

Almeqdad Y. Habashneh

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1- EDUCATION:

♦ **Ph.D in Organic Chemistry:** Memorial university of Newfoundland, St John's, Canada
A1B 3X7. 2008

Supervisor: Dr Chet Jablonski, Dr. Paris Georghiou

Thesis work: Synthetic Investigations on New Calixsalens and Modified Thiocalixarenes

♦ **MSc in Organic Chemistry:** Mu'tah University, Al-Karak, Jordan 1999

Supervisor: Dr Helmi Hussian

Thesis work: Synthetic studies relating to functionalized cyclopropanes and Cyclopropens.

♦ **B.Sc in Chemistry:** Mu'tah University, Al-Karak, Jordan. 1995

2- WORK EXPERIENCE:

- **Associate Professor** The University of Jordan, Amman, Jourdan 2017 –until now
- **Assistant Professor** The University of Jordan, Amman, Jourdan 2009 -2017
- **Teaching assistant:** Memorial University, Nefowndland, Canada 2002-2006
- **Laboratory Instructor:** Mu'tah University, Al-Karak, Joradan 2000-2002
- **Teaching assistant:** Mu'tah University, Al-Karak, Joradan. 1997-1998
- **High school chemistry teacher:** Prince Alhassan High school, Al-Karak, Jordan
1995-1997 and 1998-2000

3-SKILS AND INTERESTS:

- Teaching chemistry and organic chemistry courses for graduated and undergraduate students.
- Experience in organic synthesis, supramolecular chemistry and bioorganic chemistry(Synthesis of compounds with antibacterial and anticancer activities)
- Structure determination of new products using NMR, MS, IR and UV spectroscopy.

Languages

I Speak English language fluently and my English academic writing is good.

Fellowship and funding

- Scholarship from Memorial university of Newfoundland for Ph.D degree.
- Funded by the deanship of academic search in the University of Jordan with 22500 JD (2011-2013)
- Funded by the deanship of academic search in the University of Jordan with 12000 JD (2014-2022).
- Funded by the deanship of academic search in the University of Jordan with 10000 JD (2020-until now).
- Funded by Hamdi Mango Center_(HMCSR) with 5000 JD

PUBLICATIONS

- "The cycloaddition of cyclopropenes to enones " Dulayyami, Juma'a R. Al; Baird, Mark S.; Hussain, Helmi H.; Alhourani, Baker J.; **Alhabashna, Al-Meqdad Y.**; Coles, Simon J.; Hursthouse, Michael B. *Tetrahedron Lett.* **2000**, *41*, 4205.
- "Reactions of thiacalix[4]aren1,3-bistriflate: formation of thiacalix-[2]phenoxathiins– structural and complexation studies" **Habashneh, A.**; Jablonski, C. R.; Collins, J. and Georghiou, P. E. *New J. Chem.* **2008**, *32*, 1590.
- "Efficient protocol for one–pot bis-Suzuki coupling reaction to produce teraryl systems by using low mol% of Pd(PPh₃)₄ " **Habashneh, A.**; Jablonski, C. R. and Georghiou, P. E., *acceptance in Synth. commun* **March 2009**.
- " New generation of calix[2]salens with larger cavity size " Habashneh, A.; Jablonski, C. R. and Georghiou, P. E., *manuscript in preparation*.
- "Heterocycles [c]-fused onto Indoloquinoxaline Synthesis of Novel Pyrano[2',3':4,5]indolo[2,3-*b*]quinoxaline-2-ones" **Almeqdad Y. Habashneh**, Mustafa M. El-Abadelah, Mohammed M. Abadleh and Wolfgang Voelter, *Z. Naturforsch.* **2012**, *67b*, 725 – 730.

- "Heterocycles[f]-Fused onto Quinolones. Synthesis of Novel Dioxo-N-ethylpyrano[2,3-f]- and [3,2 -f]quinoline-10-carboxylic Acids" **Almeqdad Y. Habashneh** , Mustafa M. El-Abadelah, Mohammad S. Mubarak , and Wolfgang Voelter , *Z. Naturforsch.* **2013**, *68b*, 1049 – 1055.
- "Synthesis and Antitumor Activities of Some New N1-(Flavon-6-yl)amidrazone Derivatives" **Almeqdad Y. Habashneh**, Mustafa El-Abadelah, Malek A Zihlif, Amer Imraish, Mutasem O. Taha, *Archiv der Farmazie* **2014**, *347*, 415 - 422.
- "Heterocyclic-based ferrocenyl carboselenolates: Synthesis, solid-state structure and electrochemical investigations" Deeb Taher , Firas F. Awwadi, J. Matthäus Speck, Marcus Korb, Dieter Schaarschmidt, Saddam Weheabby, **Almeqdad Y. Habashneh**, Mousa Al-Noaimi, Mohammad El-Khateeb, Sultan T. Abu-Orabi, Heinrich Lang. *J. Organomet. Chem.* **2017**, *847*, 59-67
- "Heterocyclic-based ferrocenyl carboselenolates: synthesis, solid-state structure and electrochemical investigations" D. Taher, F.F. Awwadi, J.M. Speck, M. Korb, D. Schaarschmidt, **A. Habashneh**, M. Al-Noaimi, M. El-khateeb, S.T. Abu-Orabi, H. Lang *J. Organomet. Chem.*, **2017**, *845*, 55-62
- "Synthesis and Structure-Activity Relationship; Exploration of some Potent Anti-Cancer Phenyl Amidrazone Derivatives" **A. Y Habashneh**, M. M. El-Abadelah, S. K. Bardaweel, M. O. Taha. *Med. Chem.* **2018**, *14*, 468–477
- "Insight into the inclusion complexation of fluconazole with sulfonatocalix[4]naphthalene in aqueous solution, solid-state, and its antimycotic activity" T. A. Al Hujran, M. K. Magharbeh, **A.Y. Habashneh**, R.S. Al-Dmour, A. Aboelela, H.M. Tawfeek. **2022**, *27*.
- "Click synthesis, molecular docking and biological evaluation of 1,2,3-triazoles-benzoxazepine hybrid as potential anticancer agents" M. Ashram, **A. Y. Habashneh**, S. Bardaweel, M. O. Taha, *Med. Chem. Res.* **2023**, *32*, 271–287.
- "Docking, synthesis, and anticancer assessment of novel quinoline-amidrazone hybrids" Ahmad H. Abdullah, Ahmad K. Alarareh, Mahmoud A. Al-Sha'er, **Almeqdad Y. Habashneh**, Firas F. Awwadi , Sanaa K. Bardaweel **2024**, *7*, 1–12.
- "Design and synthesis of acyclic bis-triazole ligands: Complexation with metal ions, DFT calculations, and biological activity" Mousa E. Al-Qaraleh, Wael A. Al-Zereini, Ahmed Al-Mustafa, Wissam Helal, **Almeqdad Y. Habashneh**, Shehadeh A. Mizyed, Muhammad Ashram *J. Mol. Struct.* **2024**, *1301*, 137342.
- "Synthesis, complexation, in vitro cholinesterase inhibitory activities and molecular docking of azinethiacrown ethers and acyclic thiacycrown ethers derived indole"

Muhammad Ashram, Ahmed Al-Mustafa, **Almeqdad Y. Habashneh**, Shehadeh A. Mizyed, Mahmoud A. Al-Sha'er *J. Mol. Struct.* **2024**, *1303*, 137623.

Conference, presentations and workshops

"New generation of calix[2]salens with varying cavity size " **Habashneh, A.**; Jablonski, C. R. and Georghiou, P. E., **2003**. 86th Chemical Society of Canada Conference and 39th IUPAC international conference, Ottawa, Canada.

"Synthesis and characterization of new chiral calixsalens with varying cavity size" **Habashneh, A.**; Jablonski, C. R. and Georghiou, P. E., **2005**. The 3th APICS/CIC Atlantic chemistry conference. St John's, Canada.

"Narrow-rim Modifications of Calix[4]arene, Thiocalix[4]-arene and Calix-[4]naphthalene *via* Sonogashira coupling reactions " Georghiou, P. E.; **Habashneh, A.**; Al-Saraierh and Tran,H.-A. **2007**. Calix2007: 9th International Conference on Calixarene Chemistry, Univ. Maryland, College Park, MD, USA, August 6–9.

11th Eurasia on Chemical Science, October, 2010, Dead Sea, Jordan.

International conference of young chemists 2012, Amman, Jordan.

The 1st International conference on natural products and drug discovery 2015, Amman, Jordan.

Chemical Security Workshop (CSP -US department of state) 7-10 June, 2015.

"Synthesis and antitumor activities of some new amidrazone derivatives" **Habashneh A. Y.** **2017**. Jordanian Life science for sustainable development, Amman, Jordan April 27-29.

References

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