



## ALI HASAN ALQURAINI, Ph.D.

Assistant Professor of Pharmacology  
Department of Pharmaceutical Chemistry  
Faculty of Clinical Pharmacy  
Al Baha University  
Al Baha, Saudi Arabia

E-Mail | [aalquraini@bu.edu.sa](mailto:aalquraini@bu.edu.sa)  
Profile Page | [Personal Web Page](#)

### EDUCATION

**Postdoctoral Research Fellowship**, Center for Immunology and Inflammatory Diseases, Massachusetts General Hospital, Harvard Medical School, Harvard University, Boston, MA, USA, 2019-2020.

**PhD in Pharmacology**, Massachusetts College of Pharmacy and Health Sciences (MCPHS) University, Boston, MA, USA, 2014-2018.

**MS in Pharmacology**, Massachusetts College of Pharmacy and Health Sciences (MCPHS) University, Boston, MA, USA, 2011-2013.

**BS in Pharmacy**, University of Jordan, Amman, Jordan, 2001-2008.

### PROFESSIONAL POSITIONS

**Assistant Professor of Pharmacology**, Department of Pharmaceutical Chemistry, Faculty of Clinical Pharmacy, Al Baha University, Al Baha, Saudi Arabia, 2018-Present.

**Vice Dean for Development and Quality**, Faculty of Clinical Pharmacy, Al Baha University, Al Baha, Saudi Arabia, 2021.

**Vice Dean for Development and Quality**, Faculty of Clinical Pharmacy, Al Baha University, Al Baha, Saudi Arabia, 2018-2019.

**Research Assistant**, Massachusetts College of Pharmacy and Health Sciences (MCPHS) University, Boston, MA, USA, 2014-2016

**Teaching Assistant**, Massachusetts College of Pharmacy and Health Sciences (MCPHS) University, Boston, MA, USA, 2014-2016

**Pharmacist**, King Fahad Hospital of the University, Imam Abdulrahman Bin Faisal University, Al Khobar, Saudi Arabia, 2009-2011.

### PROFESSIONAL MEMBERSHIPS

**Member**, American Society for Pharmacology and Experimental Therapeutics (ASPET)

**Member**, Orthopedic Research Society (ORS)

**Member**, Osteoarthritis Research Society International (OARSI)

- Zafar A, Yasir M, Alruwaili NK, Imam SS, Alsaidan OA, Alshehri S, Ghoneim MM, **Alquraini A**, Rawaf A, Ansari MJ, Sara UVS. Formulation of Self-Nanoemulsifying Drug Delivery System of Cephalexin: Physicochemical Characterization and Antibacterial Evaluation. *Polymers* (Basel). 2022 Mar 7;14(5):1055. doi: 10.3390/polym14051055. PMID: [35267877](#)
- Imam SS, Al-Abbasi FA, Hosawi S, Afzal M, Nadeem MS, Ghoneim MM, Alshehri S, Alzarea SI, **Alquraini A**, Gupta G, Kazmi I. Role of platelet rich plasma mediated repair and regeneration of cell in early stage of cardiac injury. *Regen Ther*. 2022 Feb 15;19:144-153. doi: 10.1016/j.reth.2022.01.006. PMID: [35229012](#)
- Zafar A, Alruwaili NK, Imam SS, Yasir M, Alsaidan OA, **Alquraini A**, Rawaf A, Alsuwayt B, Anwer MK, Alshehri S, Ghoneim MM. Development and Optimization of Nanolipid-Based Formulation of Diclofenac Sodium: In Vitro Characterization and Preclinical Evaluation. *Pharmaceutics*. 2022 Feb 25;14(3):507. doi: 10.3390/pharmaceutics14030507. PMID: [35335883](#)
- Zafar A, Imam SS, Alruwaili NK, Yasir M, Alsaidan OA, Alshehri S, Ghoneim MM, Khalid M, **Alquraini A**, Alharthi SS. Formulation and Evaluation of Topical Nano-Lipid-Based Delivery of Butenafine: In Vitro Characterization and Antifungal Activity. *Gels*. 2022 Feb 18;8(2):133. doi: 10.3390/gels8020133. PMID: [35200513](#)
- Zafar A, Alruwaili NK, Imam SS, Alsaidan OA, Ahmed MM, Yasir M, Warsi MH, **Alquraini A**, Ghoneim MM, Alshehri S. Development and Optimization of Hybrid Polymeric Nanoparticles of Apigenin: Physicochemical Characterization, Antioxidant Activity and Cytotoxicity Evaluation. *Sensors* (Basel). 2022 Feb 10;22(4):1364. doi: 10.3390/s22041364. PMID: [35214260](#)
- Abdi SAH, Alzahrani A, Alghamdi S, **Alquraini A**, Alghamdi A. Hexaconazole exposure ravages biosynthesis pathway of steroid hormones: revealed by molecular dynamics and interaction. *Toxicol Res (Camb)*. 2021 Dec 16;11(1):60-76. doi: 10.1093/toxres/tfab113. PMID: [35237412](#)
- Afzal M, Kazmi I, Al-Abbasi FA, Alshehri S, Ghoneim MM, Imam SS, Nadeem MS, Al-Zahrani MH, Alzarea SI, **Alquraini A**. Current Overview on Therapeutic Potential of Vitamin D in Inflammatory Lung Diseases. *Biomedicines*. 2021 Dec 6;9(12):1843. doi: 10.3390/biomedicines9121843. PMID: [34944659](#)
- Zafar A, Alruwaili NK, Imam SS, Alsaidan OA, Alkholifi FK, Alharbi KS, Mostafa EM, Alanazi AS, Gilani SJ, Musa A, Alshehri S, Rawaf A, **Alquraini A**. Formulation of Genistein-HP  $\beta$  Cyclodextrin-Poloxamer 188 Ternary Inclusion Complex: Solubility to Cytotoxicity Assessment. *Pharmaceutics*. 2021 Nov 24;13(12):1997. doi: 10.3390/pharmaceutics13121997. PMID: [34959278](#)
- Abdi SAH, Alzahrani A, Asad M, **Alquraini A**, Alghamdi AI, Sayed SF. Molecular docking and dynamics simulation to screen interactive potency and stability of fungicide tebuconazole with thyroid and sex hormone-binding globulin: Implications of endocrine and reproductive interruptions. *J Appl Toxicol*. 2021 Oct;41(10):1649-1659. doi: 10.1002/jat.4153. Epub 2021 Feb 25. PMID: [33629778](#)
- Izzy S, Brown-Whalen A, Yahya T, Sarro-Schwartz A, Jin G, Chung JY, Lule S, Morsett LM, **Alquraini A**, Wu L, Hickman SE, Whalen MJ, El Khoury J. Repetitive Traumatic Brain Injury Causes Neuroinflammation before Tau Pathology in Adolescent P301S Mice. *Int J Mol Sci*. 2021 Jan 18;22(2):907. doi: 10.3390/ijms22020907. PMID: [33477535](#)
- **Alquraini A**, El Khoury J. Scavenger receptors. *Curr Biol*. 2020 Jul 20;30(14):R790-R795. doi: 10.1016/j.cub.2020.05.051. PMID: [32693066](#)

- **Alquraini A**, Jamal M, Zhang L, Schmidt T, Jay GD, Elsaid KA. The autocrine role of proteoglycan-4 (PRG4) in modulating osteoarthritic synoviocyte proliferation and expression of matrix degrading enzymes. Arthritis Res Ther. 2017 May 8;19(1):89. doi: 10.1186/s13075-017-1301-5. PMID: [28482921](#).
- **Alquraini A**, Garguilo S, D'Souza G, Zhang LX, Schmidt TA, Jay GD, Elsaid KA. The interaction of lubricin/proteoglycan 4 (PRG4) with toll-like receptors 2 and 4: an anti-inflammatory role of PRG4 in synovial fluid. Arthritis Res Ther. 2015 Dec 4;17:353. doi: 10.1186/s13075-015-0877-x. PMID: [26643105](#).

### POSTER PRESENTATIONS PRESENTED AT PROFESSIONAL MEETINGS

- **Alquraini A**, Garguilo S, Zhang LX, Schmidt TA, Jay GD, Elsaid KA. The interaction of lubricin/proteoglycan-4 (PRG4) with toll-like receptor 2: an anti-inflammatory role of PRG4 in synovial fluids from patients with osteoarthritis. **Poster Presentation**, Osteoarthritis Research Society International (OARSI), Amsterdam, Netherlands, March 2016.
- **Alquraini A**, Schmidt T, Jay GD, Elsaid KA. Recombinant human proteoglycan 4 modulates expression of pro-inflammatory cytokines and matrix degrading enzymes in unstimulated and interleukin-1 stimulated osteoarthritic fibroblast-like synoviocytes. **Oral Presentation**, Orthopaedic Research Society (ORS) Annual Meeting, San Diego, CA, March 2017.