



CURRICULUM VITAE

Buthaina hussein Khalid Hussein

Assistant Professor of medicinal chemistry

Pharmacy Department

Faculty of Pharmacy

Al Zaytoonah University of Jordan, Amman, Jordan

Phone: + 962-6-4291511, ext. 278

E-mail: buthina.hussein@zuj.edu.jo

mobile: +962799857958

**Photo
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1. Personal Data

Date of Birth: 14/4/1982

Nationality: Jordanian

2. Education

- Ph.D. (pharmacy and pharmaceutical sciences/ Medicinal Chemistry) 2016, The University of Manchester, Manchester-UK
- M.Sc. (pharmaceutical sciences/ Medicinal chemistry,2010 University of Jordan, Amman-Jordan.
- B.Sc. (in pharmacy) 2008 AL-Zaytoonah private university of Jordan, Amman-Jordan.
- B.Sc. (in Chemistry) 2004, University of Jordan, Amman-Jordan.

3. Ph.D. Dissertation

Synthesis and evaluation of novel NQO2 inhibitors, University of Manchester, Manchester-UK

4. Employment

Academic Positions

- Assistant Professor, Pharmacy, Al Zaytoonah University of Jordan, Amman, Jordan. Oct 2016-now.



QFG11/0110 - 3.1E

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- Laboratory instructor in the pharmacy department, Almaarefa collage, Riyadhah 2/2011-6/2011.
- Laboratory instructor in the faculty of pharmacy AL-Zaytoonah private University of Jordan, Amman 3/3/2008 - 20/6/2010

Administrative Positions

Pharmacy department supervisor, Technical institute for health training, Riyadhah 2/10/2010 -16/1/2012.

5. Research Interests

Chemical synthesis of anticancer, antimicrobial candidates, molecular modelling studies.

6. Membership in Scientific Societies and Associations

- Jordan Pharmacists Association

7. Honors and Awards

Not Applicable

8. Fellowships and Scholarships

- PhD Scholarship from Al-Zaytoonah University of Jordan (2013 - 2016).

9. Teaching Experience

- *Graduate Courses*

Not Applicable

- *Undergraduate Courses*

1. Pharmaceutical organic chemistry 1
2. Pharmaceutical organic chemistry 2
3. Phytotherapy
4. Medicinal chemistry Laboratory
5. Medicinal chemistry 1 and drug design.
6. Medicinal chemistry 2



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7. Medicinal chemistry 3
8. Pharmacy Practice II
9. Instrumental analysis laboratory

10. Supervision of Graduate Research

- Not Applicable

11. Grants

Design, Synthesis, and Biological Evaluation of a New Series of bacterial β -Carbonic Anhydrase Inhibitors, 2019, AL-Zytoonah University of Jordan, 25843 JD

12. Patents

Not Applicable

13. Membership of Committees

Not Applicable

14. Professional and Scientific Meetings

- Al-Zaytoonah University of Jordan and The University of Toledo International Pharmaceutical Conference (ZTIPC) 2017. Amman, Jordan.
- The 7th International Conference on Drug Discovery & Therapy, poster presenter, Dubai, UAE, 2/2016.
- Faculty of medical and human sciences postgraduate, poster presenter, The University of Manchester, Manchester-UK, 9/2015.
- Faculty of medical and human sciences postgraduate, The University of Manchester, Manchester-UK, 9/2014.
- NCRI Cancer Conference, Liverpool, UK, 11/2013.
- The 26th Arabic international pharmacist union conference, Amman-Jordan, 2008.
- The Jordanian international pharmaceutical conference, Amman, Jordan, 2008

15. Participation in or organization of curricular and/or extra-curricular activities



Not Applicable

16. Publications

1-Synthesis and Biological Evaluation of Carbonic Anhydrase III and IX Inhibitors using Gas Chromatography with Modified pH-Sensitive Pellets

Buthaina Hussein, Laurance M. S. Bourghli, Muhammed Alzweiri, Yusuf Al-Hiari, Mohammad Abu Sini, Soraya Alnabulsi, Batool Al-Ghwairi

Jordan Journal of Pharmaceutical Sciences, Volume 16, No. 2, Supplement 1, **2023**

2-Synthesis of microwave-assisted carboxamides in Triton WR-1339-induced hyperlipidemic rats: possible hypolipidemic heterocyclic compounds

Basmah Al-Jammal, Buthaina Hussein, Yusuf Al-Hiari, Tareq Al-Qirim, Manal Al-Najdawi, Lama Hamadneh, Mohammad Alwahsh and Balqis Ikhmais
RSC Adv., **2023**, 13, 22193

3-Evaluation of 4-Aminoquinoline Hydrazone Analogues as Potential Leads for Drug-Resistant Malaria

Rachael N. Magwaza, Muna Abubaker, Buthaina Hussain, Michael Haley, Kevin Couper, Sally Freeman, and Niroshini. Nirmalan, Molecules **2023**, 28, 6471

4-Hussein, B., Ikhmais, B., Kadirvel, M., Magwaza, R., Halbert, G., Bryce, R.A., Stratford, I.J., Freeman, S. aminoquinoline hydrazone inhibitors of NRH:quinoneoxidoreductase-2 (NQO2), EJMC, 182, **2019**, 111649.

5-Alnabulsi, S. Santina, E., Russo, I., Hussein, B., Kadirvel, M., Chadwick, A., Bichenkova, E.V., Bryce, R. A., Nolan, K., Demonacosa, C., Stratford, I.J., Freeman, S; Non-symmetrical furan-amidines as novel leads for the treatment of cancer and malaria, EJMC, 111, **2016**, 33-45.

6-Alnabulsi, S., Hussein, B., Santina, E., Alsalahat, I., Kadirvel, M., Magwaza, R.N., Bryce, R.A., Schwalbe, C.H., Baldwin, A.J., Russo, I., Stratford, I.J., Freeman, S., Evaluation of analogues of furan-amidines as inhibitors of NQO2; BMJL, 28, **2018**, 1292-1297.

7-Synthesis of Benzothiophene Carboxamide Derivatives and their Pharmacological Evaluation as Potent Antihypertriglyceridemic Agents in Rats Ghassan Abu Sheikh, Buthina Hussain, Yusuf Al-Hiari, Tariq Al-Qirima, and Ghassan Shattat. Z. Naturforsch. 66 c, 93 – 103 (**2011**)