

Dr. Ahmed Zuwaiel Alanazi

Assistant Professor

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Department of Pharmacology and Toxicology

College of Pharmacy, King Saud University, Saudi Arabia

QUALIFICATIONS

- Doctor of Philosophy (Pharmaceutical Sciences), Molecular Medicine and Pharmacogenomics, College of Pharmacy, Nova Southeastern University, United States, December 31, 2017.
- Bachelor degree of Pharmaceutical Sciences (General Pharmacy), College of Pharmacy, King Saud University, Saudi Arabia, 2009/2010, GPA 4.36/5, second class honour.
- High School diploma (Science Track), Arradhwah High School, Riyadh, Saudi Arabia, 2003/2004, GPA 96.42%.

EMPLOYMENTS

- Assistant Professor, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia, Jan 2018-Present.
- Teaching Assistant, College of Pharmacy, Nova Southeastern University, Fort Lauderdale, Florida, United States, 2012-2014.
- Research assistant, College of Pharmacy, Nova Southeastern University, Fort Lauderdale, Florida, United States, 2014-2017.
- Teaching Assistant, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia, Sep 2010 – Dec 2017.
- Pharmacist, King Fahad Medical City, Riyadh, Saudi Arabia, May 2010 – Aug 2010.
- Pharmacist, AlKharj Military Hospital, AlKharj, Saudi Arabia, Feb 2010 – Apr 2010.

PROFESSIONAL MEMBERSHIPS

- Member, Delta Epsilon Iota Academic Honor Society, Academic Excellence and Strong Leadership Qualities, Lifetime Membership, College of Pharmacy, Nova Southeastern University, Fort Lauderdale, Florida, United States. (2015- Present)
- Member, Rho Chi Society (Academic Honor Society for Pharmaceutical Sciences), College of Pharmacy, Nova Southeastern University, Fort Lauderdale, Florida, United States. (2014-Present)

- Member, American Society for Pharmacology and Experimental Therapeutics (ASPET), Rockville, Maryland, United States. (2018-Present)
- Member, Saudi Pharmaceutical Society, Riyadh, Saudi Arabia. (2018-Present)
- Member, Annual Report Committee in the Department of Pharmacology and Toxicology, at King Saud University (2018-2020)
- Member, Study Plans, Programs and Curriculum Committee for the Bachelor's studies, Pharmacology and Toxicology Department, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia. (2018-present)
- Member, Study Plans, Programs and Curriculum Committee for the Postgraduate studies, Pharmacology and Toxicology Department, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia. (2020-present)

WORKSHOPS AND TRAININGS

- Participant as speaker at Basic Research Skills workshop, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia. Feb. 2020.
- Cognitive and performance examinations training, Technical Institute for Health Training (CRP Center), Saudi Heart Association/ American Heart Association, Riyadh, Saudi Arabia. Mar 2010.
- Internship Training, Pharmacy Department, King Abdulaziz Medical City – National Guard Health Affairs, Riyadh, Saudi Arabia. Oct 10, 2009 – Jan 27, 2010.
- Al Razi Program, King Faisal Specialist Hospital & Research Centre, Riyadh, Saudi Arabia. Jul 25 – Aug 19, 2009.
- Training Program, Dallah Hospital, Riyadh, Saudi Arabia. Aug 2 – Sep 28, 2008.
- Workshop, King Abdulaziz and his companion foundation for giftedness and creativity, Riyadh College of Technology, Riyadh, Saudi Arabia. Jul 05 – Aug 01, 2003.

CONFERENCES AND SYMPOSIUM

- Research Day, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia, 2020.
- Poster Presentation, Experimental biology Conference 2019, Orlando, Florida, United States, 2019.
- Research Day, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia, 2018.
- Poster Presentation, Experimental biology Conference 2016, San Diego, California, United States, 2016.
- Poster Presentation, Health Professions Division Research Day, College of Pharmacy, Nova Southeastern University, Fort Lauderdale, Florida, United States, 2016.
- Poster Presentation, Experimental Biology Conference 2015, Boston, Massachusetts, United States, 2015.

- Poster Presentation, Health Professions Division Research Day, College of Pharmacy, Nova Southeastern University, Fort Lauderdale, Florida, United States, 2014.
- Medication Safety in Saudi Arabia, Makarrem Hall, Riyadh Marriott Hotel, Riyadh, Saudi Arabia, 2008.
- 1st RMH International Pharmacy Conference, Riyadh Military Hospital, Riyadh, Saudi Arabia, 2008.
- Future of Medications in the 21st Century, The 9th International Pharmaceutical Sciences Conference and Exhibition, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia, 2005.

PUBLISHED ABSTRACT

- Alanazi A. Z. and Clark M. A., Angiotensin-III induces Interleukin-6 secretion in vascular smooth muscle cells isolated from SHR and Wistar rats, The FASEB Journal, 2019.
- Alanazi A. Z. and Clark M. A., Effect of Ang III on JNK mitogen activated protein (MAP) kinase in Wistar rat VSMCs, The FASEB Journal, 2016.
- Alanazi A. Z. and Clark M. A., Effect of Angiotensin III on ERK1/2 and p38 mitogen activated protein (MAP) kinases in Wistar rat VSMCs, The FASEB Journal, 2015.
- Alanazi A. Z., Patel P. and Clark M. A., Angiotensin II and angiotensin III induce p38 mitogen activated protein kinase in cultured rat astrocytes, 2014, NSU Florida, Nova Southeastern University.
- Alanazi A. Z. and Clark M. A., Role of Angiotensin III on ERK1/2 and p38 mitogen activated protein (MAP) kinases in Wistar rat VSMCs, 2016, NSU Florida, Nova Southeastern University.

RESEARCH PAPERS

- Mohany, M., **Alanazi, A. Z.**, Alqahtani, F., Belali, O. M., Ahmed, M. M., & Al-Rejaie, S. S. (2020). LCZ696 mitigates diabetic-induced nephropathy through inhibiting oxidative stress, NF- κ B mediated inflammation and glomerulosclerosis in rats. *PeerJ*, 8, e9196.
- **Alanazi, A. Z.**, & Clark, M. A. (2020). Angiotensin III induces p38 Mitogen-activated protein kinase leading to proliferation of vascular smooth muscle cells. *Pharmacological Reports*, 72(1), 246-253.
- **Alanazi, A. Z.**, & Clark, M. A. (2020). Effects of angiotensin III on c-Jun N terminal kinase in Wistar and hypertensive rat vascular smooth muscle cells. *Peptides*, 123, 170204.
- **Alanazi, A. Z.**, & Clark, M. A. (2019). Angiotensin III Induces JAK2/STAT3 Leading to IL-6 Production in Rat Vascular Smooth Muscle Cells. *International journal of molecular sciences*, 20(22), 5551.
- Mohammed, M., Alnafisah, M. S., Anwer, M. K., Fatima, F., Almutairy, B. K., Alshahrani, S. M., **Alanazi, A. Z.**, ... & Al Zahrani, M. (2019). Chitosan surface modified PLGA nanoparticles loaded with brigatinib for the treatment of non-small cell lung cancer. *Journal of Polymer Engineering*, 39(10), 909-916.

- Ahmad, S. F., Ansari, M. A., Nadeem, A., Bakheet, S. A., **Alanazi, A. Z.**, Alsanea, S., ... & Attia, S. M. (2019). The Stat3 inhibitor, S3I-201, downregulates lymphocyte activation markers, chemokine receptors, and inflammatory cytokines in the BTBR T+ Itpr3tf/J mouse model of autism. *Brain research bulletin*, 152, 27-34.
- Imam, F., Al-Harbi, N. O., Al-Harbi, M. M., Qamar, W., Aljerian, K., Belali, O. M., Alsanea, S., **Alanazi, A.Z.** & Alhazzani, K. (2019). Apremilast ameliorates carfilzomib-induced pulmonary inflammation and vascular injuries. *International Immunopharmacology*, 66, 260-266.
- **Alanazi, A. Z.**, Patel, P., & Clark, M. A. (2014). p38 Mitogen-activated protein kinase is stimulated by both angiotensin II and angiotensin III in cultured rat astrocytes. *Journal of Receptors and Signal Transduction*, 34(3), 205-211.

TEACHING COURSES

- **PHCL-211 PharmD Field Training Course**
This Course aims at exposing students to entry-level pharmacy practice through actual working in various pharmacy practice sites.
- **PHCL-311 PharmD Field Training Course**
This Course aims at exposing students to entry-level pharmacy practice through actual working in various pharmacy practice sites.
- **PHL 418 Pharmacology III**
This Course deals with the Pharmacological actions, uses, mechanisms, side effects, precautions contraindications, and drug interactions of those drugs acting on the hemopoietic system, lipids and the coagulation process. It also includes the antiemetic & purgative drugs. A third part of the course deals with antiparasitic, immunomodulators and aphrodisiac drugs.
- **PHL 511: Experimental Pharmacology (Master Degree)**
This course deals with the following: selected in vivo experiments intended to teach and train the student to prepare experimental animals for the demonstration of the established pharmacological actions of standard neurotransmitters, autacoids and some drugs; the various means currently available for the induction of arrhythmias, inflammation and pain disorders by standard drugs. The theoretical part of the course will deal with: a background of the system under study with emphasis on the mechanisms of drugs affecting it; the general procedure to be followed for the preparation of the animal(s) chosen for the study and the experimental protocols to be followed to obtain the desired effects.
- **PHL 513: Advanced Pharmacology II (Master Degree)**
This course deals with: the advanced knowledge in pharmacological aspects and therapeutic applications of drugs acting on the cardiovascular system and kidney; the molecular pharmacology of these drugs and aspects of clinical usefulness, such as contraindications, interactions and adverse reactions.
- **PHL 518 Selected Topic in Pharmacology (Master Degree)**
This course deals with selected recent topics on pharmacology and with training students to search literature, extract information and draw conclusions.

➤ **PHL 521 Clinical Pharmacology and Therapeutics (Master Degree)**

The goal of this course is to discuss the rationale for the choice of certain drugs in the treatment of specified disease states, such as infectious, pediatric, geriatric, eye, rheumatic and gynaecological diseases. More emphasis will be directed towards the mechanism of action, side effects and contra-indications of the chosen drugs.

➤ **PHL 625: Laboratory Rotation-3/ Laboratory Training-3 (Ph.D. Degree)**

In this practical course students will be trained on the laboratory research models established in the department in the area of toxicology and pharmacology. Students under the supervision of faculty member(s) will perform this laboratory research.