

Curriculum Vitae

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Assistant Professor

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Work Experience

- 05/2015 – Present: **Assistant Professor, King Saud University**
- Department of Pharmaceutical Chemistry
- 01/2007 – 08/2008: **Teaching Assistant, King Saud University**
- Department of Pharmaceutical Chemistry
 - Teach and Supervise Pharmaceutical Chemistry laboratory courses.
- 08/2006 – 02/2007: **Pharmacist, King Abdulaziz Medical City**
- Receive hands-on training in hospital pharmacy
 - Medication preparations for in-patient and outpatient
 - Clinical pharmacy rotations

Education

- 05/2009 – 04/2015: **Doctor of Philosophy (Ph. D), University of Pittsburgh, United States of America**
- Major:** Medicinal Chemistry and Biochemistry
- Dissertation:** Design, Synthesis, and Biological Evaluations of Novel Cannabinoid Receptor 2 Ligands with Therapeutic Potentials
- Scholarships and Awards:** Saudi Arabian Cultural Mission (SACM) Student Scholarship (2009 – 2015)
- 05/2001 – 01/2007: **Bachelor of Science (BSc), King Saud University, Saudi Arabia**
- Major:** Pharmaceutical Sciences

Published Articles:

1. **Almekhizia AA**, Peng Yang, Qin Tong and Xiang-Qun Xie, Design, Synthesis, and Biological Evaluation of Novel 4-(aminomethyl)-*N,N*-diethylaniline Derivatives as Selective Cannabinoid Receptor 2 (CB2) Ligands, J Med Chem. (Submitted)
2. Feng Z, Kochanek S, Close D, Wang L, Srinivasan A, **Almekhizia AA**, Iyer P, Xie XQ, Johnston PA, Gold B. Design and activity of AP endonuclease-1 inhibitors. J Chem Biol. 2015 Apr 19;8(3):79-93.
3. **Almekhizia AA**, Peng Yang, Lirong Wang and Xiang-Qun Xie, Latest advances in the multiple myeloma drug research: from molecular signaling pathways to small molecules development, Current Trends in Medicinal Chemistry, 2013, Vol.7, 105-133.
4. Yang P, Wang L, Feng R, **Almekhizia AA**, Tong Q, Myint KZ, Ouyang Q, Alqarni MH, Wang L, Xie XQ. Novel triaryl sulfonamide derivatives as selective cannabinoid receptor 2 inverse agonists and

osteoclast inhibitors: discovery, optimization, and biological evaluation. J Med Chem. 2013 Mar 14;56(5):2045-58.

5. Yang P, Myint KZ, Tong Q, Feng R, Cao H, **Almehizia AA**, Alqarni MH, Wang L, Bartlow P, Gao Y, Gertsch J, Teramachi J, Kurihara N, Roodman GD, Cheng T, Xie XQ. Lead discovery, chemistry optimization, and biological evaluation studies of novel biamide derivatives as CB2 receptor inverse agonists and osteoclast inhibitors. J Med Chem. 2012 Nov 26;55(22):9973-87

Applied patents:

1. **Almehizia AA**, Yang P, and Xie, X-Q, Novel Cannabinoid Receptor 2 Ligands as Anti-Osteoclastogenesis Agents, Pitt Ref No.: 03493, 2015

Honors and Awards:

2014: Travel award from the Saudi Arabian Cultural Mission to present a poster at the GPCR: Structure, Function and Drug Discovery 2014, Boston, MA

Memberships in Scientific and Professional Committees and Societies:

2015 – present: Member, Health Sciences Admissions Committee
2009 – present: Member, American Chemistry Society (ACS)
2009 – present: Member, American Association of Pharmaceutical Scientists (AAPS)
2007 – present: Member, Saudi Pharmaceutical Society (SPS)