Curriculum Vitae

1.Personal Information	
Name	**Dr. Salah A. Al-Trawneh**
Nationality	**Jordanian**
Academic Rank:	**Associate Professor**
Contact Information	Department of Chemistry Faculty of Science Mu'tah University AL-Karak – Jordan P.O Box 7 Mobile: +962 79 5217791 Job phone: +962 3 2372380 Extension: (4561) ***E*-mail:** salah_trawneh@yahoo.com laratr@mutah.edu.jo

2.Academic Qualifications				
	University	**Year**	**Country**	**Major**
B.A	Jordanian	1991	Jordan	Chemistry
M.A	Jordanian	2002	Jordan	Organic Chemistry
Ph.D	Jordanian	2009	Jordan	Organic Chemistry

3.Research and Teaching Interests

- Experience in the area of Heterocyclic chemistry, synthesis and characterization
- Heterocyclic chemistry; synthesis and applications .
- Study the bioactivity of new carbazole compounds.
- Thiophene compound derivatives, synthesis and applications as dyes.

4.Publication

A. Books ----------

B. Articles				
Title	**journal**	**Date**	**Vol. & No.**	**Pages**
1- Studies on adsorptive removal of some heavy metal ions by calix[4]resorcine.	*Jordan Journal of Earth and Environmental Sciences.*	2015	7(1)	1-9
2- Effect of Molecular-Level Insulation on the Performance of a Dye-Sensitized Solar Cell: Fluorescence Studies in Solid State	*Journal of Fluorescence*	2015	25	59-68
3- Kinetic study on removal of aqueous phase flourene using dinitrodiphenyldiquinoline adsorbent	Proceedings *International Conference on Chemistry and Environmental Science Research (ICCESR 2014)*, , Penang-Malaysia, paper in press	2014	Conference paper	33-40
4- Selectivity Studies of Heavy Metals (Pb(II), Co(II), Cu(II), Mn(II), and Zn(II)) Removal from Water using Synthesized *C*-4-methoxyphenylcalix[4]resorcinarene Adsorbent"	*Desalination and Water Treatment*,	2014	-------	1-11
5- Green synthesis, crystal structure and bioactivity of *C*-(*p*-substitutedphenyl)calix[4]resorcinarenes-DMSO inclusion complexes"	*Jordan J. Chem.*,	2014	9(3)	170-186
6- A new efficient route to 7-aryl-6-fluoro-8-nitroquinolones as potent antibacterial agents.	*European Journal of Medicinal Chemistry*,	2014	30	364-367
7- Ternary Inclusion System of Chair Conformation of **4,6,10,12,16,18,22,24-Octahydroxy-2,8,14,20-tetraphenyl-**resorcin[4]arene: Selective Green Synthesis, Supramolecular Behavior, and Biological Activity"	*Molecular Crystals & Liquid Crystals*	**2014,**	605(1)	**206-201.**
8- Synthesis, Characterization and Antibacterial Activity of model 7-Cyclopropyl-2-Aryl-3-Amino-4-Oxo-4,7-Dihydrothieno[2,3-*b*] pyridine-5-Carboxylic Acids	*Mutah Lil-Buhuth Wad Dirasat (Natural and Applied Sciences Series*	**2013**	*28(2)*	**11-21**
9- Effect of varying lanthanide local	*Journal of*	**2011**	*131*	**1795-**

coordination sphere on luminescence properties illustrated by selected inorganic and organic rare earth complexes synthesized in sol–gel host glasses	*Luminescence*			**1801**
10- Synthesis and biological evaluation of tetracyclic thienopyridones as antibacterial and antitumor agents	*Bioorganic & Medicinal Chemistry*	**2011**	*19*	**2541-2548**
11- Synthesis and biological evaluation of tetracyclic fluoroquinolones as antibacterial and anticancer agents	*Bioorganic & Medicinal Chemistry*	**2010**	*18*	**5873-5884**
12- Biodegradation of 2-Chlorobenzoic Acid by *Klebsiella oxytoca*: Mathematical Modeling and Effect of Some Growth Conditions	*Ind. Eng. Chem. Res.*	**2010**	*49*	**7159-7167**
13- Synthesis, characterization and solvent extraction properties of new thiophene based trifluoromethyl-substituted β-diketones for thorium(VI) and uranium(IV) ions	*J. Saudi Chem. Soc*	**2008**	*12(2)*	**165-176**
14- Synthesis of activated carbon from spent lubricating oil and application for adsorbent of cadmium and lead ions from aqueous solution	*Combined and Hybrid Adsorbents*; *Fundamentals and Applications*	**2006**	------	**195-200**

5.Patents

٢- Hashemite Kingdom of Jordan, Ministry of Industry and Trade- Directorate of Industrial Property, *Tetracyclic fluoroquinolones : Part I . Novel 4-Oxopyrido[2, 3-a]carbazole-3-carboxylic acid derivatives as antibacterial and antitumor agents. Patent No.: 2717*, (**2013**).

١- Hashemite Kingdom of Jordan, Ministry of Industry and Trade- Directorate of Industrial Property, *Tetracyclic fluoroquinolones : Part 2. Novel 4-oxothieno [2', 3':4, 5]pyrrolo [3,2-h]quinoline-3-carboxylic acid derivatives as antibacterial and antitumor agents.Patent No.: 2718*, (**2013**).

6. EDUCATION

2003-2009 The University of Jordan, Amman –Jordan.

Ph.D. IN CHEMISTRY **:** (Excellent) In the area of Organic chemistry (Course and Research work).

Thesis title: *Synthesis and Antitumor Potency of Some New Pyrido[2, 3-a]carbazoles and Their Isosteric Pyrido[3,2: 4,5]thieno[3,2-b]indoles.*

Supervisors : Prof. Mustafa EL-Abadelah. Dr. Jalal A. Zahra.

1999-2002 The University of Jordan, Amman –Jordan.

M.Sc. IN CHEMISTRY : (Very Good) In the area of Organic and Inorganic Chemistry (Course and Research work).

Thesis title : *Preparation of New Trifluoromethyl- Substituted 1,3-diketones and their Extraction Behavior of Thorium(IV) and Uranium(VI).*

Supervisors : Prof. Fawwaz. I Al-Khalili. Prof. Samir. A Al-Taweel.

1993-1995 Mu'tah University, Al-Karak – Jordan.

Graduate Diploma in Education (Good)

1987-1991 The University of Jordan, Amman –Jordan.

B.Sc. in Chemistry. (Good).

2006 ICDL license at **Mutah University, Jordan** (2006).

2011 Training course in Using **Moodle as a Learning Management System**

(E-learning) at **Mutah University, Jordan** (2011).

7- Membership in M.Sc. Thesis Examination Committees

١. **Ala' Salem Ali Alnaimat**
Thesis title "A thermodynamic study of the charge transfer complexes of C60 with some naphthathia croen ethers" Department of Chemistry, Mutah University, Jordan, **August 2014**.

٢. **Osamah Zaid Saleh AL-Gzawat**
Thesis title "Synthesis, Characterization and solar cell Fabrication of dithieno[3,2-*b*:2′,3′-*d*]thiophene cyanoacrylic acid derivative as dye sensitizer" Department of Chemistry, Mutah University, Jordan, **August 2014**.

٣. **Mutaeb Ahmad Albedwani**
Thesis title "Synthesis, characterization and antibacterial activity of some new derivatives of 7-alkynyl-1,4-dihydroquinolone-3-carboxylic acids" Department of Chemistry, Mutah University, Jordan, **August 2014**.

٤. **Banan Hikmat Al-Rawashdeh**
Thesis title "7*H*-pyrrolo[3,2-*f*]quinazolin-8,9-dione. Synthesis and condensation

products with model aryl amines" Department of Chemistry, University of Jordan,

Jordan, **August 2014**.

٥. **Mohammad Mousa Al-Mahadeen**
Thesis title "Kinetic, Equilibrium and Selectivity Studies of Heavy Metals (Pb(II), Co(II), Cu(II), Mn(II) and Zn(II)) Removal from Aqueous Phase using *C*-4-substituted-phenylcalix[4]resorcinarenes as Adsorbent Surfaces" Department of Chemistry, Mutah University, Jordan, **August 2014**.

6. **Abdelrhman Eyad Al-Ghoul**

Thesis title “Synthesis, complexation and biological activity of some amide podands” Department of Chemistry, Mutah University, Jordan, **July 2013**.

7. **Saad Al-Sarhan**

Thesis title”Synthesis, Supramolecularity, and Bioactivity of New Calix[4]arene Lattice Host Molecules**”** Department of Chemistry, Mutah University, Jordan, **December 2012**.

٨. **Wal’a Mubarak Al-Trawneh**
Thesis title “*Synthesis, Characterization and Biological activity of new derivatives of thieno[2,3-b]pyridine-5-carboxylic acid*” Department of Chemistry, Mutah University, Jordan, **December 2012.**

9. **Haneen Atef Qutaish**

Thesis title “ Conservation and restoration of archaeological sites in Jordanian Badia” Department of Archaeology & Tourism , Mutah Universi Jordan, **November 2012**.