



Khaled M. Al Khalyfeh C.V.



CURRICULUM VITAE

Khaled Mohammad Al Khalyfeh

June 2021



PERSONAL

<i>Place of Birth</i>	Jordan
<i>Date of Birth</i>	June 11, 1983
<i>Marital Status</i>	Married
<i>Nationality</i>	Jordanian
<i>Work Address</i>	Department of Chemistry, College of Science, Al-Hussein Bin Talal University, Ma'an, Jordan. Phone: +962-3-2179000 Ext.: 6331 , E-mail: k.khalyfeh@ahu.edu.jo
<i>Academic Rank (date)</i>	Assistant Professor (2017)
<i>Permanent Address</i>	71873 Tayybeh, Ma'an, Jordan. E-mail: Khalyfeh@gmail.com

ACADEMIC QUALIFICATIONS

2014 - 2016	Ph.D. , Inorganic Chemistry (Organometallics/ Electrochemistry), Chemnitz University of Technology, Chemnitz, Germany (2017).
2008 - 2012	M.Sc. , Chemistry, Mu'tah University, Al-Karak, Jordan (2012).
2001 - 2005	B.Sc. , Applied Chemistry, Al-Balqa' Applied University (2005), Al-Balqa', Jordan

SPECIALTY

<i>General Specialization:</i>	Chemistry
<i>Specialization :</i>	Inorganic Chemistry



CAREER HISTORY

June 2018 -Present	Assistant Professor , Department of Chemistry, College of Science, Al-Hussein Bin Talal University, Ma'an, Jordan.
Feb. 2007 – Mar. 2017	Laboratory Supervisor and Technician , Department of Chemistry, College of Science, Al-Hussein Bin Talal University, Ma'an, Jordan.
Mar. 2006 – Feb. 2007	Laboratory Technician , Department of Chemistry, College of Science, Al-Tafila Technical University, Al-Tafila, Jordan.
April 2005 – Mar. 2006	Technical and Analyst , Research and development laboratory, Hikma pharmaceuticals company, Amman, Jordan.

ADMINISTRATIVE EXPERIENCE

Positions

Aug. 2017 – Oct. 2018	Head of Chemistry Department , Department of Chemistry, College of Science, Al-Hussein Bin Talal University, Ma'an, Jordan.
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Committees

Sep. 2018 – Oct. 2020	Membership of Council of Faculty of Science, Faculty of Science.
Sep. 2018 – Oct. 2020	Membership of Scientific Research and projects committee, Faculty of Science.
Sep. 2018 – Oct. 2020	Membership of Study plans committee, Faculty of Science.
Aug. 2017 – Oct. 2018	Membership of Council of Faculty of Science, Faculty of Science.
Aug. 2017 – Oct. 2018	Head of Council of Chemistry department, Chemistry department.
Aug. 2017 – Oct. 2018	Head of Study plans committee, Chemistry department.



HONORS, SCHOLARSHIPS, AWARDS AND GRANTS _____

- 2018 **DFG- Research Project Grant.**
Ferrocene- / ferrocenyl-functionalized Dendrimers: Synthesis, Characterization and their electrochemical Behavior), 06/2018-09/2018, Chemnitz, Germany.
- 2019 **DFG- Research Project Grant.**
Core and End-Grafts Ferrocene-containing Dendrimers: Synthesis, Characterization and electrochemical Behavior, 07/2018-09/2018, Chemnitz, Germany.
- 2020 **Visiting Scholar Program Award.**
Research Stay, Chemnitz University of Technology, Chemnitz, Germany, (Not enrolled due to Covid-19 closure in the whole world).
- 2021 **Visiting Scholar Program Award.**
Research Stay, Chemnitz University of Technology, Chemnitz, Germany.

PROFESSIONAL MEMBERSHIPS AND SERVICES _____

Membership(s)

- N.A.

Service(s)

- N.A.

RESEARCH INTEREST _____

- Organometallics.
- Electrochemistry of Inorganic and Organometallic compounds.
- Metal Containing Polymer and Batteries.



PUBLICATIONS

Peer-reviewed journal articles

- Multi-functionalized ferrocenes: -Synthesis and characterization-. A. Hildebrandt, **K. Al Khalyfeh**, D. Schaarschmidt and M. Korb. J. Organomet. Chem., 2016, 804, 87–94.
- Electron Transfer Studies on Conjugated Ferrocenyl Containing Oligomers. A. Hildebrandt, **K. Al Khalyfeh**, J. F. Nawroth and R. Jordan. Organometallics, 2016, 35, 3713–3719.
- Ferrocene-Based Monomers, Oligomers and Polymers as Electro-Active Materials. **K. Al Khalyfeh** - 2016 - qucosa.de.
- Anionic Polymerization of Multi-Vinylferrocenes. **Khaled Al Khalyfeh**, Jonas F. Nawroth, Martin Uhlemann, Ulrich Stoeck, Lars Giebeler, Rainer Jordan and Alexander Hildebrandt. J. Organomet. Chem. 853 (2017) 149–158.
- Ferrocenylmethyl-Functionalized 5-Membered Heterocycles: Synthesis, Solid-State Structure and Electrochemical Investigations. D. Taher, A. Ghazzy, F. F. Awwadi, W. Helal, **K. Al Khalyfeh**, M. Korb, A. Hildebrandt, E. Kovalski, H. Lang. Polyhedron, 152 (2018) 188-194.
- Study the effect of Substituents X on Methylene-cyclopentane and 1-Methylcyclopentene System. Ghassab Al-Mazaideh, Ashraf Al-Msiedeen, Fadi Alakhras, Hammad Aldal'in, Haya Salman, Zeinab Al-Itiwi, **Khaled Al Khalyfeh**, Salim Khalil. Jordanian Journal of Engineering and Chemical Industries (JJEI), 1 (2018) 63-70.
- Corrosion and Electrochemical Studies on the Stability of New Thiacyclopentane Ethers Derived from Quinoline. Ghassab Al-Mazaideh, Muhammad Ashram, **Khaled Al Khalyfeh**, Mansour Almatarneh. Jordan Journal of Chemistry, 14 (2019), 89-96.
- Aryl ferrocenylmethylesters: Synthesis, solid-state structure and electrochemical investigations. Asma Ghazzy, Deeb Taher, Wissam Helal, Marcus Korb, **Khaled Khalyfeh**, Firas F. Awwadi, Rasha K. Al-Shewiki, Saddam Weheabby, Naim Al-Said, Sultan T. Abu-Orabi, Heinrich Lang. Arabian Journal of Chemistry 13 (2020), 3546-3557.



- Synthesis and Characterization of 1,4-chalcogenesters Bearing 5-Membered Heterocycles. **Khaled Al Khalyfeh**, Deeb Taherb, Wissam Helal, Marcus Korb, Imad Hamadneh, Ammar Al-Dujaili, Amer Imraish, Hana M Hammad, Randa M. Al-As'ad, Sultan T Abu-Orabi, Alexander Hildebrandt, Heinrich Lang. Journal of Chemical Sciences 132:117 (2020).
- Thiacycrown Ethers Engaged C 60 through Charge Transfer: Experimental and Theoretical Study. **Khaled Al Khalyfeh**, Akef T. Afaneh, Ali Marshdeh, Mansour H. Almatarneh, Ghassab M. Al-Mazaideh, Shehadeh Mizyed, and Muhammad. ACS Omega 5 (2020), 25049–25058.

Books and book chapters

- N.A.

Patents

- N.A.

CONFERENCES AND PROCEEDINGS

- Poster: Multi-functionalized ferrocenes: -Synthesis and characterization- **K. Al Khalyfeh**, A. Hildebrandt. 14th Ferrocene Colloquium Konstanz, 2016, Konstanz, Germany.
- Talk: New Ferrocene Based Monomers and Polymers as Electro-Active Materials. **K. Al Khalyfeh**, A. Hildebrandt. MANS-14 (2016), Halle, Germany.
- Talk: New Ferrocene Based Monomers and Polymers as Electro-Active Materials. **K. Al Khalyfeh**. International Conference on Advanced Materials, 2017, Irbid, Jordan.



TEACHING

Courses Taught-undergraduate

- General Chemistry 1 (Chem 101), Al-Hussein Bin Talal University.
- General Chemistry 2 (Chem 102), Al-Hussein Bin Talal University.
- General Chemistry Lab. 1 (Chem 103), Al-Hussein Bin Talal University.
- General Chemistry Lab. 2 (Chem 104), Al-Hussein Bin Talal University.
- Inorganic Chemistry 1 (Chem 221), Al-Hussein Bin Talal University.
- Inorganic Chemistry 2 (Chem 321), Al-Hussein Bin Talal University.
- Inorganic Chemistry 3 (Chem 421), Al-Hussein Bin Talal University.
- Inorganic Chemistry Lab (Chem 322), Al-Hussein Bin Talal University.
- Industrial Inorganic Chemistry 1 (Chem 461), Al-Hussein Bin Talal University.
- Organic Chemistry Lab 1 (Chem 233), Al-Hussein Bin Talal University.
- Organic Chemistry Lab for non-chemistry students (Chem 236), Al-Hussein Bin Talal University.

Courses Taught-postgraduate

- N.A.

SKILLS

Languages

- Arabic (native)
- English (excellent)
- Germany (good)

Computer Programs

- N.A.