



Kingdom of Saudi Arabia
Ministry of Higher Education



College of Pharmacy

Umm Al-Qura University

Name	Dr. Waleed Hassan Almalki
Specialization	Pharmacology
Academic Position	Associate Professor of Pharmacology and Toxicology
Appointm	<ol style="list-style-type: none">1. Vice Dean for Post Graduate Education and Research (2015)2. Director of pharmacy research center (2011-2014)3. Chairman of the Department of Pharmacology (2011- 2013).

Contact Information

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Academic Qualifications

Ph.D in Pharmacology, 2007, University of Glasgow, Glasgow, United Kingdom.

M.Sc. pharmacology, 2001, University of Glasgow, Glasgow, United Kingdom.

Diploma in Pharmacology, 2000, University of Strathclyde, Glasgow, United Kingdom.

B.Sc. in Medical Sciences, 1995, Umm Al-Qura University, Makkah, Kingdom of Saudi Arabia.

Teaching Experience

2010- up to date, Related to all fields of pharmacology

Associate Professor, College of Pharmacy, Umm Al-Qura University, Makkah, Kingdom of Saudi Arabia

Courses Taught and Teaching in UQU

- Pharmacology I (1801341-04)
- Pharmacology II (1801342-3)
- Pharmacology III (1801443-3)
- Clinical pharmacology (1801444-2)
- Basic & Clinical toxicology (1801446-3)
- Approach to pharmacy profession (1801246-1)

Research Interests

- Mapping host-virus networks in HCV disease progression: Target identification for intervention.
- Virus-host system networks mapping in HCV disease.
- HCV replication and immune responses in HIV co-infection.
- Viral host interactions in HCV.
- Natural phenotypic diversity of HCV NS3/4a protease.
- Identification of novel compounds for the treatment of breast and colon cancer.
- Gene expression profiling of hepatic associated diseases.
- Pathogenesis of glaucoma and its molecular kinetics.
- Cancer drug discovery.

Approved Research Grants

A. King Abdul-Aziz City for Science and Technology (KACST-NSTIP Strategic Plan): Approved by the American Association for the Advancement of Science (AAAS), USA.

1. Treatment of breast cancer and/or colon cancer using novel compounds that target multi-tyrosine kinase pathways,

(2,000,000 SR)

2. Comparative study to evaluate the effects of the structural genes of hepatitis C virus 4a and 1a genotype in HCV pathogenesis in Saudi Population, **(2,000,000 SR)**
3. Plants with potential anticancer effects: Phytochemicals, biological and mechanistic studies. Development of the production of active natural compounds *in vitro* and optimization of the biological activity by chemical modifications, **(2,000,000 SR)**.

B. ISR (DSR), UQU Approved Research Grants:

1. Safety and efficacy of zamzam water, selenium, zinc, and manganese **on** streptozocin (STZ)-induced diabetic nephropathy in rats, **(275,000 SR)**
2. Management of Lead-induced cardiovascular effects in rats with metabolic syndrome, **(285,000 SR)**
3. Computer aided drug design and synthesis of hybrid flavin analogs with flexible moieties as potent anti-tumor agents, **(300,000 SR)**
4. Pharmacological evaluation of dates and olive oil in doxorubicin induced cardiac toxicity and cardiac remodeling, **(180,000 SR)**
5. Effect of fluorescein angiography on renal functions among diabetic patient, **(170,000 SR)**
6. Safe anti-inflammatory: design, synthesis and biological evaluation o some novel pyrrolizine derivatives as safe anti-inflammatory agents **(161,600 SR)**.
7. Improving the use of anticoagulants by carrying out interventional studies on ICU/CCU patientS, **(160,000 SR)**

8. The protective and curative effects of 6-shogaol an active constituent isolated from ginger against diabetic nephropathy/cardiomyopathy in obese rats **(400,000 SR)**

Publications

1. Mohammad Shahidullah, Waleed Hassan AlMalki and Nicholas A. Mechanism of aqueous humor secretion, its regulation and relevance to glaucoma. Glaucoma basic and clinical concepts. November 2011.
2. Waleed H. AlMalki (2012): The prevalence of cardiovascular disease and role of protecting measures among hajj pilgrims 1432H. The Pakistan Journal of Pharmacology Vol.29, No.2, July 2012, pp.29-34.
3. Ragia M. Hegazy, and waleed H. AlMalki (2012): Pattern Of Acute Poisoning In Makkah Region Saudi Arabia, 2009 – 2011, The Egyptian journal of community medicine, jan 2012, 30(1):1-25.
4. Ragia M. Hegazy, Waleed H. AlMalki, Hala M.F. Kamel and Sameer H. Fatani (2012): Metabolic Acidosis Vs Transaminases Level In Diagnosis And Predicting Prognosis Of Acetaminophen Poisoning, Int. J Pharm. Bio Sci. 2012 Oct; 3(4): (B) 830 – 839.
5. Ragia M. Hegazy, and Waleed H. AlMalki (2013): Does Smoking Of Diabetic Rat Mothers' In Pre_Pregnancy Period Exert Effects On Fetal Outcome? Int J Pharm Bio Sci 2013 Jan; 4(1): (P) 557 – 57.
6. Waleed Hassan AlMalki, Imran Shahid, Abeer Yousaf Mehdi, Muhammad Hassan Hafeez: Assessment methods of angiogenesis and current approaches for its quantification. Indian Journal of Pharmacology, 2014, 46 (3): 11-16.
7. Abdella Imam Abdella Baragob, Waleed Hassan AlMalki, Imran Shahid, Hanouf Saeed Bafhaid, Fatimah Abdullah Bakhdhar, Salwa Muhamed Khojali, Samia Abdella: Determination of the Stability Studies of the Sudanese Camel Insulin. Pharmacology & Pharmacy, 2013, 4, 549-555.
8. Abdella Emam Abdella Baragob, Waleed Hassan AlMalki, Imran Shahid, Ragia Mahmood Hegazy, Khojali Salwa Muhammed, Samia Abdella: Determination of the Potency of Extracted, Purified and Formulated Insulin from the Pancreatic Organs of the Sudanese Beef Cattle. Pharmacology & Pharmacy, 2013, 4, 467-472.

9. Baragob AE, Almalki WH, Shahid I, Bakhdhar FA, Bafhaid HS, Eldeen OM: The hypoglycaemic effect of the aqueous extract of the fruits of *Balanites aegypticea* in Alloxan-induced diabetic rats. *Pharmacognosy Res.* 2014 Jan; 6 (1): 1-5.
10. Omer MO, Almalki WH, Shahid I, Khuram S, Altaf I, Imran S: Comparative study to evaluate the antiviral efficacy of *Glycyrrhiza glabra* extract and ribavirin against the Newcastle disease virus. *Pharmacognosy Res.* 2014 Jan; 6 (1): 6-11.
11. Shahid I, AlMalki W, Hafeez M, Hassan S. 2014. Hepatitis C virus infection treatment: An era of game changer direct acting antivirals and novel treatment strategies. *Crit Rev Microbiol* 6:1-13.
12. AlMalki W. 2012. HCV infection: an enigma, recent advances and new paradigms for its treatment. *Future virology*, Vol.8, No.4, 381-389.
13. Saud Bawazeer; Waleed AlMalki; Mohammad Abdalla El-Sayed. Study of the optimum ratio of ionophore incorporation in ion-selective electrodes for potentiometric determination of naftidrofuryl and meclophenoxate with its application on measuring degradation kinetics. *Talanta* (2015). Under submission process.
14. Saud S Bawazeer; Waleed H AlMalki; Mohammad Abdalla El-Sayed. Kinetic study of the acid hydrolysis of two eburnane alkaloids based on newly validated high performance liquid chromatographic methods. *JOURNAL OF CHROMATOGRAPHY B* (2015). Under submission process.
15. Mohammad A. El-Sayed, Saud S.Bawazeer, Waleed H.AlMalki. Stability-indicating high performance liquid chromatographic determination of rivastigmine with kinetic study of rivastigmine alkaline degradation, (2015). Under submission process.
16. Noman Anwar, Mohd Aftab Ahmad, Mohd Asif, Mohd Akhtar, Waleed Hasan Almalaki, Sayeed Ahmad. Antimicrobial and Wound Healing Potential of Marham-e-Aatshak (A Herb-o-mineral formulation), (2015). Under submission process.
17. Imran Shahid, Waleed Hassan AlMalki, Shaia Saleh R. AlMalki, Ismail Muhammad AlTurkestany, Hassan Ali AlGhamdi, Saleh Ali AlMenshawi. Inhibition of Hepatitis C virus genotype 1a non-structural proteins by small interference RNA in human hepatome cell lines. *Pharmacology and pharmacy*, 2015, 6, 502-517.
18. Imran Shahid, Waleed Hassan AlMalki, Shaia Saleh R. AlMalki, Muhammad Ahmed.

- Sequence specific siRNA mediated inhibition of NS3 serine protease of hepatitis C virus genotype 1a in human hepatoma cell line. (2015) Under submission process.
19. Imran Shahid, Waleed Hassan AlMalki, Shaia Saleh R. AlMalki, Muhammad Ahmed. Inhibition of Hepatitis C virus genotype 1a replication by synthetic small interference RNA in human hepatoma cell line. (2015) Under submission process.
 20. A.M. Gouda, H.I. Ali, W.H. Almalki, M.A. Azim, M.A.S. Abourehab, A.H. Abdelazeem, Design, synthesis, and biological evaluation of some novel pyrrolizine derivatives as COX inhibitors with anti-inflammatory/analgesic activities and low ulcerogenic liability, *Molecules*. 21 (2016) 1–21. doi:10.3390/molecules21020201.
 21. Naser A. ElSawy, Usama Y. Shaheen, Waheed A. Filimban, Waleed H. El Malki, Eslam A. Headerand Mohamed E. El-Boshy. Antiurolithic and antihypertensive activities of *Origanum vulgare* on urolithic rats. (2015)
 22. H.A. Omar, W.H. Almalki, H. Shamardl, A.Y. Mahdy, H.A. Abd El-Latif, Lipoic acid and coenzyme q10 protect against lead-induced toxicity in rats with metabolic syndrome, *Int. J. Pharmacol.* 12 (2016). doi:10.3923/ijp.2016.146.153.
 23. A.N. Abdalla, W.H. Almaliki, M.H. Mukhtar, F. Anwar, I. Shahid, S.A. Menshawi, et al., Ameliorative Influence of Dietary Dates on Doxorubicin-Induced Cardiac Toxicity, (2016) 343–353.
 24. A. Haseeb, H.S. Faidah, A.R. Bakhsh, W.H. Al Malki, M.E. Elrggal, F. Saleem, et al., Antimicrobial resistance among pilgrims: A retrospective study from two hospitals in Makkah, Saudi Arabia, *Int. J. Infect. Dis.* 47 (2016) 92–94. doi:10.1016/j.ijid.2016.06.006.
 25. S.S. Bawazeer, W.H. Almalki, M.A. El-Sayed, Stability-indicating high performance liquid chromatographic determination of rivastigmine with kinetic study of rivastigmine alkaline Degradation *Anal. Chem. an Indian J.* 13 (2013) 69–76.
 26. Zinc Chloride Protects against Streptozotocin-Induced Diabetic Nephropathy in Rats. Waleed H. Almalki^{1*}, El-Shaimaa A. Arafa², Amal Y. Abdallah¹, Amal M. Mahfoz^{3,4}, Afaf O. Osman^{4,5}, Hekma A. Abd El-Latif⁶, Imran Shahid. *Pharmacology & Pharmacy*, 2016, 7, 331-342

Presentations/Abstracts

1. Aqueous humor formation is inhibited by bradykinin via production of cGMP. Almalki W, Wilson W, Martin W. Ocular Pharmacology Laboratory, Institute of Biomedical and Life Sciences, Glasgow 2007.
2. Poster presented at the 5th International Symposium on **Ocular Pharmacology** for Vision and Eye Research, **Vilamoura, Portugal**, September 24-27, 2005.
3. Waleed H AlMalki, Ahmed M Gouda, Mohamed A Mohamed^{1, 3} and Hamed I Ali, design, Synthesis and biological evaluation of novel pyrrolizine derivatives as safe anti-inflammatory agents, poster presentation, European Pharma Congress, August 25-27, 2015 Valencia, Spain, DOI: 10.4172/2376-0419.S1.006.

Professional affiliations/ Memberships

- Visiting Scientist 2009 -2010 in the University of Glasgow, Institute of biomedical Sciences, Gastrointestinal Pharmacology and Physiology Group.
- Visiting scholar 2007-2009, in the University of Strathclyde institute of pharmacy and Biomedical Sciences.

Workshops/ Seminars Attended

- 2nd International Scientific Meeting of Faculty of Pharmacy, held in Makkah, Saudi Arabia, 3rd April, 2014.
- 1st International scientific meeting of faculty of pharmacy entitled “Emerging Molecular targets in cancer therapy and drug development (from research laboratories to pharmaceutical industries) held in Makkah, Saudi Arabia, 16th-18th March, 2013.

- Medication Safety week held at Ajjad emergency hospital, Makkah, 14-18th May 2011.
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