

CURRICULUM VITAE

Nafisah Al-Rifai

Born on 24.09.1982 in Anata-Jerusalem.

Address

German-Jordanian University
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Professional Experience

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| Since 4th Sep. 2022 | Acting PCE department Head at the German-Jordanian University (Amman, Jordan). |
| Since September 2014 | Assistant professor at the German-Jordanian University (Amman, Jordan). |
| Oct. 2010 – Mar. 2014 | A PhD student at Institut für Organische Chemie, Universität Regensburg (Regensburg, Germany).
Thesis title: The α -Substitution of Chalcones as a Tool to Modulate the Reactivity and Biological Activity. |
| Apr. 2010 – Sep. 2010 | Intensive German language course in InterDaF (Leipzig, Germany) - (DSH-2). |
| Feb. 2007 – Mar. 2010 | Teaching and research assistant then lecturer at German-Jordanian University (Amman, Jordan). |
| Oct. 2004 – Feb. 2007 | A Master student in Organic Chemistry, Chemistry Department at the University of Jordan (Amman, Jordan), excellent rating (3.94 out of 4).
Supervisor: Prof. Musa Nazer (PhD from Harvard University).
Thesis Title: Cyclization to Substituted-2 <i>H</i> -Indazoles: Study of the Reaction of 2-Nitro- <i>N</i> -substituted Benzylamines with Cyclic and Acyclic Amines.

Involved in teaching Inorganic Chemistry, Organic Chemistry (I) and Organic Chemistry (II) laboratories at the department. |
| Oct. 2000 – Jun. 2004 | A Bachelor student in Chemistry, Chemistry Department at the University of Jordan (Amman, Jordan), excellent rating (3.83 out of 4). The (1 st) out of (102) students in the Academic year 2003/2004.

Involved in teaching Inorganic Chemistry and Organic Chemistry (II) laboratories, Chemistry Department at the University of Jordan during my B. Sc. studies (2003-2004). |

Scholarship

Oct. 2010 – Mar. 2014 A PhD scholarship from DAAD (Deutscher Akademischer Austausch Dienst).

Fund

2018 Seed-grant from Deanship of graduate studies and scientific research at the German-Jordanian University.

Publications

1. Al-Gharabli, S.; **Al-Rifai, N.**; Saadeh, H. A.; Mosleh, I. M.; Mubarak, M. S., Solid phase synthesis and antiparasitic activity of a library of peptidyl metronidazoles. *Jordan Journal of Chemistry* **2010**, 5, 139-147.
2. Amslinger, S.;[§] **Al-Rifai, N.**;[§] Winter, K.; Wörman, K.; Scholz, R.; Baumeister, P.; Wild, M., Reactivity Assessment of Chalcones by a Kinetic Thiol Assay. *Org. Biomol. Chem.* **2013**, 11, 549-554. ([§]Both authors contributed equally to this work).
3. **Al-Rifai, N.**; Rücker, H.; Amslinger, S., Opening or Closing the Lock? – When Reactivity is the Key to Biological Activity. *Chem. Eur. J.* **2013**, 19, 15384-15395.
4. Pinz, S.; Unser, S.; Brueggemann, S.; Besl, E.; **Al-Rifai, N.**; Petkes, H.; Amslinger, S.; Rasclé, A., The synthetic α -bromo 2',3,4,4'-tetramethoxychalcone (α -Br-TMC) inhibits the JAK/STAT signaling pathway. *PLOS ONE* **2014**, 9, e90275.
5. Rücker, H.; **Al-Rifai, N.**; Rasclé, A.; Gottfried, E.; Brodziak-Jarosz, L.; Gerhäuser, C.; Dick, T.P.; Amslinger, S., Enhancing the anti-inflammatory activity of chalcones by tuning the Michael acceptor site. *Org. Biomol. Chem.* **2015**, 13, 3040-7.
6. Kaufmann, KB.; **Al-Rifai, N.**; Ulbrich, F.; Schallner, N.; Rücker, H.; Enzinger, M.; Petkes, H.; Pitzl, S.; Goebel, U.; Amslinger, S., The Cytoprotective Effects of E- α -(4-Methoxyphenyl)-2',3,4,4'-Tetramethoxychalcone (E- α -p-OMe-C₆H₄-TMC)-A Novel and Non-Cytotoxic HO-1 Inducer. *PLOS ONE* **2015**, 10, e0142932.
7. Abu El-Rub, Z.; Kujawa, J.; Albarahmieh, E.; **Al-Rifai, N.**; Qaimari, F. Al-Gharabli, S., High Throughput Screening and Characterization Methods of Jordanian Oil Shale as a Case Study. *Energies* **2019**, 12, 3148.
8. Ahmad Barghash, Samer I Al-Gharabli, Malak Jweihan, Maisam Tanbouz, Esra' AlBarahmieh, Eyad Hamad, **Nafisah Al-Rifai**, Hussam AlHawari, Lubna H Tahtamouni, Angiotensin Converting Enzyme (ACE) Gene Polymorphism in Jordanian Type-1 and Type-2 Diabetic Patients. *Jordan Journal of Biological Sciences*, **2020**, 13 (2), 207-211.
9. **Nafisah Al-Rifai**, M. Mubarak, α -substituted chalcones: a key review, *ChemistrySelect*, **2021**, 6(46), 13224-13252.

10. **Al-Rifai, N.**; Alshishani, A.; Saad, B.; Rasras, A.; Zahra, J.; Madieh, S.; Darras, F. Synthesis, Isolation, Identification and Characterization of a Drug-Excipient Interaction Degradation Impurity in Pramipexole by HPLC, LC/MS and NMR. *Separations*, **2023**, 10(1), 7.
11. Anas J. Rasras, Rawhi H. Al-Far, Eyad A. Younes, Mohamad M. Shakdofa, **Nafisah M. Al-Rifai**, Synthesis and crystal structure, Hirshfeld surface analysis, and DFT calculation of 2-((4-(1-benzyl-2-methyl-4-nitro-1H-imidazol-5-yl)piperazin-1-yl)methyl)-5-phenyl-1,3,4-oxadiazole, *Journal of Molecular Structure*, **2023**, 1280, 135069.
12. **Nafisah Al-Rifai**, Anas Alshishani, Fouad Darras, Ola Taha, Shereen Abu-Jalloud, Lena Shaghlil, Yousef Al-Ebini, Solriamfetol impurities: Synthesis, characterization, and analytical method (UPLC-UV) validation, *Journal of Pharmaceutical Analysis*, **2023**,

References

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