130–137 (2015).**

[14]Decolorization of Acid Red 37 dye solution by using copper (II) Schiff base Complexes and hydrogen peroxide

A.S. Elsherbiny, **H.A. El-Ghamry**, , **International Journal of chemical kinetics. 47,3, 162–173, (2015).**

[15] Synthesis, spectral and theoretical studies of Ni(II), Pd(II) and Pt(II) complexes of 5-mercapto-1,2,4-triazole-3-imine-2'-hydroxynaphthaline

M. Gaber, **H.A. El-Ghamry**, F. Atlam, S.K. Fathalla, **Spectrochimica Acta Part A, 137 (2015) 919-929.**

[16] Ni(II), Pd(II) and Pt(II) complexes of (1H-1,2,4-triazole-3-ylimino)methyl]naphthalene-2-ol. Structural, spectroscopic, biological, cytotoxicity, antioxidant and DNA binding.

M. Gaber, **H.A. El-Ghamry**, S.K. Fathalla, **Spectrochimica Acta Part A, 139, 2015, 396-404.**

[17] Molecular docking and DFT studies on some nano-meter binuclear complexes derived from hydrazine-carbothioamide ligand, synthesis, thermal, kinetic and spectral characterization. Aisha Y. Al-Dawood, Nashwa M. El -Metwaly, **Hoda A. El-Ghamry, Journal of Molecular Liquids, 220, 311-423 (2016).**

[18] DFT/ B3LYP study for nanometer 4-(2,4-dihydroxy-5-formyl-phen-1-ylazo)-N-(4-methylpyrimidin-2-yl)benzenesulfonamide (H₂L) complexes; QSAR, docking, spectral and biological investigations. Fawaz A. Saad, Marwa G. Elghalban, Nashwa M. El-Metwaly, **Hoda El-Ghamry**, Abdalla M. Khedr, **Accepted for publication in Applied organometallic Chemistry.**





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Publications

Curriculum Vita			
Name		Sawsan Mohammad Ahmad Alashqar	
P.O. Box	City	Postal Code	Country
P.O.Box 1026	Jeddah	21431	Saudi Arabia
Tel. No. (Office)	Telephone No. (Home)	Fax No.	Mobile No.
--	--	--	0505548116
E-mail (1)	D.sawsan94@hotmail.com	E-mail (2)	--
Academic Title	Assistant Professor	Others Titles (Specify)	--
Institute/University	Country	College/Directorate	Department
Umm Alqura University	Makkah	Faculty of Science	Chemistry
Nationality	Date of Birth	Country of Birth	
Saudi	19/7/1974	Saudi Arabia	
Languages	Arabic	English	
Major field	Specialization field		
Chemistry	Inorganic		
PhD Thesis Title			
Thiobochemical Reactions of Some Metal Complexes with Potassium Iodide			
MSc Thesis Title			
Synthesis and Characterization of Some Mixed Ligand Dithiooxamide Complexes of Transition Metals			
Key words which describe your field	-	-	-
Qualifications			
Degree	Date awarded	Institute/University	Country
Pd. D	2006	Umm Al-Qura University	Saudi Arabia
MSc	2001	Umm Al-Qura University	Saudi Arabia
BSc	1996	Umm Al-Qura University	Saudi Arabia
Work Experience			
Date: From - To	Position	Institute/University	Country
2001-2006	Lecturer	Umm Al-Qura University	Saudi Arabia
2007- 2016 (till now)	Assistant Professor	Umm Al-Qura University	Saudi Arabia
2009 - 2012	Head of	Umm Al-Qari University	Saudi Arabia



	Chemistry Dept.		
6 months	Vice-Head of Chemistry Dept.	Umm Al-Qura University	Saudi Arabia
Scientific Activity			
Publications			
<p>1-Synthesis and characterization of cobalt(II),nickel(II),copper(II) and ruthenium(III) dithiooxamide complexes. their mixed complexes with 8-hydroxy quinoline, acetylacetone, o-phenylene diamine, salicylic acid and thioacetamide.Bull., FAC.SCI Univ. 33(I-B),p11-20(2004). S.M.Al-Asquar</p> <p>2-Synthesis and molecular mechanics studies of Ni(II) complex derived from formylhydrazine (FH).International Jour., Chem No.1(2007) 57-65. S.M.Al-Asquar</p> <p>3-Spectroscopic studies of some Cu(I) and Cu(II) complexes derived by tribochemical reaction of some thiosemicarbazide derivatives containing Girard's P with KI. Trade Science Inc.(2008). S.M.Al-Asquar</p> <p>4-Synthesis of some novel Co(II) and Co(III) complexes by tribochemical reactions using KI with some derivatives of thiosemicarbazide complexes derived from Girard's T and P. Spectrochimica Acta part A (2008).S.M.Al-Asquar</p> <p>5- Synthesis and Characterization of some New Binary and Ternary CuII Complexes Najlaa S. Al-Radadi, Sawsan M. A. Al-Ashqar, and Mohsen M. Mostafa LSRT #538287, VOL 41, ISS 2</p> <p>6- Synthesis and characterization of some novel macrocyclic NiII complexes Najlaa S. Al-Radadi • Sawsan M. Al-Ashqar • Mohsen M. Mostafa Received: 6 December 2009/Accepted: 29 June 2010/Published online: 6 August 2010 Springer Science+Business Media B.V. 2010</p> <p>7- Synthesis and characterization of CuII and CoII complexes derived from 2,4,6-tri-(2-pyridyl)-1,3,5-triazine (TPT) by chemical and tribochemical reactions SAWSAN M. AL-ASHQAR and MOHSEN M. MOSTAFA Journal of Coordination Chemistry Vol. 63, No. 4, 20 February 2010, 721–729</p> <p>8- Spectroscopic and kinetic studies on the degradation of methylene blue using the supramolecular coordination polymer [(Ph₃Sn)₄Fe(CN)₆] as catalyst. Amany M.A. Ibrahim* , Sawsan M.A. Al-Ashqar Spectrochimica Acta Part A 92 (2012) 238– 244</p> <p>9- Spectral studies on a series of metal ion complexes derived from pyrimidine nucleus, TEM, biological and c-irradiation effect Sawsan Al-Ashqar a , Khlood S. Abou-Melha b , G.A.A. Al-Hazmi b,c , Fawaz A. Saad a , Nashwa M. El-Metwaly a,d Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 132 (2014) 751–761.</p> <p>10- Comparative Studies between Chemical and Tribochemical Reactions of Some Metal Complexes Derived from N-(O-Hydroxyphenyl)-N'-phenylthiourea (L), Open Journal of Inorganic Chemistry, 2016, 6, 195-204 Published Online July 2016 in SciRes. http://www.scirp.org/journal/ojic http://dx.doi.org/10.4236/ojic.2016.63015</p>			





3

Publication

Curriculum Vita			
Name	Aisha Yousef Ismail Al-dawood		
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	Makkah		Saudia Arabia
Tel. No. (Office)	Telephone No. (Home)	Fax No.	Mobile No.
			0558732691
E-mail (1)	Othman-dawood@hotmail.com	E-mail (2)	aydawood@uqu.edu.sa
Academic Title	Assistant Professor	Others Titles (Specify)	
Institute/University	Country	College/Directorate	Department
Umm Al-qura University	Saudia Arabia/ Makkah	Faculty of Applied Science	chemistry
Nationality	Date of Birth		Country of Birth
Saudi	4/12/1962, 6/7/1382H		Riyadh
Languages	Arabic	English	
Major field	Specialization field		
Chemistry	Inorganic chemistry		
PhD Thesis Title			
Physicochemical Studies On Some Synthesized Transition Metal Complexes of Some Azomethine Compounds			
MSc Thesis Title			
Alkline And Alkaline Earth Metals Compounds Cesium Strontiom Phosphate			
Key words which describe your field	Azomethine, Shiff base	Complexes with Cu, Ni, Co,... Transition Metal.	
Qualifications			
Degree	Date awarded	Institute/University	Country
Ph.D.	2009	King Abduaziz University	Jeddah
master	1991	King Saud University	Riyadh
Work Experience			
Date: From - To	Position	Institute/University	Country
1421	Demonstrator	UQU	MAKKAH



1423	Lecturer	UQU	MAKKAH
1432	Assistant Professor	UQU	MAKKAH
1430-1434	Head of activity and student support center	UQU	MAKKAH
1434	Deputy Head of Department of Chemistry	UQU	MAKKAH
Scientific Activity			
Synthesis and study of complexes , solid state			
Publications			
<p>1- Aisha Y. I. Aldawood, Mono Nuclear and Oxalato-Bridged Binuclear Transition Metal Complexes with a Tridentate Schiff Base Ligand and their Applications as Anticancer Reagents, International Journal of Chemistry, 35 (2014) 1431-1444.</p> <p>2- Badr A Elsayed, Walied A A Mohamed, and Aisha YE Al-Dawood, Synthesis, Spectroscopic Studies and Antimicrobial Activity of Mono and Binuclear Metal Complexes of New Azine Ligand Derived From 4, 6-Diacetylresorcinol, RJPBCS, 7(2)2016(152- 166).</p> <p>3- Aisha Y. Al-Dawood, Nashwa M. El -Metwaly, Hoda A. El-Ghamry, Molecular docking and DFT studies on some nano-meter binuclear complexes derived from hydrazine carbothioamide ligand, synthesis, thermal, kinetic and spectral characterization, Journal of Molecular Liquids 220 (2016) 311–323</p>			





Curriculum Vita			
Name	Khadeega Mustafa Abdel Rahman Takroni		
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-	Makkah	-	Saudi Arabia
Tel. No. (Office)	Telephone No. (Home)	Fax No.	Mobile No.
			0504527465
E-mail (1)	kmtakroni@uqu.edu.sa	E-mail (2)	K_kmt7@hotmail.com
Academic Title		Others Titles (Specify)	
Institute/University	Country	College/Directorate	Department
Um Alqura	makkah	College of applied since	chemistry
Nationality	Date of Birth	Country of Birth	
Saudi	1-1-1392H	makkah	
Languages	Arabic		
Major field	Specialization field		
chemistry	Inorganic chemistry		
PhD Thesis Title			
Chemical and spectroscopic studies of some transition metal complexes with some thiourea derivatives			
MSc Thesis Title			
Physico-chemical studies on some polymer complexes			
Key words which describe your field	Transition metal	Coordination compound	ligand octahedral
Qualifications			
Degree	Date awarded	Institute/University	Country
Ph.D.	1432H	King Abdulaziz University	Saudi Arabia
M.Sc	1421H	UM Alqura University	Saudi Arabia
B.sc	1415H	UM Alqura University	Saudi Arabia
Work Experience			
Date: From - To	Position	Institute/University	Country
1433H – Untel now	Assistant professor	UMM Alqura University	Makkah
	lecturer	UMM Alqura University	Makkah





1424H	demonstrator	UM alqura university	Makkah
Scientific Activity			
Current research interest:			
<ul style="list-style-type: none">- Preparation and characterization of metal complex- Biological applications of polymers			
Publications			





Staff Members of Analytical Chemistry





25

Publications

Curriculum Vita				
Name		Mohammed Abdul Aziz Ahmed Hajjaji		
P.O. Box	City	Postal Code	Country	
495	Makkah	21955	Saudi Arabia	
Tel. No. (Office)	Telephone No. (Home)	Fax No.	Mobile No.	
	----	0096625270000	+966504547800	
E-mail (1)	mahajjaji@uqu.edu.sa	E-mail (2)		
Academic Title	Prof	Others Titles (Specify)		
Institute/University	Country	College/Directorate	Department	
Umm Al-qura	Saudi Arabia	Applied Sciences	Chemistry	
Nationality		Date of Birth	Country of Birth	
Saudi		8/4/1951	Saudi Arabia	
Languages		Arabic	English	
Major field		Specialization field		
Analytical Chemistry		Metal determination		
PhD Thesis Title				
Trace Metal Determination by Enzyme Inhibition				
MSc Thesis Title				
Detection of Drugs by Inhibition of Acetylcholinesterase after Thin-Layer Chromatographic Separation				
Key words which describe your field	Metal Determination	Polarography	Differential Scanning Calorimetry	Complexes
Qualifications				
Degree	Date awarded	Institute/University	Country	
B.Sc. in Chemistry	1393 H	King Saud	KSA	
Master	1395 H	Birmingham University, Faculty of Science and Engineering	UK	
Ph.D	1400 H	Birmingham University, Faculty of Science and Engineering	UK	



Work Experience			
Date: From - To	Position	Institute/University	Country
1409 – Now H	professor	Chemistry Department, Faculty of Applied Sciences, Umm Al-Qura University, Makkah	KSA
1404 -1409 H	Associate professor	King Saud	KSA
1400 1404 H	Assistant professor	King Saud	KSA
1393 – 1400 H	Demonstrator	King Saud	KSA
Scientific Activity			
Scientific Research Studies on Different Analytical Applications			
Publications			
1- Indirect Polarographic Determination of Carbonyl Compounds Based on Their Reaction with Hydroxylamine, <i>J. Chem.Soc.Pak</i> , 1981. 2- Indirect Atomic Absorption Method for Ascorbic Acid in Tablets, <i>J. Chem. Soc. Pak.</i> , 1982. 3- Indirect Polarographic Method for the Determination of Periodate Oxidizable Organic Compounds, <i>Analytical Letters</i> , 1982. 4- Determination of Lead and Cadmium in Soils by Atomic Absorption Extraction Method, <i>Intern. J. Environ. Analytical Chemistry</i> , 1983. 5- Spectrophotometric Determination of Silver and Mercury, <i>J. Chem. Soc. Pak.</i> , 1983. 6- Indirect Polarographic Method for Periodate Determination, <i>J. Coll. Sci. King Saud Univ.</i> , 1984. 7- The Polarographic Reduction of 2,4,6,-Trinitrophenyl-aminoacids, <i>Analytica Chimica Acta</i> , 1984. 8- A Kinetic Study on the Determination of Hydrazine by Iodine in Sulphuric Acid Media, <i>J. Chem. Soc. Pak.</i> , 1985. 9- Spectrophotometric Determination of Micro Amounts of Ascorbic Acid in Citrus Fruits Using Iron(III) and Dimethylglyoxime, <i>Orien. J. Chem.</i> , 1986. 10- 2,4,6,-Trinitrophenyl-amino Acid Derivatives as Spectrophotometric Reagents for Sulfur Dioxide, <i>Analytical Letters</i> , 1984. 11- Spectrofluorimetric Determination of Antimony, <i>Analytical Letters</i> , 1986. 12- Differential Thermal Analysis as an Acidity Probe in Zeolites Catalysts, <i>Analytical Letters</i> , 1986. 13- The Application of 2,4,6,-Trinitrobenzene-1-sulphonic Acid in the Differential Pulse Polarographic Determination of Amines, <i>Analytica Chimica Acta</i> , 1986. 14- Gravimetric Determination of the Copper Group Cations as Sulphides through Homogenous Precipitation, <i>J. Coll. Sci. King Saud Univ</i> , 1986. 15- Titration of Cyanide with Silver or Mercury(II) using Nickel Dimethylglyoximate as the Indicator, <i>J. Coll. Sci. King Saud Univ.</i> , 1986. 16- Polarographic and Spectrophotometric Behaviour of Dimedone, Dimedone-mono-anil and Dimedone-di-anil, <i>Mans. Sci. Bull.</i> , 1986. 17- Reactivity of Bete-Diketones: Structure and Stability Constants of Complexes of Dimedone-2-phenylazo with Cu(II), Ni(II), Co(II), Zn(II), and Mn(II)., <i>Mans. Sci. Bull.</i> , 1986.			



- 18- **An Indirect Turbidimetric Method for the Determination of Nitrite, Analytical Letters, 1987.**
- 19- **A Selective Catalyst for the Alkylation of Benzene with n-Oct-1-ene, Erdol Kohle Erdgas Petrochemie, .1987**
- 20- **Differential Scanning Calorimetry Evaluates Relative Proportions and Strength of Acid-Sites in Catalytic Materials and Adsorbents, Analytical Letters, 1987.**
- 21- **Differential Scanning Calorimetry (DSC) Probes Acidity Strength Distribution in Catalytic Materials, Thermochemica Acta, 1987.**
- 22- **Spectrophotometric and Spectrofluorimetric Determination of Iodide By Extraction of Dichloriodin(I) anion with Rhodamine B, Analytica Chimica Acta, 1987.**
- 23- **Differential Pulse Polarographic Determination of Sulphate after Its Reduction to Hydrogen Sulphide, Analytica Chimica Acta, 1987.**
- 24- **Modification of (SABIC) Polyethylene through Gamma-Radiation-Induced Graft Copolymerization with Aromatic and Cyclic Type Monomers, King Abdul aziz City for Science and Technology, 1988.**
- 25- **Sorption of iron(II) and ruthenium(III)-triazine complexes on silica gel and its analytical applicability, Arabian J. Chem., 2013.**





35

Publications

Curriculum Vita				
Name		Amr Lotfy Saber Hefny		
P.O. Box	City	Postal Code	Country	
495	Makkah	21955	KSA	
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E-mail (1)	alhefny@uqu.edu.sa	E-mail (2)	alshefny@yahoo.com	
Academic Title	Associate Professor	Others Titles (Specify)		
Institute/University	Country	College/Directorate	Department	
Umm Al-Qura University	KSA	Applied Science	Chemistry	
Nationality	Date of Birth	Country of Birth		
Egyptian	July 1976	Egypt		
Languages	English	Arabic		
Major field	Specialization field			
Chemistry	Analytical Chemistry			
PhD Thesis Title				
"Electroanalytical, Spectrophotometric, and Chromatographic studies on some pharmaceutical compounds"				
MSc Thesis Title				
"Electrochemical studies on some organic compounds by using modern electroanalytical techniques"				
Key words which describe your field	Environmental analysis	Pharmaceutical analysis	HPLC, ISE and spectrophotometric analysis	
Qualifications				
Degree	Date awarded	Institute/University	Country	
Ph.D.	2007	Zagazig and Oslo Universities	Egypt, Norway	
MSc	2003	Zagazig University	Egypt	
BSc	1998	Zagazig University	Egypt	
Work Experience				
Date: From – To	Position	Institute/University	Country	



Feb. 2011 till now	Associ. Prof	Chemistry Department, Faculty of Science, Umm Al Qura University	KSA
Feb. 2008- August 2009 .	Assist. Prof.	LEMA, La-Rochelle University.	France
2007-2012	Lecturer	Chemistry Department, Zagazig University	Egypt
August 2005-August 2006	Researcher	Chemistry Department, Oslo University	Norway

Scientific Activity

1. Development of new analytical procedures for the detection and trace determination of pharmaceuticals, pesticides and heavy metals in formulations, biological and environmental samples.
2. Comprehensive knowledge in assigning mechanistic and kinetic studies of several electrodes process.
3. Well experienced in the field of modified electrodes.

Publications

Patents:

- 1- **Title of invention:** Novel Ionophore for Aluminum Ion Sensors: Synthesis and Analytical Characterization in Waste Water, US 20140339079 A1.
- 2- **Title of invention:** Potentiometric device and method selective for pioglitazone, Jun 26, 2014, US 20140174952 A1.

List of publications and conferences attendance:

1. Amr L. Saber and Reem K. Shah "**RAMAN MICROPROBE SPECTROSCOPY MEASUREMENTS OF RESIDUAL STRESS DISTRIBUTION A LONG BLISTERS IN α -Cr2O3 THIN FILMS OF NiCr50**" SYLWAN, 160(12), 2016, 90-105.
2. Mohamed A. F. Elmosallamy and Amr L. Saber "**Recognition and quantification of some monoamines neurotransmitters**" Electroanalysis J, 28(10), 2016.
3. Amr L. Saber and Abd El-Shafey Ahmed "**Novel Ionophore for Aluminum Ion Sensors: Synthesis and Analytical Characterization**" Vol. 16, Issue 15, Pages 5867 - 5874, DOI: 10.1109/JSEN.2016.2561199, IEEE Sensors J. 2016.
4. Amr L. Saber and Tahani M. Bawazeer "**Spectrophotometric determination of pioglitazone in bulk and pharmaceutical formulations through ion-pair and charge transfer complexes formation**" Jokull Journal, Vol 66, No.3, 2016, 102-120.
5. Amr L. Saber, "**New potentiometric sensor for the determination of bromate ion in drinking water**, J. Electroanalysis, 2015, 28, 860 – 867.
6. Amr L. Saber and Reem K. Shah "**Novel Potentiometric Sensors for Determination of Pioglitazone in Biological Samples and in Pharmaceutical Formulations**" *Int. J. Electrochem. Sci.*, 9(2014)4374.
7. Tamer A. Ali, Amr L. Saber, Gehad G. Mohamed, Tahani M. Bawazeer "**Determination of Cr(III) ions in Different Water Samples Using Chromium(III)-sensor Based on N-[4-(dimethylamino) benzylidene]-6-nitro-1,3-benzothiazol-2-amine**" *Int. J. Electrochem. Sci.*, 9 (2014) 4932.
8. Ghoneim M., Amr L. Saber and Hanaa El-Desoky "**Utility Spectrophotometric and Chromatographic Methods for Determination of Antidepressant Drug Sulpiride in Pharmaceutical Formulations and**





Plasma" *J Anal Bioanal Tech* 5: 183. doi:10.4172/2155-9872.1000183(2014).

9. Amr L. Saber, **"A PVC Membrane Sensor for Potentiometric Determination of Atorvastatin in Biological Samples and Pharmaceutical Preparations"** *Electroanalysis J.*, Volume 25, Issue 12, pages 2707–2714, December 2013.
10. Amr L. Saber, Mohamed A. Elmosallamy, Hamada M. Killa, Mohamed M. Ghoneim **"Selective potentiometric method for determination of flucloxacillin antibiotic"** *J. Tai. Uni. Sci.* 7(2013) 339–344.
11. A. L. Saber, M. M. Ali **"A novel potentiometric membrane sensor for determination of anticoagulant drug based on 5-amino-3-methylisothiazole "** *J. Food and Drug Anal.*, Volume 120, Issue 2, 10, 2012, Pages 450-456.
12. Amr L. Saber, Gamal O. El –Sayed **"Extractive Spectrophotometric Determination of Anti-inflammatory Drug Nimesulide in Pharmaceutical Formulations and Human Plasma"** *Journal of Food and Drug Analysis*, Vol. 19, No. 3, 2011, Pages 1-6.
13. Amr L. Saber, Alaa S. Amin **"Utility of Ion-Pair and Charge Transfer Complexation for Spectrophotometric Determination of Domperidone and Doxycycline in Bulk and Pharmaceutical Formulations"** *J Anal Bioanal Techniques*, Volume 1 • Issue 3 • 1000113 (2011) 1-6.
14. Amr L. Saber, Jean F. Dinhut **"Growth Stresses in α -Cr₂O₃ Thermal Oxide Films of FeCr₅₀ Determined by Ex-Situ High Temperature Raman Spectroscopy"** (*I.RE.CH.E.*), 2 (2010) 7, 891-894.
15. Amr L. Saber **"Novel potentiometric sensors for determination of melatonin and oxomemazine in biological samples and in pharmaceutical formulations"** *Electroanalysis J.* 22 (2010) 24, 2997 – 3002.
16. Alaa S. Amin, Amr L. Saber and T. Y. Mohammed **"Study on Solid Phase Extraction and Spectrophotometric Determination of Vanadium with 2,3-Dichloro-6-(2,7-dihydroxy-1-naphthylazo) quinoxaline"** *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 73 (2009) 195-200.
17. Amr L. Saber, **"On-line solid phase extraction coupled to capillary LC-ESI-MS for determination of fluoxetine in human blood plasma"**; *Talanta* 78 (2009) 295–299.
18. A. S. Amin, M. A. El-Mossalamy, H. M. Killa, and A. L. Saber **"Three Spectrophotometric Methods for the Determination of Oxomemazine Hydrochloride in Bulk and Pharmaceutical Formulations Using Bromocresol Green, Congo Red, and Methyl Orange"** *J. Analytical Letters*, 41: 80–89, 2008.
19. A. L. Saber, M. A. El-Mossalamy, A. S. Amin, and H. M. Killa **"Liquid Chromatographic and Potentiometric Methods for Determination of Clopidogrel"** *J. Food and Drug Analysis*, Vol. 16, No. 2, 2008.
20. Amr L. Saber, **"Determination of pioglitazone hydrochloride in tablets by high-performance liquid chromatography,"** *Pakistan Journal of Analytical and Environmental Chemistry*, vol. 9, no. 2, pp. 118–121, 2008.
21. A. L. Saber, S. R. Wilson, M. A. F. Elmosallamy, E. Lundanes, T. Greibrokk, **"Determination of oxomemazine in human plasma by capillary LC-ESI-MS"**, *J. Liq. Chromatogr. & Rel. Tech.*, 30, 393–403, 2007.
22. Mohamed A. F. Elmosallamy; Mohamed M. Ghoneim; Hamada M. A. Killa; and Amr L. Saber; **"Potentiometric Membrane Sensor for Determination of Saccharin"**; *Microchim Acta*; 151; 109; (2005).
23. M. A. El-Mossalamy, A. S. Amin, H. M. Killa and A. L. Saber **"Selective Liquid Chromatographic and Potentiometric Methods for Determinations of Oxomemazine in Pure Form and in Pharmaceutical Formulations "** has been accepted for **Journal of Acta Pharmaceutical** (En-Press).
24. Amr L. Saber, Hanaa El-Desoky, Mohamed M. Ghoneim **"Comparative validation of sulphuride determination in pharmaceuticals by several spectrophotometric and chromatographic methods"** has been accepted in Taibah International Chemistry Conference 2010, March 21-24, Taibah University, Al-Madinah Al-Munawarah,





Saudi Arabia.

25. Amr L. Saber, Jean F. Dinhut "**Growth Stresses in α -Cr₂O₃ Thermal Oxide Films of FeCr₅₀ Determined by Ex-Situ High Temperature Raman Spectroscopy**" has been published in 2nd International Conference on Chemical Engineering and Advanced Materials CEAM 2010-VF November 15th - 26th, 2010, **Napoli, Italy**.
26. Amr L. Saber, and Alaa S. Amin " **Spectrophotometric Methods for the Determination of Domperidon and Doxycycline in Bulk and Pharmaceutical Formulations** " has been accepted in Taibah International Chemistry Conference 2009, March 23-25, Taibah University, Al-Madinah Al-Munawarah, Saudi Arabia.
27. Amr L. Saber, "**Iron-selective poly(vinyl chloride) membrane electrode based on norfloxacin as a neutral carrier**" has been accepted in Zing Conferences, February 8-11, 2009. Ltd.40 Leys Avenue Cambridge CB4 2AW United Kingdom.
28. Amr L. Saber, "**Selective Potentiometric Sensors for Determination of Melatonin and Oxomimazine in Urine and Pharmaceutical Formulations Using Ammonium Reineckate and Bismus Tetraiodate**" has been accepted in Egyptian Society of Analytical Chemistry 8th International Symposium on New Trends in Chemistry. 2nd Congress of African Societies of Chemistry. Chemistry and National Development, **3-7 January 2009, Cairo University**
29. M. A. El-Mossalamy, A. S. Amin, H. M. Killa and A. L. Saber "**Selective Liquid Chromatographic and Potentiometric Methods for Determinations of Oxomemazine in Pure Form and in Pharmaceutical Formulations** " has been accepted for **International Conference on Chemistry (Chem. 05) "Green and Sustainable Chemistry for Developing Countries" Cairo, Egypt 3-6 March 2008.**
30. A. S. Amin, M. A. El-Mossalamy, H. M. Killa and A. L. Saber "**Three Spectrophotometric Methods for the Determination of Oxomemazine Hydrochloride in Bulk and Pharmaceutical Formulations Using Bromocresol Green, Congo Red, and Methyl Orange**" has been accepted for **International Conference on Chemistry (Chem. 05) "Green and Sustainable Chemistry for Developing Countries" Cairo, Egypt 3-6 March 2008.**
31. Amr L. Saber, "**On-line SPE-capillary LC-ESI-MS for Rapid and Sensitive Determination of Fluoxetine in Human Plasma**" has been accepted for **International Conference on Chemistry (Chem. 05) "Green and Sustainable Chemistry for Developing Countries" Cairo, Egypt 3-6 March 2008.**
32. Mohamed M. Ghoneim; Hamada M. A. Killa; Mohamed A. F. Elmosallamy; and Amr L. Saber; "**Polarographic and Cyclic Voltammetric Methods for Determination Thiazole Derivatives**" has been accepted for **The Fifth International Conference on Electrochemistry ICE-V, Luxor, Egypt (13-16) February 2006.**
33. A. L. Saber, E. Lundanes, T. Greibrokk, "**Determination of Oxomemazine Hydrochloride in Expectorant Syrup by High-Performance Liquid Chromatography**", Dept. Chem., Internal Reports, University of Oslo, P.O. Box 1033, Blindern, 0315 Oslo, Norway, February 2006.
34. Amr L. Saber, E. Lundanes, T. Greibrokk, "**Determination of Pioglitazone Hydrochloride in Tablets by High-Performance Liquid Chromatography**", Dept. Chem., Internal Reports, University of Oslo, P.O. Box 1033, Blindern, 0315 Oslo, Norway, December 2005.
35. Amr L. Saber; Mohamed A. F. Elmosallamy; Mohamed M. Ghoneim; and Hamada M. A. Killa; "**Potentiometric Membrane Sensor for Determination of Saccharin**" had been accepted by **Egyptian Society of Analytical Chemistry (The Sixth International Symposium on New Trends in Chemistry, Analytical Chemistry and Society)**, Cairo, 4-8 Jan. 2003.





Curriculum Vita

Name		Enas Hussain Aljuhani	
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9168	Makkah	21955	Saudi Arabia
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-	-	-	0504514780
E-mail (1)	ehgohani@uqu.edu.sa	E-mail (2)	Dr.enaschem@gmail.com
Academic Title	Assistant professor	Others Titles (Specify)	
Institute/University	Country	College/Directorate	Department
Umm Al-Qura University	Saudi Arabia	College of Applied Science	Chemistry
Nationality	Date of Birth	Country of Birth	
Saudi	31 Mar 1976	Saudi Arabia	
Languages	Arabic	English	
Major field	Specialization field		
Chemistry	Analytical Chemistry		
PhD Thesis Title			
Novel Methods for the Chromatographic Separation and Voltammetric Determination of Some Selected Inorganic Pollutants and Food Colors in Industrial Wastewater			
MSc Thesis Title			
Analytical Studies of Some Benzodiazepine Derivatives in Different Pharmaceutical Compounds			
Key words which describe your field	Electroanalysis	Industrial wastewater	Pharmaceutical compounds
Qualifications			
Degree	Date awarded	Institute/University	Country
Bachelor	1997	Umm Al-Qura University	Saudi Arabia
Master	2004	Girls College of Education - Jeddah	Saudi Arabia
PhD	2009	King Abdul Aziz University	Saudi Arabia
Work Experience			
Date: From - To	Position	Institute/University	Country
1433 - 1433 H	Deputy of	Umm Al-Qura University	Saudi Arabia





	Chemistry department		
Scientific Activity			
Research Interests:			
<ol style="list-style-type: none"> 1- Applications of extracting agents for the removal, recovery and determination of some pollutants in different media. 2- Applications of electroanalytical techniques. 3- Applications of modified electrodes in analytical chemistry. 4- Water technology 5- Management of industrial wastewater. 6- Management of chemical waste. 7- Environmental chemistry. 8- Pharmaceutical chemistry. 			
Experience with the following techniques:			
<ol style="list-style-type: none"> 1- UV-Visible spectrophotometry. 2- Thin layer chromatography. 3- HPLC. 4- IR spectrophotometry. 5- Dynamic mode in liquid-solid chromatography. 6- Voltammetric techniques. 			
Publications			
<ol style="list-style-type: none"> 1- M.S. El-Shahawi, A.S. Bashammakh, A.A. Al-Sibaai, S.O. Bahaffi, E.H. Al-Gohani, Chemical speciation of antimony(III and V) in water by adsorptive cathodic stripping voltammetry using the 4-(2-thiazolylazo)-resorcinol, <i>Electroanalysis</i>, 23 (2011), pp. 747–754. 2- N.M. Mostafa , E.H. AlGohani , Spectrophotometric and titrimetric methods for the determination of nordiazepam impure and pharmaceutical dosage form, Journal of Saudi Chemical Society 14 (2010) 9-13 3- M. Mostafa , S.A.Abdel Razaq, E.H. AlGohani, Stability indicating method for the determination of clonazepam and nordiazepam each in presence of its degradation product, Egypt.J. Pharm.Sci. 46 (2005) 101-113. 4- -Headspace sorptive solid phase microextraction (HS-SPME) combined with a spectrophotometry system: A simple glass devise for extraction and simultaneous determination of cyanide and thiocyanate in environmental and biological samples. H.M. Al-Saidi, Sami A. Al-Harbi, E.H. Aljuhani, <i>Talanta</i> 159 (2016) 137-142. 5- -Synthesis and molecular docking against dihydrofolate reductase of novel pyridine-N-ethyl-N-methylbenzenesulfonamides as efficient anticancer and antimicrobial agents.Khaled F. Debbabi, Mahmoud S. Bashandy, Sami A. Al-Harbi, Enas.H. Aljuhani, Hamed.M. Al-Saidi, <i>Journal of Molecular Structure.</i>(in press). 6- -Study of reactivity of cyanoactetohydrazonoethyl-N-ethyl-N-methyl benzenesulfonamide derivatives and their molecular docking aginstdihydroolate reductase. Khaled F. Debbabi, Sami A. Al-Harbi, Hamed.M. Al-Saidi, Enas.H.Aljuhani , Shima M. Abd El-Gilil, Mahmoud S. Bashandy, <i>Journal of Enzyme Inhibition and Medicinal Chemistry.</i>(in press) 			

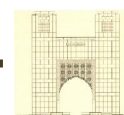




13

Publications

Curriculum Vita			
Name	Reem Kamal Jafar Shah		
P.O. Box	City	Postal Code	Country
1559	Makkah	21955	Saudi Arabia
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			0554516465
E-mail (1)	rkshah@uqu.edu.sa	E-mail (2)	Reem.shah@hotmail.com
Academic Title	Assistant professor	Others Titles (Specify)	
Institute/University	Country	College/Directorate	Department
Umm-AL Qura	Makkah	Applied Science	Chemistry
Nationality	Date of Birth	Country of Birth	
Saudi	18/12/1975	Makkah	
Languages	Arabic	English	
Major field	Specialization field		
Chemistry	Analytical Chemistry		
PhD Thesis Title			
<i>Preconcentration and Atomic Absorption Spectrometric Determination of Some Metals</i>			
MSc Thesis Title			
<i>Studies on the Corrosion Behavior of Copper and Alloys in Acidic Media Containing Some Organic Compounds</i>			
Key words which describe your field	Analytical chemistry Atomic absorption spectrometry Electro analytical spectro analytical	Environmental analytical chemistry Electroanalytical chemistry	volumetric analysis Electro analytical and Spectrochemical Methods of Analysis
Qualifications			
Degree	Date awarded	Institute/University	Country
B.sc	1418h	Umm- Al Qura University	Makkah
M.sc	2004	Umm- Al Qura University	Makkah
Ph.D	2011	Umm- Al Qura University	Makkah
Work Experience			
Date: From - To	Position	Institute/University	Country
2012	Vice chairman of chemistry at girls campus	Umm- Al Qura	Makkah



		University	
2096-2006	Laboratory technician in chemistry department for ten years.	Umm- Al Qura University	Makkah
2006-2011	Instructor in chemistry department since 2006.	Umm- Al Qura University	Makkah
2011 till now	Assistant Professor of Analytical Chemistry Since 2011 till now.	Umm- Al Qura University	Makkah
2011 till now	Vice head of chemistry department faculty of applied science since 2012 till now.	Umm-Al Qura University	Makkah

Scientific Activity

Analytical chemistry - Atomic absorption spectrometry- Electro analytical- spectro analytical Environmental analytical chemistry- Electroanalytical chemistry- volumetric analysis Electro analytical and Spectrochemical Methods of Analysis – preconcentration-spectrophotometric micro determination- potentiometric Sensors for Determination

Publications

1-Atomic Absorption Spectrometric Determination of Iron, Copper and Palladium after Preconcentration Using Amperlite IRC50 Functionalized With NRS

Reem k shah and Mohamed M. El Defrawy 11th ICCRD Mansoura & Sharm El-Sheikh ,April 11-16, 2011

2- α - Furil Dioxime:DFT Exploration and its Experimental Application to the Determination of Palladium by Square Wave Voltammetry

M. G. Elghalban, A.M.El Defrawy , R.shah and M. A. Morsi (in Preparation) Int. J. Electrochem.Sci.,9(2014)2379-2396.

3- corrosion monitoring of sabic iron in hydrochloric acid solution using some azo compounds-Molecular dynamics,chemical and electrochemical studi

H.Shkry , E.M.abrouk and R.Shah

(JAC) Editor Decision – Journal of advances in chemistry , October 25 ,2013

Vol . 5 , No . 1

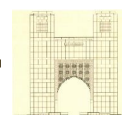
4- Highly Selective Determination of Pioglitazone in urine and Pharmaceutical Formulations by Novel PVC-Membrane sensors

Amr L.Saber and Reem K.Shah ,Received:3 April 2014 ,Int J.Electrochem.Sci.,9(2014)xx-yy

5- Separation,Preconcentration and Determination of Total Mercury in Aqueous and Biological Samples by cold vapour Atomic Absorption Spectrometry

Mohammed M.El-Defrawy , Weam M.Abo El-Maaty, Reem K.Shah and Nermeen M. Arman, Journal of American Science 2014 ,10(7).

6- The use of meloxicam in the presence of Triton X-100 for spectrophotometric micro determination of vanadium(III)in real samples





Mohammed A.Kassem and Reem K.Shah, International Journal of Research in Chemistry and Environment, Volume: ISSUE 4,:3:July2014/

7- Novel potentiometric Sensors for Determination of Pioglitazone in Biological Samples and in Pharmaceutical Formulations

Amr L.Saber , Reem K.Shah

At Biosensors2014, 27-30

8- Elaborated spectral analysis and modeling calculations on Co(II), Ni(II), Cu(II), Pd(II), Pt(II), and Pt(IV) nanoparticles complexes with simple thiourea derivative

Gamil A.A. Al-Hazmia; Adel A. El-Zahhar; Khlood S. Abou-Melha; Fawaz A. Saad; Mohamed H. Abdel-Rhman; **Abdalla M. Khedr**; Nashwa M. El-Metwaly

Journal of Coordination Chemistry, 68 (6), 993-1009 (2015).

9- A Raman Spectroscopy Study of Chromium(III)Oxide in a Chromium-50 wt.% Nickel Alloy.

Amr L. Saber and Reem K .Shah, J Salwan.English Edition,Printed in Poland , *ISSUE, 2016.*

10- Illustration for series of new metal ion complexes extracted from pyrazolone derivative, spectral, thermal, QSAR, DFT/B3LYP, docking and antitumor investigations.

Fawaz A. Saad , Nashwa M. El-Metwaly, Thoraya A. Farghaly, Marwa G, Elghalban, Reem K. Shah, Gamil A. Al-Hazmi, Karmel A. Saleh, Mohammad Y. Alfaifi. *Journal of Molecular Liquids, ISSUE, 2016.*

11- Effect of Silver (I) Catalyst on The Oxidation of L-Asparagidine by Alkaline Hexacyanoferrate(III): A Kinetic and Mechanistic Approach.

Ahmed Fawzy, Ishaq Zaafarany, Ameenah Al-Bonayan, Zakiya Al-Mallah, Reem Shah. *Journal Modern Chemistry, ISSUE, 2016.*

12- Spectrophotometric Micro Determination of Silver(I) Using Meloxicam as a New Analytical Reagent.

Reem K. Shah, *ORIENTAL JOURNAL OF CHEMISTRY, VOL.32, NO.(1) , ISSUE, 2016.*

13- Ligational, Potentiometric and Flotation Studies on Cu(II) Complexes of Hydrazones Driven From P and o-Vanillin Condensed with Diketohydrazide.

Reem K. Shah, *Journal Of Molecular Liquids, ISSUE, 2016*



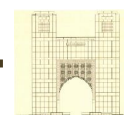


Curriculum Vita			
Name	Zakiah Dhaif Allah Mohammed Al Mallah		
P.O. Box	City	Postal Code	Country
	Makkah		Saudi Arabia
Tel. No. (Office)	Telephone No. (Home)	Fax No.	Mobile No.
E-mail (1)	zdmallah@uqu.edu.sa	E-mail (2)	
Academic Title	Associate Professor	Others Titles (Specify)	
Institute/University	Country	College/Directorate	Department
Umm Al qura	Saudi Arabia	Applied Science	Chemistry
Nationality	Date of Birth		Country of Birth
saudian	25 / 3 / 1392 H		Saudi Arabia
Languages	Arabic		
Major field		Specialization field	
Chemistry		Analytical chemistry	
PhD Thesis Title			
Utility of different analytical methods for the microdetermination of some recent antibiotics.			
MSc Thesis Title			
Spectrophotometric determination of some cephalosporins			
Key words which describe your field	Analytical	Spectrophotometric	Antibiotics
Qualifications			
Degree	Date awarded	Institute/University	Country
B.Sc. in chemistry	16 / 9 / 1415 H	Umm Al qura	Saudi Arabia
M.Sc. d in Analytical Chemistry	13 / 3 / 1422 H	Umm Al qura	Saudi Arabia
Ph.D. in analytical chemistry	4/4/1432 H	King Abdul Azeez University	Saudi Arabia
Work Experience			
Date: From – To	Position	Institute/University	Country
From 9/2/1433 H to 28/2/1434 H	Head of activity student center	Umm Al Qura University	Saudi Arabia





From 8/9/1434 H to 8/3/1435H	Deputy of chemistry department .	Umm Al Qura University	Saudi Arabia
From 16/2/1435 H to 16/2/ 1436 H	Academic coordinator of faculty of applied science.	Umm Al Qura University	Saudi arabia
Scientific Activity			
1- Determination of some of drugs and antibiotics. 2- Determination of some trace metals by voltammetric methods. 3- Pollution of water.			
Publications			
1- Ayman A. Gouda and Zakia Al Malah, "Development and validation of sensitive spectrophotometric method for determination of two antiepileptics in pharmaceutical formulations", Spectrochimica acta part A, Molecular Spectroscopy 105 (2013) 488-496.			





10

Publications

Curriculum Vita			
Name		Marwa Galal Mohamed Elghalban	
P.O. Box	City	Postal Code	Country
	Mansoura		Egypt
Tel. No. (Office)	Telephone No. (Home)	Fax No.	Mobile No.
			0502456079
E-mail (1)	mgelghalban@mans.edu.eg	E-mail (2)	mgelgahlban@yahoo.com
Academic Title	Doctor	Others Titles (Specify)	<i>Assistant Professor</i>
Institute/University	Country	College/Directorate	Department
Umm Al-Qura	KSA	Faculty of Applied Science	Chemistry
Nationality	Date of Birth		Country of Birth
Egyptian	1-1-1979		Mansoura
Languages	English	Arabic	
Major field		Specialization field	
Chemistry		Electroanalytical Chemistry	
PhD Thesis Title			
"Upgrading Quantification Limit Of Metal Ions By Stripping Voltammetric Measurements Via Selected Organic Additives			
MSc Thesis Title			
Reactivity of β -Diketones and their Derivatives at Dropping Mercury Electrode			
Key words which describe your field	Stripping voltametry, Electrochemical	Trace metal analysis, Cyclic voltammetry,	Polarography, Modified electrode, Dropping mercury electrode
Qualifications			
Degree	Date awarded	Institute/University	Country
PhD	2012	Mansoura University	Egypt
MSc	2005	Mansoura University	Egypt
BSc	1999	Mansoura University	Egypt
Work Experience			
Date: From – To	Position	Institute/University	Country
2012-till now	Assistant Prof.	Umm Al-Qurra	KSA
2012-till now	Lecturer	Mansoura University	Egypt





2005-2012	Ass. Lecturer	Mansoura University	Egypt
1999-2005	Demonstrator	Mansoura University	Egypt
Scientific Activity			
<p>- Determination of trace metal in very low concentration (ppb, ppt) through complexation with the metal ion obtaining a sensitive analytical procedure using stripping voltammetric technique.</p> <p>- Explain the electrochemical behavior of organic and inorganic compounds using cyclic voltammetry .</p> <p>- Polarography and its application in determination of organic compounds.</p>			
Publications			
<p>1- Elaborated studies on Nano-sized homo-binuclear Mn(II), Fe(III), Co(II), Ni(II) and Cu(II) complexes derived from N2O2 Schiff base, molecular modeling, drug-likeness, kinetics, spectral and thermal. Reem K. Shaha, Khlood S. Abou-Melhab, Fawaz A. Saada, Tarek Yousef, Gamil A.A. Al-Hazmi, Marwa G. Elghalbana, Abdalla M. Khedra, and Nashwa El-Metwaly <i>Journal of Thermal Analysis and Calorimetry</i>, 2015,1-13</p> <p>2 - α-Furil Dioxime: DFT Exploration and its Experimental Application to the Determination of Palladium by Square Wave Voltammetry. Marwa G. Elghalban, Ahmed M. El Defrawy, Reem K. Shah, Mohamed A. Morsi <i>Int. J. Electrochem. Sci.</i>, 9,2014, 2379 – 2396.</p> <p>3 - Determination of Lead by Square Wave Adsorptive Stripping Voltammetry Using Ammonium Pyrrolidine Dithiocarbamate. M. A. Morsi, A. M. A. Hilmy, H. A. Etman, A. M. A. Ouf, and Marwa G. Elghalban <i>Journal of American Science</i>,7(6), 2011,1173-1179.</p> <p>4 - Polarographic and Spectrophotometric Behavior of 4- hydroxy-5- Methyl- Cyclopentene-1,3-dione and its 2-phenylazo Substituted Derivative Ahlam M.A.Helmy; UsamaEl- Ayaan and Marwa G. Elghalban 8th ICCRD Mansoura & Sharm El-Sheikh ,April 11-14, 2005</p> <p>5 - Reactivity of pyrimidines: Polarographic and spectroscopic behavior of 1,3 -dimethyl barbituric acid and its 5-phenylazo substituted derivatives . Ahlam. M. A. H, Usama. I. E, Marwa G. Elghalban 10thICCRD Mansoura & Sharm El-Sheikh, March 16-21, 2009.</p> <p>6- Hartree-Fock, molecular docking, spectral, kinetic and antitumor considerations for cobalt, nickel, palladium and platinum (II)- bis carbothiohydrazide complexes Nashwa M. El – Metwaly and Marwa G. El-Ghalban <i>Journal of Molecular Liquids</i> 220 (2016) 265–276</p> <p>7- Molecular docking and DFT studies on some nano-meter binuclear complexes derived from hydrazine-carbothioamide ligand, synthesis, thermal, kinetic and spectral characterization Aisha Y. Al-Dawood , Nashwa M. El -Metwaly, Hoda A. El-Ghamry <i>Journal of Molecular Liquids</i> 220 (2016) 311–323</p> <p>8- Simulative aurintricarboxylic acid molecular docking with antitumor activity for its VO(II), Cr(III), Mn(II) and Fe(III) complexes, HF/DFT modeling, kinetic and elaborated EPR studies F. A. Saad, Jabir H. Al-Fahemi, N. M. El – Metwaly, N. Yarkandy, M. G. El-Ghalban, , G. A. Al-Hazmy and K. A. saleh <i>Accepted in Thermal analysis and Calorimetry journal, J Therm Anal Calorim, 10/12/2016</i></p>			



9- Elaborated studies for novel nano-sized VO(II), Mn(II), Co(II), Ni(II) and Cu(II) ion complexes derived from pyrazolone derivative, synthesis, spectral characterization, DFT/ B3LYP, QSAR and molecular docking

Fawaz A. saad, Nashwa M. El-Metwaly, Thoraya A. Farghaly, Marwa G. El-Ghalban, Gamil A. Al-Hazmi, Kamel. A. saleh, Mohammad Y. Alfaifi

Journal of Molecular Liquids, proof on line , 9/12/2016

10- DFT/ B3LYP study for nanometer 4-(2,4-dihydroxy-5-formyl-phen-1-ylazo)-N-(4-methylpyrimidin-2-yl)benzenesulfonamide (H₂L) complexes; QSAR, docking, spectral and biological investigations

Fawaz A. Saad, Marwa G. Elghalban, Nashwa M. El-Metwaly, Hoda El-Ghamry, Abdalla M. Khedr

Accepted in Applied organometallic Chemistry, Journal, 4/11/2016





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Publications

Curriculum Vita				
Name		Mohammed Ahmed Elsayed Kassem		
P.O. Box	City	Postal Code	Country	
495	Makkah	21955	Saudi Arabia	
Tel. No. (Office)	Telephone No. (Home)	Fax No.	Mobile No.	
0096625270000	----	0096625270000	+966532175442	
E-mail (1)	makassem@uqu.edu.sa	E-mail (2)	maa_kassem@hotmail.com	
Academic Title	Assistant Prof	Others Titles (Specify)		
Institute/Univer sity	Country	College/Directorate	Department	
Umm Al-qura	Saudi Arabia	Applied Science	Chemistry	
Nationality		Date of Birth	Country of Birth	
Egyptian		14/1/1977	EGYPT	
Languages		Arabic	English	
Major field		Specialization field		
Analytical Chemistry		Spectrophotometry, heavy metal determination		
PhD Thesis Title				
Physicochemical Studies of Some Schiff base and Azo Compounds and Their Complexes				
MSc Thesis Title				
Chemical and analytical studies on of some transition metal complexes				
Key words which describe your field	Spectrophotometry	Heavy metals micro determination, bases and azo dyes	Drugs determination	Application s in real samples
Qualifications				
Degree	Date awarded	Institute/University	Country	
B.Sc. in Chemistry	1999	Benha Fac. of Science, University of Zagazig	Egypt	
Master	2005	Benha Fac. of Science, University of Zagazig	Egypt	
Ph.D	2009	Benha University	Egypt	



Work Experience			
Date: From - To	Position	Institute/University	Country
2013 – Present	Assistant professor	Chemistry Department, Faculty of Applied Sciences, Umm Al-Qura University, Makkah	Saudi Arabia
2010- 2013	Lecturer	Department of Chemistry, Fac. of Science, Benha University	Egypt
2005- 2010	Assistant Lecturer	Department of Chemistry Benha Fac. of Science, Zagazig University	Egypt
2000-2005	Demonstrator	Department of Chemistry Benha Fac. of Science, Zagazig University	Egypt
Scientific Activity			
<ul style="list-style-type: none"> Analytical Chemistry. Spectrophotometric determination of heavy metals, Drugs, and dyes. Water treatment using natural and chemical sorbents. Inorganic preparation of complexes with its application in life. Analytical Applications to determine heavy metals and drugs in real samples. 			
Publications			
<ol style="list-style-type: none"> I. S. Ahmed, M. A. Kassem, Synthesis, solvatochromaticity and bioactivities of some transition metal complexes with 2-(R-benzylideneamino)-pyridin-3-ol Schiff base derivatives, <i>Spectrochimica Acta Part A</i>: 77 (2010) 359–366. Alaa S. Amin, Mohammed A. Kassem, New SPE Sorbent for the Rapid and Sensitive Quantification of Aluminium in Food, Soil Extracts and Water Samples, <i>International Research Journal of Pure & Applied Chemistry</i>: 1(2011) 104-118. Mohammed A. Kassem, Alaa S. Amin, Chromium speciation in environmental samples using a solid phase spectrophotometric method, <i>Spectrochimica Acta Part A</i>: 96 (2012) 541–547. Alaa S. Amin, Mohammed A. Kassem, Optimization and Validation of Spectrophotometric Methods for Determination of Finasteride in Dosage and Biological Forms, <i>Pharmaceutical Methods</i>: 3 (2012) 48-55. Ayman A. Gouda, Mohamed Kassem, Novel spectrophotometric methods for determination of desloratidine in pharmaceutical formulations based on charge transfer reaction, <i>Arabian Journal of Chemistry</i>, xxx(2012) xxx-xxx Mohammed A. Kassem, Alaa S. Amin, Spectrophotometric determination of iron in environmental and food samples using solid phase extraction, <i>Food Chemistry</i>: 141 (2013) 1941-1946. Alaa S. Amin, Abdel-Azeem M. El-Sharjawy, Mohammed A. Kassem, Determination of thallium at ultra-trace levels in water and biological samples using solid phase spectrophotometry, <i>Spectrochimica Acta Part A</i>: 110 (2013) 262–268. Ahmed A. Aly, Mohammed A. Kassem, Alaa S. Amin, Determination of caffeine in roasted and irradiated coffee beans with gamma rays by high performance liquid chromatography, <i>Food Science and Quality Management</i>, Vol.22, (2013) 28-34, ISSN 2224-6088. M.A. Kassem, M.Y. Nassar, A.S. Amin, M. Behiry, Selective and sensitive spectrophotometric method for micro 			





- determination of cadmium in food and water samples, Bulletin of the Faculty of Science, Zagazig University, The Eighth International Environmental Conference (2013) 344-358.
- 10- Mohammed A. Kassem, Gamal O El-Sayed, Adsorption of Tartrazine on Medical Activated Charcoal Tablets under Controlled Conditions, Environmental Analytical Chemistry: 1 (2014) Volume 1 Issue 1
 - 11- Mohammed A. Kassem, Reem Kamal Shah, The Use of Meloxicam As a Green Analytical Reagent in the Presence of Triton X- 100 for Spectrophotometric Micro Determination of Vanadium(III) in Real Samples, International Journal of Research in Chemistry and Environment (IJRCE) E-ISSN 2248-9649, 4 (2014) 71-77.
 - 12- Mohammed A. Kassem, Alaa S. Amin, Determination of rhodium in alloy and water samples using cloud point extraction coupled with spectrophotometric technique, Spectrochimica Acta Part A: (Accepted 2014).
 - 13- M. Kassem, M.Y. Nassar, T.Y. Mohamed, K.F. Allan, M.A. Eliewa, Solvothermal synthesis, spectral and thermal analysis of nickel-N,N'-bis(salicylidene)-o-phenylenediamine complex, Egyptian Journal of Applied Sciences, 29 (2014) 28-39.
 - 14- Mohammed A. Kassem, Development of a cloud-point extraction method for spectrophotometric nano determination of silver in real samples, Anal. Methods, 2015, 7, 6747.
 - 15- Alaa S. Amin, Mohammed A. Kassem, Talaat Y. Mohammed, Utilization of cloud-point extraction for colorimetric determination of trace amounts of thorium(IV) in real samples, RSC Adv., 2015, 5, 52095.
 - 16- Mohammed A. Kassem, Omar A. Hazazi, T. Ohsaka, M. I. Awad, Electroanalysis of Pyridoxine at Copper Nanoparticles Modified Polycrystalline Gold Electrode, Electroanalysis, 2015, 27, 1 – 8.
 - 17- Mohammed A. Kassem, Nizar El Guesmi, Sensitive Kinetic Spectrophotometric Determination of Cyclobenzaprine HCl in Pure Form and Pharmaceutical Formulations, Analytical Chemistry Letters, 6 (2016) 657 – 668.
 - 18- Mohammed A. Kassem, Ismail I. Althagafi, Saleh A. Ahmed, Sensitive Spectrofluorimetric Study of the Interaction between Europium(III) and 1,2-Phenylenebis(azan-1-yl-1-ylidene)bis(methan-1-yl-1-ylidene)diphenol Schiff Base, J Fluoresc,
 - 19- Alaa S. Amin, Mohammed A. Kassem, Sayed M. N. Moalla, Determination of scandium in monazite and environmental samples using cloud point extraction coupled with a spectrophotometric technique, RSC Adv., 2016, 6, 73797.





Curriculum Vita			
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P.O. Box	City	Postal Code	Country
16722	Makkah	-	Saudi Arabia
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	-	-	0504536189
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Academic Title	Assistant professor	Others Titles (Specify)	-
Institute/University	Country	College/Directorate	Department
Um Al -Qura university	Saudi Arabia	Science	chemistry
Nationality	Date of Birth		Country of Birth
saudi	28/10/1400 H		Saudi Arabia
Languages	Arabic	English	
Major field		Specialization field	
chemistry		Analytical chemistry	
PhD Thesis Title			
Novel Electrochemical and Spectrofluorometric Methods for Analysis of Selected Organic and Inorganic Species in Complex Matrices			
MSc Thesis Title			
Analytical Studies on Chromatographic Separation and Determination of Some Organic and Inorganic Compounds			
Key words which describe your field	Chromatography	Modified electrode	Spectrofluorometry
Qualifications			
Degree	Date awarded	Institute/University	Country
PhD	30/4/1436	King Abdulaziz university	Saudi Arabia
MSc	8/4/1428	Um Al -Qura university	Saudi Arabia
Bachelor's	13/3/1422	Um Al -Qura university	Saudi Arabia
Work Experience			
Date: From - To	Position	Institute/University	Country
1431-1436	Lecturer	Um Al -Qura university	Saudi Arabia
Scientific Activity			
Determination of organic and inorganic compounds in environmental and biological samples by Electrochemical and			





Spectrofluorometric Methods.

Publications

1. G.I. Mohammed, A.S. Bashammakh, A.A. Alsibai, H. Alwael and M.S. El-Shahawi, A simple and highly –structured quercetin as fluorescent enhancement chemosensor for trace determination and speciation of tungsten species in water, Accepted by *Analytica Chimica Acta*, 2015.
2. G.I. Mohammed, A.S. Bashammakh, A.A. Alsibai and M.S. El-Shahawi, Dual Wave β -correction Spectrophotometric Determination and Chemical Speciation of Bismuth (III & V) Species, To be submitted to *Talanta*, 2015.
3. G.I. Mohammed, A.S. Bashammakh, A.A. Alsibai and M.S. El-Shahawi, A Highly sensitive electrochemical nanosensor based on Nafion/ MW-CNTs/GCE for determination of timolol maleate in pharmaceutical formulations and biological samples, Revised by *Analytica Chimic Acta*, 2015.
4. G.I. Mohammed, A.S. Bashammakh, A.A. Alsibai, H. Alwael and M.S. El-Shahawi, Sensitive voltammetric determination of timolol maleate in pharmaceuticals and human urine using a glassy carbon electrode, to be submitted to *Electroanalysis*, 2015.
5. G.I. Mohammed, A.S. Bashammakh, A.A. Alsibai, H .Alwael and M.S. El-Shahawi, Current sample pre treatment and analytical techniques for determination of biogenic amines in complex foodstuffs, To be submitted to *Talanta*, 2015.
6. G.I. Mohammed, A.S. Bashammakh, A.A. Alsibai , H. Alwael and M.S. El-Shahawi, A critical overview on chemistry, clean -up and analysis of biogenic amines in foodstuffs, To be submitted to *Analytica Chimic Acta*, 2015.
7. A critical overview on the chemistry, clean-up and recent advances in analysis of biogenic amines in foodstuffs
G.I. Mohammed a, A.S. Bashammakh b, A.A. Alsibai b, H. Alwael b, M.S. El-Shahawi
Trends in Analytical Chemistry 78(2016) 84-94





Curriculum Vita				
Name	Ahmed Mohamed Ahmed Hameed			
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	Makkah		Saudi Arabia	
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0125270000 ext 3113	0126231365		0556355512	
E-mail (1)	amhameed@uqu.edu.sa	E-mail (2)	amhu1405@hotmail.com	
Academic Title	Dr.	Others Titles (Specify)		
Institute/University	Country	College/Directorate	Department	
Umm Al-Qura University	Saudi Arabia	Applied Sciences	Chemistry	
Nationality		Date of Birth		Country of Birth
Saudi		28 - 05 - 1985		Saudi Arabia
Languages		Arabic	English	
Major field		Specialization field		
Chemistry		Analytical Chemistry		
PhD Thesis Title				
Development of Chromatographic Methods to Follow Heterogenous Organic Chemistry in Aerosols				
MSc Thesis Title				
Analysis for Trace Elements in Zamzam Water, Mineral Water and White Wines				
Key words which describe your field	Analytical Chemistry	Envinemental Chemistry	Chromatography GC-FID HPLC	Method Development
Qualifications				
Degree	Date awarded	Institute/University	Country	
B. Sc. Degree	2007	Umm Al-Qura University	Saudi Arabia	
M. Sc. Degree	2011	University of Huddersfield	UK	
Ph. D. Degree	2016	The University of Manchester	UK	
Work Experience				
Date: From - To	Position	Institute/University	Country	
2006-2007	Demonstrator	Umm Al-Qura University	Saudi Arabia	
2007-2008	Assistant	Umm Al-Qura University	Saudi Arabia	



	Lecturer		
2000-2007	Assistant Prof.	Umm Al-Qura University	Saudi Arabia
Scientific Activity			
<ol style="list-style-type: none"> 1. He has supervised on five (5) M. Sc. students (granted) and seven (7) Mchem. students (granted) during his Ph.D in the university of Manchester. 2. Participated and presented a poster in the Postgraduate Research Conference "School of Earth, Atmospheric and Environmental Sciences" The University of Manchester, Manchester, UK, 4th December 2013. 3. Participated and presented a poster in Sixth Scottish Postgraduate Symposium on Environmental Analytical Chemistry 'Royal Society of Chemistry, Glasgow and West of Scotland Section' 11th December 2013, University of Glasgow, Glasgow, UK. 4. Participated and presented a poster in the Seventh Saudi Students Conference (SSC2014) "Environment, Development, and Nanotechnology", Edinburgh International Conference Centre, Edinburgh University, 1st – 2nd February 2014, Edinburgh, UK. 5. Participated and presented a paper in the 23rd International Symposium on Gas Kinetics and Related Phenomena, (GK2014), Szeged, Hungary, 20-25 July 2014. 6. Participated in the meeting "Analytical and Physical Chemistry"; York University, 10th November 2015. 			





6

Publications

Curriculum Vita				
Name		Ali Abdu Sayqal		
P.O. Box		City	Postal Code	Country
		Makkah		Saudi Arabia
Tel. No. (Office)		Telephone No. (Home)	Fax No.	Mobile No.
				0544481510
E-mail (1)		aasayqal@uqu.edu.sa	E-mail (2)	a.saigal@hotmail.com
Academic Title		Dr.	Others Titles (Specify)	
Institute/University		Country	College/Directorate	Department
Umm Al-Qura University		Saudi Arabia	Applied Sciences	Chemistry
Nationality		Date of Birth		Country of Birth
Saudi Arabian		30 - 12 - 1985		Saudi Arabia
Languages		Arabic	English	
Major field		Specialization field		
Chemistry		Analytical Chemistry		
PhD Thesis Title				
An environmental metabolomics study of the effect of abiotic substance on <i>Pseudomonas putida</i> by employing analytical techniques				
MSc Thesis Title				
The Determination of Ethanol by FAIMS				
Key words which describe your field	Analytical chemistry	Chromatography and spectrometry	Biological activity	Data analysis
Qualifications				
Degree	Date awarded	Institute/University	Country	
B. Sc. Degree	2007	Umm Al-Qura University	Saudi Arabia	
M. Sc. Degree	2011	Loughborough University	United Kingdom	
Ph. D. Degree	2016	University of Manchester	United Kingdom	
Work Experience				
Date: From - To	Position	Institute/University	Country	
02/2007- 04/2007	Training	Laboratory of Saline Water Conversion Corporation	Saudi Arabia	



06/2007- 08/2007	Training	Saudi Aramco	Saudi Arabia
2007-2008	Lecture assistant	Umm Al-Qura University	Saudi Arabia
2016 till now	Assistant Prof.	Umm Al-Qura University	Saudi Arabia
Scientific Activity			
<p>45. Participate and presented a poster in the Metabomeeting 2015 at Cambridge University - UK (7-9/12/2015).</p> <p>46. Participate and presented a poster in the 7th Saudi Student Conference – UK (1-2/02/2014).</p> <p>47. Participate in the 9th International Conference of the Metabolomics Society – Glasgow, UK (1-4/07/2014).</p> <p>48. Participate and presented a poster in the Infrared and Raman Discussion Group- UK (17/09/2013).</p> <p>49. Participate in the Metabomeeting 2012 at Manchester conference center - UK (25-27/09/2012).</p>			
Publications			
<p>1- Xu, Y., Muhamadali, H., Sayqal, A., Dixon, N. & Goodacre, R. (2016) Partial least squares with structured output for modelling the metabolomics data obtained from complex experimental designs: A study into the Y-block coding. <i>Metabolites</i> 6, 38.</p> <p>2- AlMasoud, N., Xu, Y., Trivedi, D.K., Salivo, S., Abban, T., Rattray, N.J.W., Szula, E., AlRabiah, H., Sayqal, A. & Goodacre, R. (2016) Classification of <i>Bacillus</i> and <i>Brevibacillus</i> species using rapid analysis of lipids by mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> 408, 7865-7878.</p> <p>3- Sayqal, A., Xu, Y., Trivedi, D.K., AlMasoud, N., Ellis, D.I., Rattray, N.J.W. & Goodacre, R. (2016) Metabolomics analysis reveals the participation of efflux pumps and ornithine in the response of <i>Pseudomonas putida</i> DOT-T1E cells to challenge with propranolol. <i>PLoS ONE</i> 11: e0156509.</p> <p>4- Sayqal, A., Xu, Y., Trivedi, D.K., AlMasoud, N., Ellis, D.I., Muhamadali, H., Rattray, N.J.W., Webb, C. & Goodacre, R. (2016) Metabolic analysis of the response of <i>Pseudomonas putida</i> DOT-T1E strains to toluene using Fourier transform infrared spectroscopy and gas chromatography mass spectrometry. <i>Metabolomics</i> 12: 112.</p> <p>5- Sayqal, A., Xu, Y., Trivedi, D., AlMasoud, N., Ellis, D.I. & Goodacre, R. (2016) Metabolic fingerprinting of <i>Pseudomonas putida</i> DOT-T1E strains: understanding the influence of divalent cations in adaptation mechanisms following exposure to toluene. <i>Metabolites</i> 6, 14.</p> <p>6- AlRabiah, H., Xu, Y., Rattray, N.J., Vaughan, A.A., Gibreel, T., Sayqal, A., Upton, M., Allwood, J.W. & Goodacre, R. (2014) Multiple metabolomics of uropathogenic <i>E. coli</i> reveal different information content in terms of metabolic potential compared to virulence factors. <i>Analyst</i> 139, 4193-4199.</p>			

