



CURRICULUM VITA

Professor Fawwaz I. Khalili

الأستاذ الدكتور فواز عزت الخليلي

Born in 26. 12. 1954 Amman-Jordan.

Status Married with three children, a boy and two girls.

1960-1972 Elementary, preparatory and secondary Education at Derar School and King Hussein College.

1972 General Secondary (High School) Certificate Examination.

1972-1967 Bachelor of Science in Chemistry from the University of Jordan/Amman.

1975 Worked as research assistant on oil shale with Dr. R. Haddadin.

1976 Worked as research assistant in inorganic complexes with Prof. A. Seyam.

1976-1977 Assistant Manager of the Chemical Division at M. Sukhtian Co.

July 1977 **Fellowship** in Inorganic and Radiochemistry by the **International Atomic Energy Agency** at the Florida State University.

- Sept 1979 Tallahassee, Fl. U.S.A.

Sept 1979 Research assistantship from the Florida State University.

- March 1982

March 1982 PhD : The nature of Inner and Outer Sphere Complexes

Sept 1982	Assistant Professor, University of Jordan/Chemistry Department.
Jan 1989	Promotion to Associate Professor.
Sept 1991 -Aug 1992	Sabbatical leaves at Florida State University/Chemistry Department with Professor G. R. Choppin.
Nov 1994	Promotion to Full Professor.
Sept 1996 – August 2000	Chairman of the Science Department and Prof. of Inorganic Chemistry at Sohar College for Teachers, Ministry Of Higher Education Sohar, Sultanate of Oman.
Sept 2000	Back at the University of Jordan.
Sept 2005– Sept 2007	Chairman of the Chemistry Department/ University of Jordan.
Sept 2007- Sept 2011	Back as Professor of Chemistry /Chemistry Department/ University of Jordan.
Sept 2011 – Sept 2013	Vice dean of Science.
Head of	
	1- Promotion committee
	2- Tenders committee
	3- Graduate studies committee
	4- Teaching plans committee
	5- Scientific research committee
Sept 2013 - now	Back as Professor of Chemistry /Chemistry Department/ University of Jordan.

Specialization :

Inorganic, Nuclear and Environmental Chemistry.

Research interests:	Inorganic Complexes, Solvent Extraction of Radioactive Elements, Humic Acid and its Environmental Behavior, Geopolymers, Nanomaterials and Chelating polymers with metal ions.
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Publications

1. Determination of Bromide in Jordanian Table Salt by the Chloramine-T- Method.
Dirasat, 13, 179, 1986.
F. Khalili and M.Fayyad
2. Preparation and Antimicrobial Activity of Glyoximes.
Dirasat, 13, 185, 1986.
F.Khalili and A.Mahasneh.
3. Humic and Fulvic Acids from Several Locations in Jordan.
F.Khalili Dirasat, 14, 151, 1987.
4. X-ray Diffraction studies on Jordanian Humic and Fulvic Acids.
Dirasat, 14, 163, 1987.
F.Khalili and H.Ajjouri
5. The Nature of the Azraq Oasis Humic Acid.
Journal of the Iraqi Chemical Society. 13, 71, 1988
F.Khalili.
6. Preparation and complexation of 3,3'-bis(1,2,4- Δ^2 -oxathiazoline) with some Transition metals.
Synth and React in Inorg and met-Org Chem. 18, 919, 1988.
N. Sayyed and F. Khalili.
7. Nature of U(VI) complexes with halates and haloacetates.
Inorg. Chimica. Acta. 143, 1988.
F. Khalili, G. R. Choppin and E. Rizkalla.
8. Some Features and Antimicrobial activity of humic acid Isolated from Jordanian Soils.
Journal of Biological Sciences Research. 20, 255, 1989.
A.Mahasneh and F. Khalili.

9. Synthesis and Characterisation of some Lanthanide Chloride Complexes of Pyridinaldazine and Pyrrolaldazine Schiff Bases. *Polyhedron*. 8, 21, 1989.
M.Dawod, F. Khalili, and A. Seyam.
10. 10- Effect of dichloroglyoxime and dimethylglyoxime on the acellular slime mold *Physarum polycephalum*.
The Arab Gulf Journal of Scientific Research. 7. 129, 1989.
Z.Shraideh and F. Khalili.
11. Effect of humic acid on the oscillatory contractions in protoplasmic strands of *Physarum polycephalum*.
Microbio letters. 42, 73, 1989.
Z. Shraideh and F. Khalili.
12. Preparation of dipotassium 3,3'-bis(1,2,4-oxadiazole-5(4H)onate) and its coordination behaviour with Mn(II), Co(II), Ni(II), and Zn(II).
Synth and React in Inorg and met-Org Chem. 20, 425, 1990.
N. Sayyed and F. Khalili.
13. Isolation and characterization of humic acid from Jordanian Oil Shale.
Fuel. 69 (2): 151, 1990
F. Khalili.
14. Preparation and Characterization of selected metal-humate complexes.
Soil Science. 150 (3), 565, 1990.
F. Khalili.
15. Synthesis and Characterisation of some actinide complexes of pyridin-, pyrrol-, furan- and thiophenealdazine.
Polyhedron. 9 (24), 2987, 1990.
M. Dawod, F. Khalili and A. Seyam.
16. Acute toxicity of dichloroglyoxime
Dirasat, 17, 200, 1990
S.Zmeili and F. Khalili.
17. The nature of calcium and thorium complexation by halate ligands.
J.Coord. Chem. 56, 243, 1992.
G. Choppin, F. Khalili and E. Rizkalla.
18. Effects of dichloroglyoxime on isolated Guinea-Pig smooth muscle and atrium.
Drug and Chemical Toxicology, 15, (2), 145, 1992.
S.Abdalla and F. Khalili.
19. Preliminary leaching study on the Jordanian oil shale.
Fresenius Envir Bull. 2, 220, 1993
M. Alawi and F. Khalili.
20. Lead (II) complexation by Azraq humic acid.
Mutah Journal for Research and Studies (Jordan). 8, 121, 1993.
F. Khalili.
21. Extraction and spectrophotometric determination of Nd(III), Th(IV) and U(VI) in synthetic brine using Chlorophosphonazo III.
Analytica Chimica Acta. 284, 593, 1994.

- J. F. Chen, F. Khalili, A. Mohammed and G. R. Choppin.
22. Determination of trihalomethanes concentration produced through the chlorination of water as a function of its humic acid content. Archives of Environmental Contamination and Toxicology. 26, 381, 1994 . M.A. Alawi, F. Khalili and I. Sahili.
 23. Some oxovanadium (IV) and oxozirconium (IV) complexes of pyridine-, pyrrol-, furan- and thiophenealdazine schiff bases. Synth and React in Inorg and met-Org Chem. 24, 663, 1994. M. M. Dawod, F. Khalili and A. M. Seyam.
 24. Solubility of Nd in brine. Presented in Migration 93, Charleston, SC, U.S.A. Radiochimica Acta. 66/67, 51, 1995. F. Khalili, V. Sympeopoulos, J. F. Chen and G. R. Choppin.
 25. Interaction behaviour of Organochlorine pesticides with dissolved Jordanian Humic Acid. Archives of Environmental Contamination and Toxicology. 28 513, 1995. F. Khalili, M. Alawi and K. Daas.
 26. Thermodynamics of the dissociation of Boric acid and Potassium hydrogen phthalate in aqueous Acetonitrile mixtures. Annali di Chimica. 86(3-4), 1996. F. Khalili and A. A. Issa.
 27. Preparation and characterization of some tetradentate schiff bases and their complexes with Co(II), Ni(II) and Cu(II) Synth. React. Inorg. Met.-org. Chem. 27(1), 1-16, 1997. M.H.Attari, M. S. Mubarak and F. Khalili.
 28. Chelation properties of poly(8-hydroxyquinoline 5,7-diylmethylene) towards some trivalent lanthanides metal ions Solvent Extraction and Ion Exchange. 16(2), 637, 1998 K.A. Ebraheem, M.S. Mubarak, Z.J.Yassin and F.Khalili.
 29. Solvent extraction of Uranium(VI) by didodecylphosphoric acid Journal of Science and Technology. 4, 15, 1999 K. Mousa and F. Khalili.
 30. Preparation and characterization of new oxadiazole derivatives Complexes of 3,3'-Bis(1,2,4-oxadiazole-5(4H)-one) with some Metal ions. Journal of Saudi Chemical Society. 4(2), 143, 2000 K.A.Al-Sou'od , F.I.Khalili and M.S.Mubarak.
 31. Chelation properties of Poly(8-hydroxyquinoline 5,7- diylmethylene) crosslinked with Bisphenol-A toward Lanthanum(III), Cerium(III), Neodymium(III), Samarium(III), and Gadolinium(III) ions. Separation Science and Technology. 35(13), 2115, 2000 K.A. Ebraheem, M.S. Mubarak, Z.J.Yassin and F.Khalili.
 32. Synthesis and Characterization of some Metal complexes of Pyridine-2-aldehyde semicarbazones. ABHATH AL-Yarmouk. 10(2), 243, 2001.

- A.Seyam, A.Abu-Rayan, A.Jarrar and F.Khalili.
33. Chelation Properties of some Mannich- Type Polymers toward Lanthanum(III), Neodymium(III), Samarium(III) and Gadolinium(III) ions.
Solvent Extraction and Ion Exchange. 21(1), 125, 2003.
A.I. Ismail, K.A. Ebraheem, M.S. Mubarak, and F.Khalili.
 34. Comparative study of binding strengths and thermodynamic aspects of Cu(II) and Ni(II) with humic acid by Schubert's ion exchange method.
Anal.Chemica. Acta. 497/1, 235, 2003.
H. Baker and F. Khalili.
 35. Solvent extraction of Thorium(IV) by didodecylphosphoric acid
Journal of Science and Technology. 8, 107, 2003 .
K. Mousa, E. Al-Soudani and F. Khalili.
 36. Analysis of the Removal of Lead (II) from Aqueous Solution by Adsorption onto insolubilized Humic Acid: Temperature and pH dependence.
Anal.Chemica. Acta. 516(1-2), 179, 2004.
H. Baker and F. Khalili.
 37. Chelation Properties of some Phenolic – Formaldehyde Polymers toward some trivalent lanthanides ions.
Solvent Extraction and Ion Exchange. 22(4), 721, 2004.
Fuad Al- Rimawi, Ayman Ahmad, F.Khalili and M.S. Mubarak.
 38. Characterization of Humic acid isolated by various extractants from Azraq Oasis, Jordan.
Proceedings of the 12th International Meeting of the Humic Substances Society
Sao Pedro - Brazil .p 441-443, July 26-30, 2004.
Bassam El-Eswed, Fawwaz Khalili, Jalal Zahra
 39. A Study of Complexation Thermodynamic of Humic acid with Cadmium (II) and Zinc (II) by Schubert's ion exchange method.
Anal.Chemica. Acta. 542(2), 240, 2005.
H. Baker and F. Khalili
 40. Chelation Properties of some Condensation Polymers toward some trivalent lanthanides ions.
J. Saudi Chem. Soc. 9(2), 331, 2005.
Ayman A. Ahmad, Fuad Al- Rimawi, F.Khalili and M.S. Mubarak.
 41. Synthesis and Chelation Properties of Mannich Polymers Derived from Piperazine and some hydroxyl Benzaldoximes.
Shafa-Amry, N. N.; Khalili, F. I.; Ebraheem, Kais A. K.; and Mubarak, M. S.
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42. Adsorption of Cu(II) and Ni(II) on solid humic acid from the Azraq area, Jordan. *Journal of colloid and Interface Science*. 299, 497-503, 2006.
Bassam El-Eswed and Fawwaz Khalili.
43. Effects of pH and temperature on the interaction of Pb(II) with Azraq humic acid studied with Schubert's ion exchange method. *Annals of Environmental Science*. 1, 35 – 44, 2007.
H. Baker and F. Khalili.
44. Chelation Properties of Modified Humic Acids towards Some Trivalent Lanthanide Ions.
Remah N. Yaghmour, Fawwaz I. Khalili, and Mohammad S. Mubarak
ICCCST2006. American Institute of Physics Conference Proceedings, solid State Science and Technology, Vol 909, page 26, New York, 2007.
45. Sorption of Humic acid on Bentonite.
Mahmoud Salman, Bassam El-Eswed and Fawwaz Khalili
Applied Clay Sciences. 38(1-2), 51-56, 2007.
46. Interaction of Polychlorinated Biphenyls with Dissolved Humic Acid from Azraq(Jordan).
Mahmoud A. Alawi, Fawwaz Khalili and Jafar Abd Elgani
Asian Journal of Water, Environment and Pollution. 5(1),45-48,2008.
47. Syntheses and Characterization of Some Lanthanide and Actinide Metal Complexes of Pyridine-2- aldehyde Semicarbazones.
F. M. Za'atreh, A. A. Jarrar, A. M. Seyam, and F. I. Khalili
Proceedings the 10th ICCA, Qaryounis University, Benghazi, Libya. 18-21 Nov 2007, in press 2008.
48. Preparation and Characterization of Poly(bisphenol A oxalate) and Studying its Chelating Behavior Towards Some Metal Ions.
Sharif T. Al-Hamidi, Bassam A. Sweileh and Fawwaz I. Khalili
Solvent Extraction and Ion exchange. 26: 145–162, 2008.
49. Synthesis, Characterization and Solvent Extraction Properties of New Thiophene Based Trifluoromethyl-Substituted β -Diketones for Thorium (IV) and Uranium (VI) Ions.
F. Khalili, S.A. Al-Taweel, Y. Y. Yousef and S. A. Al-Tarawneh
Journal of Saudi Chemical Society. 12(2): 165-176, 2008.

50. The influence of using Jordanian natural zeolite on the adsorption, physical, and mechanical properties of geopolymers products.
El-Eswed Bassam, Yousef Rushdi I., Alshaaer Mazen, Khalili Fawwaz, Khouri Hani.
Journal of Hazardous Materials, 165: 379-387, 2009.
51. Low-cost Solid Geopolymeric Material for Water Purification.
Alshaaer Mazen, El-Eswed Bassam, Yousef Rushdi I. Khalili Fawwaz, Khouri Hani.
Ceramic Transactions , 207(Environmental Issues and Waste Management Technologies in the Materials and Nuclear Industries XII), 265-271. 2009.
52. Alkali solid-state conversion of kaolin and zeolite to effective adsorbents for removal of lead from aqueous solution.
Bassam El-Eswed, Rushdi I. Yousef, Mazen Alshaaer, Fawwaz Khalili, Hani Khoury
Desalination and Water Treatment 8, 124-130, 2009.
53. The Effect of Ionic Strength On the Extraction of Thorium (IV) from Perchlorate Solution by Didodecylphosphoric Acid".
Mohammad A. Bayyari, Mazen K. Nazal, Fawwaz I. Khalili. Arabian Journal of Chemistry 3, 115-119, 2010.
54. Adsorption of Thorium(IV) and Uranium(VI) by Tulul al-Shabba Zeolitic Tuff, Jordan.
Mona Al-Shaybe and Fawwaz Khalili
Jordan Journal of Earth and Environmental Sciences 2,108-119, 2009.
55. Effect of Nano Sized oxalate Precursor on the Formation of $REBa_2Cu_3O_{7-\delta}$ (RE= Gd, Sm, Ho) Ceramic Via Coprecipitation Method.
Imad Hamadneh, Fawwaz Khalili, Mazen Shaaer, Ahmad Mustaza Rosli.
Journal of Physics: Conference Series 234 1-5, 2010.
56. Adsorption of Lead, Zinc, and Cadmium Ions Polyphosphate- modified Kaolinite Clay.
Mohammad W. Amer, Fawwaz Khalili, and Akl M. Awwad.
Journal of Environmental Chemistry and Ecotoxicology 2(1) 1-8, 2010.
57. Adsorption of Zn(II), Pb(II), Cr(III) and Mn(II) from water by Jordanian bentonite
Jameel Sulieman Al – Jariri and Fawwaz Khalili.
Desalination and Water Treatment. 21, 308-322, 2010.

58. The Effect Of Ionic Strength On The Extraction Of Thorium (IV) From Nitrate Solution By Didodecylphosphoric Acid (HDDPA).
Mohammad A. Bayyari, Mazen K. Nazal, Fawwaz I. Khalili.
Journal of Saudi Chemical Society 14, 311–315, 2010.
59. A Study on using Date Palm Fibers and Leaf Base of Palm as Adsorbents for Pb(II) from Its Aqueous Solution.
A M Muhsen Al- Haidery, F H Zanganah, S R F Al-Azawi, F I Khalili and A H Al-Dujaili.
Water, Air and Soil Pollution 214,73-82, 2011.
60. Preparation and Characterization of Poly(2,2-dimethyl-1,3-propylene oxalate) Polymer and Studying its Metal Uptake Behavior Toward Pb(II), Cd(II) and Hg(II) Ions.
Ibrahim F. Abu-Awwad, Fawwaz I. Khalili, Bassam A. Sweileh.
Solvent Extraction and Ion exchange 28(5), 682-705, 2010.
61. CHARACTERISTICS OF ORGANOSULPHUR COMPOUNDS ADSORPTION ONTO JORDANIAN ZEOLITIC TUFF FROM DIESEL FUEL
Faisal Mustafa, Mohammad A. Al-Ghouti, Fawwaz I. Khalili, Yahya S. Al-Degs
Journal of Hazardous Materials.182(1-3), 97-107, 2010.
62. MINIMISATION OF ORGANOSULPHUR COMPOUNDS BY ACTIVATED CARBON FROM COMMERCIAL DIESEL FUEL: MECHANISTIC STUDY"
Mohammad A. Al-Ghouti, Fawwaz I. Khalili, Yahya S. Al-Degs
Chemical Engineering Journal 162, 669-676, 2010.
63. Adsorption of Ce(III), Gd(III) and Yb(III) Onto Azraq Humic Acid
Nabtiti Tala K. and Khalili Fawwaz
Proceedings of ICCE-2009, Thailand: Special Issue of Research Journal of Chemistry and Environment
383-390, 2010.
64. Synthesis and Characterization of Mesomorphic Behaviour of New Mesogenic Compounds Incorporating Cholesteryl Ester Moiety Connected to 1,3,4-Oxadiazole.
Ivan H. R. Tomi , Maha T. S. Al-Mahdawi , Isam A. Latif, Fawwaz I. Khalili, and Ammar H. Al-Dujaili
Journal of Chemistry and Chemical Engineering, 5,946-955, 2011.
65. A study on Using Date Palm Fibers and Leaf Base of Palm as Adsorbents for Pb(II) ions from its aqueous Solution
A. M.A. Al-Haidary, F.H.H. Zanganah, S.R.F. Al-Azawi, F.I. Khalili and A. H. AL-DUJAILI, Water, Air and Soil Pollution, 214, 73-82. 2011.

66. Removal of Nitrate ions from Water Using Jordanian Lemon Wood and Olive Seeds Charcoal.
Mohammed M. Al-Jboor and Fawwaz I. Khalili
International Journal of Arts and Sciences, 4(19), 283-305, 2011.
67. Adsorption of Thorium (IV) and Uranium (VI) onto Azraq Humic acid, Jordan.
Ahmad K. Mohammad and Fawwaz I. Khalili
The Jordanian Journal of Physics (JJP). at the proceedings of the 2ICMJ, 5,33-42, 2012.
68. Degree of Reactivity of Two Kaolinitic Minerals in Alkali Solution Using Zeolitic Tuff or Silica Sand Filler.
Rushdi I. Yousef, Bassam El-Eswed, Mazen Alshaaer, Fawwaz Khalili, Hubert Rahier
Ceramics International 38, 5061–5067, 2012.
69. Development of functional geopolymers for water purification, and construction purposes.
M. Alshaaera, B. El-Eswed, R.I. Yousef, F. Khalili, H. Rahier
Journal of Saudi Chemical Society , 2012.
70. Adsorption Of Cu(II), Ni(II), Zn(II), Cd(II) And Pb(II) Onto Kaolin/Zeolite Based- Geopolymers.
Bassam El-Eswed, Mazen Alshaaer, Rushdi Ibrahim Yousef, Imad Hamadneh, Fawwaz Khalili
Advances in Materials Physics and Chemistry, 119-124, 2012.
71. Sorption of Uranium(VI) and Thorium(IV) by Jordanian Bentonite.
Fawwaz I. Khalili, Najla'a H. Salameh, and Mona M. Shaybe
Journal of Chemistry, 2013, 1-14, 2013.
72. EFFECT OF HIGH IONIC STRENGTH ON THE EXTRACTION OF U(VI) IONS.
M. K. Nazal, M. A. Albayyari, and F. I. Khalili
Journal of Saudi Chemical Society,18, 59-67, 2014.
73. Combustion and Emission Characteristics of Straight Vegetable Oils and Diesel Oil Blends.

Omar Bashir, Fawwaz I. Khalili, Bassam A. Sweileh

Jordan Journal of Chemistry, 9(2), 134-147, 2014.

74. A study on removal characteristics of o-, m- and p-nitrophenol from aqueous solutions by organically modified diatomaceous earth.

Ramia Z. Al Bakain, Rund A. Abu-Zurayk, Imad Hamadneh, Fawwaz I.

Khalili, Ammar H. Al-Dujaili

Accepted in Desalination and Water Treatment, 1-13, 2014.

Conferences

1- Preparation and characterisation of 3,3'-bis(1,2-oxadiazol-5(4H)-onate) and its complexes with Mn(II) , Ni(II), and Co(II) was presented at-, the 8th Arab Chemical conference. June. 1988.

2- Isolation and characterisation of humic acid isolated from Jordanian Oil Shale was presented at 14th Iraqi Chemical conference Nov. 1989.

3- Characterisation and complexation of some schiff bases with Actinides was presented at the 15th Iraqi Chemical conference, Feb. 1990.

4- Lead (II) complexation by Azraq humic acid was presented at 16th Iraqi Chemical conference, Dec. 1992.

5- Extraction and spectrophotometric determination of Nd(III),Th(IV) and U(VI) in synthetic. brine using Chlorophosphonazo(III). Presented at the 1st Jordanian chemical conference. April. 1993.

6- Nd Solubility in Brine was presented at Migration 93. Charleston, South Carolina, U.S.A.

7- Determination of trihalomethanes concentration produced through the chlorination of water as a function of its humic acid content. Presented at 2nd Chemistry in Industry, Bahrain, Oct. 1994.

- 8- Interaction behaviour of Organochlorine pesticides with dissolved Jordanian Humic Acid. Presented at 35th science week. Syria, 1995.
- 9- Synthesis and chelation of new Mannich-type polymers towards some trivalent Lanthanides. Presented at 223rd ACS National Meeting . Orlando, FL, USA. April 2002.
- 10- Comparative study of binding strengths and thermodynamic aspects of Cu(II) and Ni(II) with humic acid by Schubert's ion exchange method.
Presented at The Second conference on Environment & Natural Resources. Taiz – Yemen May 6, 2003.
- 11- Preparation of new trifluoromethyl-substituted B-diketones and their extraction behavior of Thorium(IV) and Uranium(VI). Presented at The Fifth Jordanian Conference of Chemistry Amman– Jordan October 24, 2003.
- 12- Chelation properties of some phenolic-formaldehyde polymers toward some trivalent Lanthanides ions. Presented at The 2nd International Conference on Chemistry and its Applications. Doha – Qatar Dec 6, 2003.
- 13- Solvent extraction of Thorium(IV) by Didodecylphosphoric acid. Presented at The Seventh Arab Conference for the Peaceful Uses of Nuclear Energy. Sana'a - Yemen Dec 4, 2004.
- 14- A Study of Complexation Thermodynamic of Humic acid with Lead (II) by Schubert's ion exchange method. Presented on the Second International Conference on Chemistry and the Environment. Indore – India. Dec 24, 2005.
- 15- Chelation Properties of Modified Humic Acids towards Some Trivalent Lanthanide Ions. Presented on the Second International Conference on Solid state Science and Technology 2006. Kuala – Terengganu, Malaysia. 4- 6 Sept 2006.
- 16- Interaction of Polychlorinated Biphenyls with Dissolved Humic Acid from Azraq(Jordan). Presented on the International Humic Substances Society - 11 th Nordic -Baltic Symposium, Joensuu, Finland. 14 – 16 June 2007.
- 17- Synthesis and Characterization of Some Lanthanide and Actinide Metal Complexes of Pyridine-2-Aldehyde Semicarbazones.
Presented on the 10th ICCA, Qaryounis University, Benghazi, Libya. 18-21 Nov 2007.
- 18- Preparation and Characterization of Poly(bisphenol A oxalate) and Studying its Chelating Behavior Towards Some Metal Ions.
Sharif T. Al-Hamidi, Bassam A. Sweileh and Fawwaz I. Khalili
Presented on the 24th Polymer Processing Society meeting, Salerno, Italy 15 – 19 June 2008.
- 19- Adsorption of Thorium(IV) and Uranium(VI) by Tulul al-Shabba Zeolitic Tuff, Jordan. Mona Al-Shaybe and Fawwaz Khalili

Presented on the ICMJ March 2009.

20- Effect of Nano Sized oxalate Precursor on The Formation of $\text{REBa}_2\text{Cu}_3\text{O}_{7-\delta}$ (RE= Gd, Sm, Ho) Ceramic Via Coprecipitation Method
Imad Hammadneh, Fawwaz Khalili, Ahmed Mustaza Rosli
Presented on the 9th European Conference on Applied Conductivity,
Dresden, Germany 13 – 18 sept 2009.

21- ADSORPTION OF Ce(III), Gd(III) and Yb(III) ONTO AZRAQ HUMIC ACID. Tala K. Nabtiti and Fawwaz Khalili. Presented on the Fourth International Conference on Chemistry and the Environment. UBP, Thailand 21-23 Jan 2010.

22- Adsorption Of Cu(II), Ni(II), Zn(II), Cd(II) And Pb(II) Onto Kaolin/Zeolite Based- Geopolymers.

Bassam El-Eswed, Mazen Alshaaer, Rushdi Ibrahim Yousef, Imad Hamadneh, Fawwaz Khalili

2012 world congress on Engineering and Technology
Beijing- China 26-28 October 2012.

23-Combustion and Emission Characteristics of Vegetable Oils with Diesel Oil Blends.

Omar Bashir, Fawwaz I. Khalili, Bassam A. Sweileh

The international conference (Humboldt Kolleg)
Amman – Jordan April 3-5, 2014.

Books

- 1- Manual for experimental Chemistry for third secondary. Ministry of Education, 1986, (Arabic). (With the Jordanian Chemical Society).
- 2- General Chemistry for Nursing students. University of Jordan Press. 1987, (Arabic) with Prof. K. Abu-Dari.
- 3- General Chemistry for freshman students majoring in sciences. Press Dar AL Feker, 1989, (Arabic) with Prof. A. Jarr'ar and K. Abu- Dari.
- 4- Manual for Experimental General Chemistry, Dar AL Feker, (1991), (Arabic) with Prof. A. Jarrar and K. Abu-Dari.
- 5- General Chemistry for Junior colleges. Dar AL Dia Press. 1992, (Arabic) with Prof. A. Jarrar and K. Abu-Dari.
- 6- University Chemistry. Dar Honeen Press. 1992, (Arabic) with Prof. A. Jarrar and K. Abu-Dari.
- 7- Nuclear and Radiochemistry. Dar Aldia. 2002, (Arabic).
- 8- General Chemistry (Arabic) Press Dar AL Feker 2008.
- 9- Heavy metal adsorption. Lambert Academic Publishing, Germany. M. Amer, F.Khalili and A.Awad. 2010. ISBN 978-3- 8383-8029-1.

- 10- Adsorption of Actinides. Lambert Academic Publishing, Germany. F. Khalili and A. K. Mohammad. 2011. ISBN 978-3- 8443-1058-0.
- 11- Head of Translation team for higher education With Obeikan:
 - I: General Chemistry by Raymond Chang.
 - II: Inorganic chemistry by Miessler and Tarr.
- 12- Head of Translation team for higher education With Obeikan: Grade 11 chemistry for Saudi Arabia

Graduate Students M.Sc

- 1- Hatem R. Marqah. M.Sc. 1986.
Kinetics of decomposition of some B-diketones and their actinide complexes with halates.
- 2- Mahmoud M. Dawod. M.Sc. 1986.
Synthesis and characterisation of transition metal complexes of Some quadridentate schiff-base ligands.
- 3- Nayef M. Ahmad. M.Sc. 1987.
Synthesis and characterisation of some transition metal complexes With heterocyclic ligands derived from dichloroglyoxime.
- 4-Emad Sahili, M.Sc. 1993.
Chlorination of humic acid solutions isolated from the Azraq oasis in Jordan.
- 5- Kefah Dass. M. Sc. 1993.
Interaction of humic acid isolated from King Talal dam with Pesticides found in the dam water.
- 6-Iman Abdallah, M.Sc. 1994.
Thermodynamics of the ionization of some Nitrophenols and associated buffers in mixed aqueous media.
- 7-Majed Attari. M.Sc. 1995.
Preparation and characterisation of new schiff bases and their complexes with some metal ions.
- 8-Faiha Drass. M.Sc. 1995.
Interaction behaviour of Jordanian Volcanic Ash with some Ions.
- 9-Khaled Abdel-Hadi. M.Sc. 1996.
Solvent extraction of U(VI) and Th(IV) by Didodecylphosphoric acid.
- 10-Khaldoun Khaled Saoud. M.Sc 1996.
Preparation and Characterisation of new oxadiazole derivatives and their complexes with some metal ions.
- 11-Suhair Abu Wardeh. M.Sc. 1996.

Extraction of Uranium (VI) and Thorium(IV) by using Hydroxy pyridienthion amid derivatives.
12-Ehsan Ismail Al- Soudani 2001.
Synergistic effect of Didodecylphosphoric acid with Tri-n-butyl phosphate(TBP) and Tri-n-octylphosphine oxide (TOPO) on the extraction of U(VI) and Th(IV).
13-Ali Issa Ismail. M.Sc. 2001.
Synthesis and chelation of new Mannich-type polymers towards some Trivalent Lanthanides.
14-Fuad Shafiq Al Rimawi. M.Sc 2002.
Chelation properties of some phenolic-formaldehyde polymers toward some trivalent Lanthanides ions.
15-Ayman Ahmad Mohammad Ahmad. M. Sc 2002.
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16-Salah Al Trawneh. M. Sc 2002.
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18-Remah Naim Yaghmour M. Sc 2003.
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20-Nashwa nabeel Shafa Amry M. Sc 2004.
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22-Jafar Ibrahim M. Abd El- Gani M. Sc 2005.
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23- Tala Nabtatee. M. Sc 2005.
Adsorption of lanthanides onto Azraq Humic Acid.
24- Mazen Khalid Nazzal. M Sc 2006.
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26- Sharif T. Al-Hamidi. M Sc 2006.

Preparation and Characterization of BisPhenol A Based Oxalate Containing Polymer and Its Chelation Behaviour Toward Some Metal Ions.

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Adsorption of Uranium (VI) and Thorium (IV) onto Azraq humic acid.

28- Diaa Alsafadee. M Sc 2008.

Preparation and Characterization of hydroquinone based polyoxalate polymer and studying its chelation behaviour towards Pb (II), Cd (II) and Hg (II) ions.

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Preparation and Characterization of poly(neopentyl oxalate) polymer and studying its chelation behaviour towards Pb(II), Cd(II) and Hg(II) ions.

30- Omar Bashere. M Sc 2008

Assessment of Used Vegetable Oils Blended with Jordanian Diesel as Bio- Diesel Fuel.

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Removal of Pb(II), Mn(II), Zn(II), and Cr(III) from waste Water using Jordanian Bentonite.

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Adsorption of Uranium (VI) and Thorium (IV) by Jordanian Zeolite

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Adsorption of Sulfur compounds In Jordanian Diesel Fuel Using Jordanian Bentonite.

35- Rana Masad M Sc 2010.

Preparation and Characterization of 4,4'- biphenol-based polyoxalate oligomer and studying its chelation behaviour towards Pb(II), Zn(II), Cu(II) and Sn(II) ions.

36- Najla salama M Sc 2010.

Adsorption of Uranium (VI) and Thorium (IV) by Jordanian bentonite.

37- Mohammed M. Al-Jboor M Sc 2010.

Removal of Nitrate ions from Water Using Jordanian Lemon Wood and Olive Seeds Charcoal.

38- Yousef Ali Al-Dalahmeh M Sc 2010.

PREPERATION AND CHARACTERIZATION OF

1,4-CYCLOHEXANDIMETHANOL BASED POLYOXALATE POLYMER AND STUDYING ITS CHELATION BEHAVIOUR TOWARDS Pb(II), Zn(II) and Cd(II) IONS.

39- Basel M Sc 2011

MODIFICATION OF JORDANIAN CLAYS BY USING PREPARED FATTY HYDROXAMIC ACIDS (FHAs) FROM SEVERAL VEGETABLE OILS.

40- Ghadeer A. Al-Banna M Sc 2011

Adsorption of Uranium (VI) and Thorium (IV) by insolubilized humic acid from Ajloun soil.

41- Alia M. Khaliefeh M Sc 2011

Removal of uranium(VI) and thorium(IV) by insolubilized humic acid from Azraq soil in Jordan.

42- Mohammad Ayoub M Sc 2012

Modification of Kaolinite by amino acid and its adsorption of heavy metals.

43- Faten Al- Ruqub M Sc 2012

Preparation and characterization of poly(1,3-cyclohexylene oxalate) and the study of its uptake characteristics towards Pb(II), Cd(II) and Zn(II) ions.

44- Aisha

45- Musab

46- Faris

Graduate Students PhD

1- Hutaf Mustafa Baker. PhD. 2002.

Complexation of Azraq Humic Acid with Heavy Metal Ions.

2- Bassam I. El -Eswed PhD 2005.

Adsorption of heavy metals by humic acid from Azraq area.

3-Mahmoud M. Salman PhD 2005.

Adsorption of heavy metals on Azraq humic acid immobilized on Azraq bentonite clay.

4-Ibrahim A. Al-Saraierh. PhD 2005.

Synthesis and characterization of some α -amino- β -keto esters complexes with some transition metals.

5- Ayad Shawabkeh. PhD 2008.

Adsorption of Some Chlorinated Pesticides on Azraq Humic Acid Immobilized on Azraq Bentonite.

6- Safa'a Abdulla Al-Momani PhD 2010.

Adsorption of Heavy Metals by Jordanian Humin.

7- Mohammad nor aldine" Obaid Al-Dweri PhD 2010.

PREPARATION AND CHARACTERIZATION OF SOME POLYESTERS AND STUDYING THEIR ABILITY TO ADSORB Pb(II), Cd(II) AND Cu(II) IONS

8- Khansa Issa PhD 2011.

ADSORPTION OF HEAVY METAL IONS ON MODIFIED JORDANIAN KAOLIN CLAY BY HUMIC ACID.

9- Ashraf Al-saudi PhD 2013.

Complexation of Humic acid by heavy metals and their theoretical calculations.

Courses taught.

- General Chemistry courses for Medical, Nursing, Engineering and Science Students.
- Experimental general chemistry courses.
- Inorganic Chemistry (Theory and Laboratory) courses for undergraduate students.
- Nuclear Chemistry courses for senior and graduate students. Theory and Experiments.
- Soil Chemistry course for senior chemistry students.
- Advanced Inorganic Chemistry for PhD students.
- PhD students graduate seminar.

Positions

- 1) Vice president for the Jordanian Chemical Society, 1991-1995.
- 2) Under Secretary for the Union of Arab Chemist, 1992-1996.
- 3) President of the Jordanian Chemical Society. July 95-Sept 96
- 4) Head for the Disposal of Chemical and Nuclear Wastes Committee at the University of Jordan till now.
- 5) Member of the International Society for Humic Acid.
- 6) Member of the International Congress for Chemistry, India.

- 7) Head of the Jordanian student team to the 2nd Arab Chemistry Olympiad Sept 2004.

References

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- 2- Prof. Dia Eddin Arafah. Physics Department. The University of Jordan. Amman - Jordan 11942.
- 3- Prof. Fuad Kettaneh. Mathematics Department. The University of Jordan. Amman - Jordan 11942.
- 4- Prof Gregory R Choppin. Chemistry Department. Florida State University. Tallahassee- Florida 32306 – 006. USA.