

Ala'a Ahmad Omar Al-Akhras, Ph.D.
Assistant Professor of Chemistry
Faculty of Sciences, Department of Chemistry
Jerash University



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Personal Data

- **Date of Birth:** 15th September 1985.
- **Marital status:** Married.
- **Nationality:** Jordanian.

Biography

A dedicated chemist graduated in the field of organic chemistry with teaching and research experience in organic synthesis using a range of required techniques. In addition to ability to work in a research group as well as independent researcher. I have built up necessary skills acquired in effective teaching, leadership (by teaching many chemistry courses for the bachelor's degree) and scientific research, and published many papers in national and international per-reviewed journals, and attend many conferences and participating in a number of training courses. In addition to good knowledge of computer software that used for analysis, data treatment, presentation and related scientific programs.

Qualifications

➤ **Ph.D in Organic Chemistry (2020)**

University of Jordan - Jordan

Dissertation title: "Synthesis and Antibacterial Activity of Tetracyclic Fluoroquinolones Encapsulating Thiophene, Furan and Related Congeners"

Under the supervision of Prof. Dr. Jalal Ahmad Zahra, and Prof. Dr. Mustafa Mohammad El-Abadelah.

First placement among the graduates of the chemistry at the PhD level with an excellent GPA equal 3.98/4.00.

➤ **M.Sc in Applied Chemistry (2010)**

Jordan University of Science and Technology-Jordan

Thesis title: “Synthesis, Characterization and Photolytic Reactions of Heterocyclic-Thiocarboxylate Organoiron Complexes”

Under the supervision of Prof. Dr. Mohammad Y. El-khateeb.

First placement among the graduates of the applied chemistry at the Master level with an excellent rating; average 92.2%.

➤ **B.Sc. in Applied Chemistry (2007)**

Jordan University of Science and Technology-Jordan

Sixth placement among the graduates of the applied chemistry at the Bachelor level with a Very Good rating; average 78.5%.

➤ **The General Secondary Education**

Ministry of Education, the Hashemite Kingdom of Jordan
Scientific stream, Percentage Average: 80.2%

Academic Experience

1. Assistant Professor

Jerash University - Jordan
October 2020 - to Present

2. Lecturer

Fahad bin Sultan University- Saudi Arabia
September 2011- August 2012.

3. Lecturer

Jordan University of Science and Technology-Jordan
February 2008 - January 2009.
February 2011 – June 2011.

Advance Courses:

- 1. Nano-Tech summer school**, Chemnitz University of Technology- Chemnitz-Germany, 25 September – 2 October 2016 (part 1), University of Jordan, Amman-Jordan, 8-10 October 2016 (part 2)
 - 2. Chemical Safety and Security Workshop**, Jordan University of science and technology, Irbid-Jordan, 13 April 2009.
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Published Papers

1. Eslam S. Daloom, Salim S. Sabri, Mustafa M. El-Abadelah, Monther A. Khanfar, **Ala'a A. Al-Akhras** and Jalal A. Zahra, Synthesis and Properties of N1-(indan-5-yl) amidrazones Incorporating Piperazines and Related Congeners, Jordan Journal of Chemistry, 2020, (accepted).
2. Mansour Almatarneh, Rima Al-Omari, Reema Omeir, Ahmad Al Khawaldeh, Akef Afaneh, Mutasem Sinnokrot, **Alaa Al-Akhras**, Ali Marashdeh, Computational Study of the Unimolecular and Bimolecular Decomposition Mechanisms of Propylamine, Scientific Reports, 10, 11698 (2020).
3. Mohammad El-khateeb, Mousa Al-Noaimi, **Ala'a Al-Akhras**, Helmar Görls, and Wolfgang Weigand, Heterocyclic Thiocarboxylato Complexes of Iron: Synthesis, Characterization, electrochemistry and Reactions, Journal of Coordination Chemistry, 2012, 65, 2510–2522

Submitted Papers

1. Preparation of Amino bi-Cyclic Fluoroquinolones Encapsulating Thiophene, Furan and Related Congeners and evaluated the Antibacterial Activity.

Papers Under Ongoing Publishing

1. Synthesis and Antibacterial Activity of Tetracyclic Fluoroquinolones Encapsulating Thiophene, Furan and Related Congeners.
2. X-ray structure of 3,3',4,4',5,5'-hexamethoxy-1,1'-biphenyl
3. Synthesis and Antibacterial Activity of Tetracyclic Fluoroquinolones Encapsulating imidazole and Related Congeners.
4. Synthesis and Antibacterial Activity of Amino bi-Cyclic Fluoroquinolones Encapsulating imidazole and Related Congeners.

Conferences:

1. **9th Jordanian conference on Chemistry**, 21 April 2009 Petra University, Amman.
2. **Organometallic complexes containing sulfur or selenium ligands**, 7th-12th October 2008 Irbid-Jena relationship Jordan university of science and technology, Irbid-Jordan.
3. **8th Jordanian conference on Chemistry**, 28 April 2008 Hashemite University, Zarqa.

Courses Taught

❖ Jerash University

✓ *Undergraduate Level*

<u>Courses</u>	<u>Language</u>
Organic chemistry 1	English
Organic chemistry 2	English
Organic chemistry 3	English
Practical Organic chemistry 1	English
Practical Organic chemistry 2	English
Introduction to spectroscopy	English
Industrial organic chemistry	English
principle of Industrial organic chemistry	English

❖ Fahad bin Sultan University

✓ *Undergraduate Level*

<u>Courses</u>	<u>Language</u>
General chemistry	English
Practical general chemistry	English
Practical general physics	English

❖ Jordan University of Science and Technology

✓ *Undergraduate Level*

<u>Courses</u>	<u>Language</u>
Practical general chemistry	English

Skillful

1. The ability to operate chemistry programs (Topspin, ChemDraw....)
 2. Microsoft Office on advance levels (Word, Excel, Powerpoint & Access).
 3. Ability to online education and use of the related software (Moodle, Zoom, Google Classroom....)
 4. Internet: Most of the Internet applications.
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References

1. Prof. Dr. Jalal Ahmad Zahra

Department of Chemical Sciences, University of Jordan, Amman 11942, Jordan.

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E-mail address: zahra@ju.edu.jo

2. Prof. Dr. Mustafa Mohammad El-Abadelah

Department of Chemical Sciences, University of Jordan, Amman 11942, Jordan.

Phone: +962-6-5355000----Ext.22143, Fax Number: +962 6 5348932

E-mail address: mustelab@ju.edu.jo

3. Prof. Dr. Mohammad Yaseen El-khateeb

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