

### Faculty Portfolio

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#### Education:

Year of Graduation	Qualifications (Specializations if any)	University/College, Country
2008	Bachelor's Degree of Pharmacy (BSc.)	King Khalid University, Saudi Arabia
2014	Master of Science in pharmacology (MS.)	University of Cincinnati, United States
2021	Doctor of Philosophy in pharmacology (PhD.)	Auburn University, United States

#### Professional experience:

Year	Positions	University/College, Country
2022	Assistant Professor	King Khalid University, Saudi Arabia
2015	Lecturer	King Khalid University, Saudi Arabia
2008	Teaching Assistant	King Khalid University, Saudi Arabia

#### Workshops/ Trainings:

Year	Title	University/Company, Country
2023	Developing Teaching and Evaluation methods	King Khalid University
2022	Promoting institutional values	King Khalid University
2022	Communicating with others and influencing academic system	King Khalid University
2022	Improving the Quality and Academic Process	King Khalid University
2021	Flow cytometry training	Auburn University
2021	CRISPR Design, Strategy and Analysis	Auburn University
2013	Training at Dr. Michael Borchers' laboratory, University of Cincinnati, in the division of Pulmonary and Critical Care Medicine.	University of Cincinnati

	<p>-Training on Cardiovascular Pharmacology conducted by Dr. Hong-Sheng Wang's laboratory, in the department of Pharmacology and Cell Biophysics</p>	
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### Experimental Skills

- Cell culture: HCAEC, HUVEC, THP-1, HeLa, 1321N1, H9C2, HEK-293, HEK-293T, RAW 264.7, EA.hy926.
- Extensive experience in Western Blot, DNA/RNA isolation, PCR, Elisa, Calcium signaling assay, Luciferase, Flow cytometry, Glucose uptake assay, Immunofluorescence.
- Plasmid Gene Transfection: Generating knock-down/knock-out and knock-in gene expression cell lines.
- Familiar with CRISPR/Cas9 approach to generate knockout gene expression cell lines.
- Software: Microsoft Suite, Graphpad Prism, RStudio, Image J , Quantity one.

### WORK EXPERIENCE:

- Chairman of the Pharmacognosy Department, College of Pharmacy, KKU, 2015.
- Chairman of the Pharmacology Department, College of Pharmacy, KKU, 2023-present.
- Chair of advising and counseling unit, College of Pharmacy, KKU, 2022-2023.
- Member of plans and curriculum committee, College Pharmacy, KKU, 2023-Present.
- Member of the Student Excuse Committee, KKU, 2022.
- Chair of Quality Committee in Department of Pharmacology, College of Pharmacy, KKU, 2022-Present.

### RESEARCH INTRESTS:

- Molecular Pharmacology
- Cell Signaling
- Receptor Pharmacology
- Gene editing

### Awards:

- Best Achievement award for PhD degree -2023 by King Khalid University.

### Conference attendance/presentations:

- Has Attended 4<sup>th</sup> International Conference of Knowledge, Skills and Abilities in Pharmacy and Toxicology, 2022-Conducted by KSAPT.
- Reversible inhibition of four important human liver cytochrome P-450 enzymes by diethylstilbestrol, 2012, MCPHS University.
- Role of P-glycoprotein in restricting the brain penetration of drugs., 2012, MCPHS University.
- Role of angiotensin converting enzyme (ACE2) and angiotensin (1-7) in the heart, 2013, University of Cincinnati.
- Attended conference for the American Society for Pharmacology and Experimental Therapeutics,the British Pharmacological Society, 2013. Boston Convention Center, Boston, MA.
- Attended conference for the northeast regional chapter of the Society of Toxicology, 2011. Cambridge, MA.
- Attended National Conference on Experimental Biology (EB) Meeting, 2020.

### Publications

1. Alam, Mohammad Firoz; Ajeibi, Ahmed O; Safhi, Majed H; Alabdly, Ahmad JA; Alshahrani, Saeed; Rashid, Hina; Qadri, Marwa; Jali, Abdulmajeed M; Alqahtani, Saud; Nomier, Yousra; Therapeutic Potential of Capsaicin against Cyclophosphamide-Induced Liver Damage,Journal of Clinical Medicine,12,3,911,2023,MDPI.
2. Khan, Gyas; Alam, Mohammad Firoz; Alshahrani, Saeed; Almoshari, Yosif; Jali, Abdulmajeed M; Alqahtani, Saud; Khalid, Mohammad; Mir Najib Ullah, Shehla Nasar; Anwer, Tarique; Trastuzumab-Mediated Cardiotoxicity and Its Preventive Intervention by Zingerone through Antioxidant and Inflammatory Pathway in Rats,Journal of Personalized Medicine,13,5,750,2023,MDP.

3. Shi, Yi; Qian, Shenqi; Alqahtani, Saud; Peng, Qianman; Shen, Jianzhong; CXCR7 Promotes Adipogenesis and Insulin Resistance in Human Visceral Adipocytes, The FASEB Journal, 36,2022,Wiley Online Library.
4. Peng Q, Alqahtani S, Nasrullah MZA, Shen J. Functional evidence for biased inhibition of G protein signaling by YM-254890 in human coronary artery endothelial cells. Eur J Pharmacol. 2021 Jan 15; 891:173706.
5. Peng, Qianman; Qian, Shenqi; Alqahtani, Saud; Panizzi, Peter; Shen, Jianzhong; The P2Y2 Nucleotide Receptor Mediates Monocyte Tissue Factor Expression and Endotoxemia Death in Mice, bioRxiv, 2021.12. 28.474395, 2021, Cold Spring Harbor Laboratory.