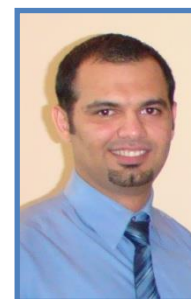


DR OMAR ZIAD AMEER AL-ADHAMI



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ORCID  • Scopus  h-index: 16 • Google scholar  h-index: 21 • ResearchGate 

Assistant Professor | Head of Department of Pharmaceutical Sciences | Accreditation and Quality Assurance Coordinator | Cardiovascular Scientist | Pharmacist

Personal Statement

A motivated and dedicated academic with a real passion for teaching and the ability to professionally develop and grow within a university or research institution. More than 19 years of combined teaching and research experience with an excellent academic track record. Have real passion in teaching and research at the university level within the disciplines of physiology, pharmacology, pathophysiology, toxicology, and herbal medicine.

Education

December 2010–April 2015

Australian School of Advanced Medicine, Macquarie University, Sydney, Australia

- PhD in Advanced Medicine (Majors: Physiology and Pharmacology)
- Thesis: Role of vascular structural alterations in the development and maintenance of hypertension in chronic kidney disease

February 2007–March 2010

School of Pharmaceutical Sciences, Universiti Sains Malaysia, Penang, Malaysia

- Master of Pharmacy (Major: Pharmacology)
- Thesis: Cardiovascular activities of *Loranthus ferrugineus* roxb. methanol extract and its fractions

October 1998–August 2003

College of Pharmacy, University of Baghdad, Baghdad, Iraq

- Bachelor of Pharmacy

Appointments

September 2019-Present

College of Pharmacy, Alfaisal University, Riyadh, kingdom of Saudi Arabia

- Position: Head of the Department of Pharmaceutical Sciences

April 2019-Present

Alfaisal University, Riyadh, kingdom of Saudi Arabia

- Position: Member of Animal Research Subcommittee (IRB) and University Research Council

January 2018- Present

College of Pharmacy, Alfaisal University, Riyadh, kingdom of Saudi Arabia

- Position: Accreditation and Quality Assurance Coordinator

October 2017-Present

College of Pharmacy & Medicine, Alfaisal University, Riyadh, Kingdom of Saudi Arabia

- Position: Assistant Professor of Pharmacology & Physiology

September 2016-September 2017

Department of Pediatrics, Division of Pulmonology, Allergy and Immunology, Department of Pharmacology, School of Medicine, Case Western Reserve University, Cleveland, OH, USA

- Position: Post-doctoral research scientist
- Teaching academic and Postdoctoral Research Fellow (full-time)
- Teaching responsibilities: Delivering lectures and seminars to postgraduate Masters and PhD students and fellow research scientists and assisting with their research training.

Nov 2015–Nov-2016

Department of Pharmacy and Life Sciences, International Medical University, Bukit Jalil, Kuala Lumpur, Malaysia

- Position: Academic staff (Lecturer in Physiology and Pharmacology)

December 2010–April 2015

Australian School of Advanced Medicine, Macquarie University, Sydney, Australia

- Position: Research scholar (PhD student)

November 2014– December 2014

Endoluminal Sciences Pty Ltd, National Innovation Centre, Eveleigh, Sydney, Australia.

- Position: Casual medical researcher (medical devices).

December 2009–August 2010

Department of Pharmacy, Island College of Technology, Penang, Malaysia

- Position: Lecturer in Physiology and Pharmacology

February 2007–March 2010

Department of Physiology and Pharmacology, School of Pharmaceutical Sciences, Universiti Sains Malaysia, Penang, Malaysia

- Position: Teaching fellow and MSc research fellow

August 2003–September 2006

Mohammed Yousif (previously Tarik Al-Hikma) Community Pharmacy, Baghdad, Iraq

- Position: Community and Retail Pharmacist, and Pharmacy Manager

November 2005– November 2006

Department of Pharmaceutical and Medicinal Chemistry, College of Pharmacy, University of Baghdad, Baghdad, Iraq

- Position: Teaching fellow

January 2004–November 2005

Nursing Home Hospital, Baghdad Medical City, Baghdad, Iraq

- Position: Clinical Pharmacist

April 2000–July 2003

Tarik Al-Hikma Pharmacy, Baghdad, Iraq

- Position: Trainee Pharmacist/Pharmacist assistance

Volunteer Activities

May 2015- Feb 2016

- Humanitarian Settlement Services, Mission Australia Wollongong Office, NSW, Australia.
- Australian Red Cross Lifeblood donator (ID: 5648927), NSW, Australia.
- Participation in IMU-care projects: visiting and providing healthcare education to orphans and under privileged kids, various orphanages in Kuala Lumpur, Malaysia.

Professional Memberships

July 2012–present

- The American Society for Pharmacology and Experimental Therapeutics, Maryland, USA

December 2011–present

- The High Blood Pressure Research Council of Australia, Victoria, Australia

October 2007–present

- The American Physiological Society, Maryland, USA

August 2003–present

- The Association of Iraqi Pharmacists, Baghdad, Iraq

Academic Skills

- More than 7 years of combined teaching and learning experience in pharmacology, physiology, anatomy and toxicology and administering practical classes to medical, pharmacy, chiropractic students and Chinese medicine.
- e-Personal Development Portfolio (e-PDP): Central Nervous System; Cardiovascular System; Renal System; Respiratory System; Gastrointestinal System; Male Reproductive; Complementary Medicine; Pharmaceutics; Microbiology for Pharmacists and Research Methodology modules.
- MPharm Program: Involved in teaching and learning activities (Pharmacology and Basic Physiology and Anatomy) in Fundamental Pharmacology; Drug and Disease, Absorption and Fate and Physiology modules.
- Clinical Facilitator and Examiner/ BPharm Program: Objective Structured Clinical Examinations (OSCE) and Practical Skill Development (PSD)
- Instructor and Facilitator / BPharm Program: Lab Practical; Problem-Based Learning (PBL); Computer Aided Learning (CAL); Medical Museum; Case Study; Workshops; Presentations and Seminars and Medical Videos
- Management Responsibilities: Coordinator of basic pharmacology module and toxicology modules for Chinese medicine and chiropractic BSc students.
- Coordinator of Research Project Module, Master of Molecular Medicine Program, School of Postgraduate Studies.
- Professional Involvement: Member of Exam Board Committee, Mentoring, Admission interviewer and Volunteer for Charity Programs

Research Experience

- More than 17 years of extensive pre-clinical research experience including research design, use of advanced technology, data acquisition and analysis, record management, academic publishing, and peer reviewing.

Key competencies

- Keeping up to date with developments in the pharmaceutical and medical field.
- Able to provide quality face to face student-supervisor interaction.
- A thorough understanding of various drugs and how they react in humans and with each other.
- Experience speaker, delivering lectures to university students, departmental seminar and conference presentations at both national and international forums.
- Able to obtain external grants to fund research activities.
- Conference organization.
- Structuring and reviewing academic syllabus.
- Problem-solving and decision making.
- Fast learner, adaptable and reliable.
- Detail and accuracy oriented.
- Strong time management skills and work ethics.
- Able to do clinical work and conduct diverse medical research projects.

Technical Research Skills

- Animal care and handling.
- Anaesthetised rat preparation for blood pressure, electrocardiogram (ECG), Upper airway pressure (UAP) and diaphragmatic EMG recordings and intravenous drug injection.
- Blood flow (renal, carotid, mesenteric and femoral) and tissue perfusion measurement in anaesthetised rat preparation.
- Measurement of renal excretory function including urine output, glomerular filtration rate and urinary and plasma levels of creatinine, urea, electrolytes and proteins.
- Rat salivary glands cannulation and saliva processing for immuno-studies.
- Superior cervical ganglion nerve stimulation electrophysiology.
- Organ bath blood vessel studies *in vitro*.
- Conscious measurement of blood pressure in rats using tail-cuff plethysmography.
- Measurement of aortic ring tensile properties.
- Experience in pulse wave velocity (PWV) measurement *in vivo*.
- Data acquisition: (PowerLab[®], ADInstruments and LabChart software) and (Cambridge Electronic Design[®] Mirco1401 and Power1401 and Spike software, UK).
- Histology, tissue staining and light microscopy.
- Biochemical and phytochemical analyses and enzyme activity assay procedures.
- Moderate protein, DNA and RNA extraction and PCR experience.
- Chromatographic techniques and spectrophotometry.

Research track record

- Published a [book](#) and over 60 peer-reviewed publications with over 20 first authored papers, scored 1314 citations ([Google Scholar](#)) and accumulated 96.96 global impact points ([Research Gate](#)).
- Authored and co-authored over 50 conference presentations, delivered 12 oral and 36 poster presentations in national and international scientific meetings and given 4 invited talks in Germany, the USA, Malaysia and South Korea.
- Secured 1 research grant from Universiti Sains Malaysia (Malaysia), 1 postgraduate university travel grant from Macquarie University (Australia) and 3 conference travel grants (Australia).
- Secured 2 research grants from Alfaisal University (KSA), grant IRG # 18317 & #21313.

Workshops & training courses

1. Course design series: Backward design workshop, held by Faculty Development Unit, Alfaisal University, Riyadh, KSA, 23rd January 2023
2. Elsevier HealthCare and Pharmaceutical Industry product and services, college of pharmacy, Alfaisal University, Riyadh, 21st of November 2022.
3. My Dispense: virtual simulation for teaching pharmacy students across the globe, held by Federation of International Pharmacist (FIP) online on the 2nd of July, 2020.
4. The Pharmacy Education (PharmEd) conference on the 28-29th Nov, 2020. Hosted by College of Pharmacy, Umm Al-Qura University, Mecca, KSA.
5. The 5th Forum of Local Ethics Committee (IRB) & Training Course for members of local committees of research ethics (IRB), King Abdulaziz City for Science & Technology (KACST), Riyadh, KSA, 12th September 2019.
6. Assessment and Evaluation of Health Profession Education Programs (12 training hours). The National Center for Academic Accreditation & Evaluation (NCAAA), Riyadh, KSA, 13rd-14th March, 2019.
7. Effective Teaching and Learning Strategies based on New Trends in Health Profession Education (12 training hours), The National Center for Academic Accreditation & Evaluation (NCAAA), Riyadh, KSA, 3rd-4th March, 2019.
8. Team-Based Learning (TBL) workshop for medical universities, Alfaisal University, Riyadh, October 2017.
9. ACPE and King Saud University international workshop on certification and accreditation of school/college of pharmacy programs outside the United States, Marriott diplomatic quarter, Riyadh, KSA, October 2017.
10. Laboratory Standard Training, Case Western Reserve University, Cleveland, Ohio, United States, January 2017.
11. Animal Hazard Training, Case Western Reserve University, Cleveland, Ohio, United States, January 2016.
12. Biosafety and Blood Borne Pathogen Training, Case Western Reserve University, Cleveland, Ohio, United States, December 2016.
13. The Basic E-learning License workshop on interactive learning & education, Bukit Jalil, International Medical University, Kuala Lumpur, Malaysia, August, 2016.
14. The third workshop on research project management, Bukit Jalil, International Medical University, Kuala Lumpur, Malaysia, July, 2016.
15. Small group learning facilitator training (*PBL, CBL, TBL*) ICE Training Centre, Bukit Jalil, International Medical University, Kuala Lumpur, Malaysia, June 2016.
16. *Postmortem Training in Rats*, Central Animal Facility, Macquarie University, Sydney, Australia, September 2013.
17. The Centenary Colloquium IX on "*Biology and Diseases of the Endothelium*", the Centenary Institute, Royal Prince Alfred Hospital, Sydney, NSW, Australia, March 2012.
18. *Introduction to Animal Ethics Research Course*, University of Sydney, Sydney, Australia, February 2011.
19. *Biosafety Workshop*, Macquarie University, Sydney, Australia, July 2011.

20. *Problem-Based Learning and Computer-Aided Learning Workshop*, University of Malaya, Kuala Lumpur, Malaysia, 7 April 2008.
21. *The 4th Annual Workshop on the Innovative Ways of Teaching Medical/Life Science and Doing Research With PowerLab*, Faculty of Medicine, University of Malaya, Kuala Lumpur, Malaysia, 3 and 4 April 2008.
22. *Scientific Writing and Statistical Techniques Workshop*, the Institute of Graduate Studies (IPS), Universiti Sains Malaysia, Penang, Malaysia, 25 June-6 July 2007.
23. *Chronolog 590-2D Aggregometer Operator's Training by 3S Straits Scientific*, School of Pharmaceutical Sciences, Universiti Sains Malaysia, Penang, Malaysia, 24 July 2007.
24. *Occupational Safety and Health Course for Postgraduate Students*, Occupational Safety and Health Committee, Universiti Sains Malaysia, Penang, Malaysia, 16 June 2007.
25. *Pharmacology and Physiology Practical Refresher Course*, Pharmacology and Physiology Disciplines of the School of Pharmaceutical Sciences, Universiti Sains Malaysia, Penang, Malaysia, 7 June 2007.
26. *Introductory Statistical Course in Pharmaceutical Sciences*, School of Pharmaceutical Sciences, Universiti Sains Malaysia, Penang, Malaysia, 12-13 March 2009.

Awards

1. Paul Dudley White International Scholar Award by the American Heart Association (AHA) for the highest ranked abstract from Saudi Arabia at scientific sessions 2021, Chicago, Illinois, USA.
2. Faculty Award for Research Excellence 2021 by Alfaisal University, Riyadh, kingdom of Saudi Arabia.
3. Macquarie University Deputy Vice-Chancellor's [Commendation for Excellence in Higher Degree Research Award – Medicine \(2015\)](#), Sydney, Australia.
4. The Foundation for High Blood Pressure Research Young Investigator Travel Award presented during the 24th Scientific Meeting of the International Society of Hypertension, Sydney Convention & Exhibition Centre, Sydney, NSW, Australia, 30th September - 4th October (2012).
5. The Postgraduate Research Fund (PGRF) (2012) from the Higher Degree Research office (HDR), Macquarie University, Sydney, NSW, Australia.
6. The Student Travel Grant from the High Blood Pressure Research Council of Australia to attend the Annual Scientific Meeting in Perth, Australia (2011).
7. The Young Scientist Award 2011 awarded by the Korean Pharmacopuncture Institute (KPI) and officially presented during the International Acupuncture and Meridian Study Symposium 2011 in California, USA for the paper entitled "*In vitro* pharmacodynamic profile of *Loranthus ferrugineus*: evidence for noncompetitive antagonism of norepinephrine-induced vascular contraction".
8. International Macquarie University Research Excellence Scholarship (iMQRES) 2010 awarded by Macquarie University, Sydney, NSW, Australia.
9. Biography selected for inclusion in Marquis Who's Who in the World (published in the USA).
10. Received MSc degree in pharmacology from Universiti Sains Malaysia in 2010 and thesis awarded distinction.
11. A co-recipient of Gold Medal (product innovation category) in the 10th *Exhibition on Research Design and Innovation: High Impact R&D-Based Innovation*. Universiti Putra Malaysia, Kuala Lumpur, Malaysia, 20th-22nd July: *Orthosiphon stamineus* Leaf Extract Protects Against Ethanol-Induced Gastropathy in Rats. PAMERAN REKACIPTA PENYELIDIKAN & INOVASI 2010 UPM.
12. A co-recipient of Silver Medal (applied research category) in the 10th *Exhibition on Research Design and Innovation: High Impact R&D-Based Innovation*. Universiti Putra Malaysia, Kuala Lumpur, Malaysia, 20th-22nd July: HPLC and Anti-Inflammatory Studies of the Flavonoid Rich Chloroform Extract Fraction of *Orthosiphon stamineus* Leaves. PAMERAN REKACIPTA PENYELIDIKAN & INOVASI 2010 UPM.
13. A certificate of acknowledgment from the School of Pharmaceutical Sciences, Universiti Sains Malaysia for delivering a presentation entitled "Cardiovascular Activities of *Loranthus ferrugineus* Roxb. Extracts" at the school level (2009).
14. The USM-RU-PGRS Research Grant from the Institute of Graduate Studies, Universiti Sains Malaysia, Penang, Malaysia (2009).

15. The International Acupuncture and Meridian Studies (AMS) Travel Award (2009) awarded by the Korean Pharmacopuncture Institute (KPI) for best article submitted to *Journal of Acupuncture & Meridian Studies* in 2009 for the paper entitled *In vitro cholinomimetic effect of Loranthus ferrugineus in isolated guinea pig ileum*.
16. Universiti Sains Malaysia (USM) fellowship awarded by the Institute of Graduate Studies, USM, Penang, Malaysia from September 2007-June 2009.
17. Appreciation letter from Prof. Tan Sri Dato' Dzulkifli Abd. Razak, Universiti Sains Malaysia vice-chancellor for contribution to the *4th Life Sciences Postgraduate Conference' of the 2nd Universiti Sains Malaysia Penang International Postgraduate Convention 2008*, Penang, Malaysia.
18. Received B.Sc. degree in pharmacy with honors from College of Pharmacy/University of Baghdad in 2003 and ranked 3rd among 345 graduates.

Languages

Arabic and English (both advanced levels).

Computer skills

Microsoft word, Microsoft PowerPoint, Microsoft Excel, Adobe reader, GraphPad Prism, EndNote, Image J and Internet.

Peer reviewing

1. European Journal of Medicinal Plant (published in Italy)
2. Journal of Translational Medicine (published in the UK).
3. Journal of Medicinal Food (published in Korea).
4. Recent patents on CNS Drug Discovery (published in the Netherlands).
5. Journal of Pharmacy and Pharmacology (published in the UK).
6. International Journal of Hypertension (published in the US).
7. Journal of Ethnopharmacology (published in Ireland).
8. European Journal of Pharmacology (published in the Netherlands).

Publications

Books

1. **Ameer, O.Z.** (2011). Characterization of *Loranthus ferrugineus* cardiovascular activities: An ethnopharmacological and phytochemical investigation. LAP Lambert Academic Publishing, Germany, ISBN 978-3-8443-1925-5.

Pubmed indexed publications

Full-length Research papers

1. **Ameer, O.Z.**, (2023). In-vitro pharmaco-equivalence analysis of diclofenac potassium oral film coated tablet relative to marketed generics. *Journal of Pharmacy & Pharmacognosy Research*, 11(4), 585-594.
2. **Ameer, O.Z.**, Release Profile of Branded Atorvastatin Calcium Tablet Relative to Commercially Available Counterpart Generics. *Dissolution technologies*, 30 (3), GC7-GC18 (2023).

3. Salman, I.M., **Ameer, O.Z.**, McMurray, S., Hassan, S.F., Sridhar, A., Lewis, S.J., Hsieh, Y.H. (2023). Differential central integration of left versus right baroreceptor afferent input in hypertension. *J. Hypertens.*, 41(7), 1191-1200.
4. Ouban, A., **Ameer, O.Z.**, Quek, K., Arafah, M.A., Raddaoui, L. Detection of Increased Expression of Claudin-1 in Triple-Negative Breast Cancer: Analysis and Clinical-Pathological Correlation. *Cureus* 15(3): e36648 (2023).
5. Khanfar, M.A., Salman, I.M., **Ameer, O.Z.**, Synthesis and Biological Evaluation of Thiazole-Based Fibroblast Growth Factor Receptor-1 Inhibitors. *Anti-cancer agents in medicinal chemistry* (2022).
6. Salman, I.M., **Ameer, O.Z.**, McMurray, S., Hassan, S.F., Sridhar, A., Lewis, S.J., Hsieh, Y.H. (2022). Low intensity stimulation of aortic baroreceptor afferent fibers as a potential therapeutic alternative for hypertension treatment. *Sci. Rep.*, 12, 1-12.
7. Alwadi, A., A, Ghosoun., A. Mohammed., Maswadeh, H. M., Salman, I.M., **Ameer, OZ.** (2022). Comparative Analysis of Commercially Available Acetaminophen Tablets in Saudi Arabia. *Dissolution Technologies* 29 (3), pp GC1-GC12.
8. **Ameer, O.Z.**, Salman, I.M., Alwadi, A.Y., Ouban, A., Abu-Owaimer, F.M., AlSharari, S.D. and Ishfaq, A.B. (2021). Regional functional and structural abnormalities within the aorta as a potential driver of vascular disease in metabolic syndrome. *Exp. Physiol.*, 6(103), pp. 771-788.
9. Arafah, M.A., Ouban A., **Ameer, O.Z.**, Quek, K.J. (2021). KI-67 LI Expression in Triple-Negative Breast Cancer Patients and Its Significance. *Breast Cancer: Basic and Clinical Research*, 15, 11782234211016977.
10. Salman, I.M., **Ameer, O.Z.**, McMurray, S., Giarola, A.S., Sridhar, A., Lewis, S.J. and Hsieh, Y.H., 2020. Laterality Influences Central Integration of Baroreceptor Afferent Input in Male and Female Sprague Dawley Rats. *Frontiers in Physiology*, 11, p.499.
11. Quek, K. J., **Ameer, O. Z.**, Phillips, J. K. (2020). Amlodipine Improves Vessel Function and Remodeling in the Lewis Polycystic Kidney Rat Mesenteric Artery. *Am. J. Hyp.* 33(7), pp.634-643.
12. Quek, K. J., **Ameer, O. Z.**, Phillips, J. K. (2018). AT1 Receptor Antagonism Improves Structural, Functional and Biomechanical Properties in Resistance Arteries in a Rodent Chronic Kidney Disease Model. *Am. J. Hyp.* 7;31(6):696-705.).
13. **Ameer, O.Z.**, Butlin, M., Kaschina, E., Sommerfeld, M., Avolio, A.P., Phillips, J. K. (2016). Long-term angiotensin II receptor blockade limits hypertension, aortic dysfunction and structural remodelling in a rat model of chronic kidney disease. *J. Vasc. Res.*, 53 (3-4),216-229.
14. Quek, K. J., Boyd.R., **Ameer, O. Z.**, Zangerl, B., Butlin, M., Murphy, T. V., Avolio, A. P., Phillips, J. K. (2016). Progressive vascular remodelling, endothelial dysfunction and stiffness in mesenteric resistance arteries in a rodent model of chronic kidney disease. *Vasc. Pharmacol.* 81(7), 42-52.
15. **Ameer, O.Z.**, Boyd, R., Butlin. M., Avolio. A.P, Phillips, J.K (2015). Abnormalities associated with progressive aortic vascular dysfunction in chronic kidney disease. *Front. Physiol.*, 6, 150.
16. Salman, I. M., Phillips, J.K., **Ameer, O.Z.**, Hildreth, C.M. (2015). Abnormal central control underlies impaired baroreflex control of heart rate and sympathetic nerve activity in female Lewis Polycystic Kidney rats. *J. Hypertens.*, 33(7), 1418-1428.
17. Jeewandara, T.M., **Ameer, O.Z.**, Boyd, R., Wyse, B.F., Underwood, C.F., Phillips, J.K. (2015). Protective cardiorenal effects of spironolactone in a rodent model of polycystic kidney disease. *Clin. Exp. Pharmacol. Physiol.*, 4, 353-60.
18. **Ameer. O.Z.**, Hildreth, C.M., Phillips, J.K. (2014). Sympathetic overactivity prevails over the vascular amplifier phenomena in a chronic kidney disease rat model of hypertension. *Physiol. Rep.*, 11, e12205.
19. **Ameer. O.Z.**, Salman, I.M., Avolio. A.P., Phillips, J.K., Butlin, M., (2014). Opposing changes in thoracic and abdominal aortic biomechanical properties in rodent models of vascular calcification and hypertension. *Am. J. Heart and Circ. Physiol.*, 307, H143–H151.

20. Salman, I.M., Hildreth, C.M., **Ameer, O.Z.**, Phillips, J.K. (2014). Differential contribution of afferent and central pathways to the development of baroreflex dysfunction in chronic kidney disease. *Hypertension*, 63, 804-810.
21. Abdulkarim, M.F., Abdullah, G.Z., Chitneni, M., Yam, M.F., Mahdi, E.S., Salman, I.M., **Ameer, O.Z.**, Sattar, M.A., Basri, M., Noor, A.M. (2012). Study of surface activity of piroxicam at the interface of palm oil esters and various aqueous phases. *Pak. J. Pharm. Sci.*, 25(2), 429-433.
22. Yam, M.F., Por, L.Y., Peh, K.K., Ahmad, M., Asmawi, M.Z., Ang, L.F., Yin, D.B.M., Ong, S.Y., Abdulkarim, M.F., Abdullah, G.Z., Salman, I.M., **Ameer, O.Z.**, Mohamed, E.A.H., Hashim, M.K., Farsi, E., Hor, S.Y. (2011). Development of a stepping force analgesic meter for a rat arthritic model. *Sensors*, 11, 5058-5070.
23. **Ameer, O.Z.**, Salman, I.M., Siddiqui, M.J.A., Yam, M.F., Sriramaneni, R.N., Mohamed, A.J., Sadikun, A., Ismail, Z., Shah, A.M., Asmawi, M.Z. (2010). Pharmacological mechanisms underlying the vascular activities of *Loranthus ferrugineus* Roxb. in rat thoracic aorta. *J. Ethnopharmacol.*, 127(1), 19-25.
24. **Ameer, O.Z.**, Salman, I.M., Najim, H.S., Abdullah, G.Z., Abdulkarim, M.F., Yam, M.F., Sadikun, A., Asmawi, M.Z. (2010). *In vitro* pharmacodynamic profile of *Loranthus ferrugineus*: Evidence for noncompetitive antagonism of norepinephrine-induced vascular contraction. *J. Acupunct. Meridian Stud.*, 3(4), 272-282.
25. Salman, I.M., **Ameer, O.Z.**, Sattar, M.A., Abdullah, N.A., Yam, M.F., Abdullah, G.Z., Abdulkarim, M.F., Khan, M.A.H., Johns, E.J. (2010). Renal sympathetic nervous system hyperactivity in early streptozotocin-induced diabetic kidney disease. *Neurourol. Urodyn.*, 30(3), 438-446.
26. Salman, I.M., **Ameer, O.Z.**, Sattar, M.A., Abdullah, N.A., Yam, M.F., Najim, H.S., Abdulkarim, M.F., Abdullah, G.Z., Kaur, G., Khan, M.A.H., Johns, E.J. (2010). Characterization of renal hemodynamic and structural alterations in rat models of renal impairment: role of renal sympathoexcitation. *J. Nephrol.*, 24(1), 68-77.
27. Salman, I.M., Sattar, M.A., Abdullah, N.A., **Ameer, O.Z.**, Basri, F., Hussain, N.M., Yam, M.F., Anand Swarup, K.R.L., Rathore, H.A., Kazi, R.N., Khan, M.A.H., Johns, E.J. (2010). The role of renal sympathetic nervous system in the control of renal potassium handling. *J. Nephrol.*, 23(3), 291-296.
28. Salman, I.M., **Ameer, O.Z.**, Sattar, M.A., Abdullah, N.A., Yam, M.F., Salman, H.M., Khan, M.A.H., Johns, E.J. (2010). The role of norepinephrine and angiotensin II in the neural control of renal sodium and water handling in spontaneously hypertensive rats. *Indian J. Med. Res.*, 131, 786-792.
29. Salman, I.M., Sattar, M.A., Abdullah, N.A., **Ameer, O.Z.**, Basri, F., Hussain, N.M., Khan, M.A.H., Yam, M.F., Anand Swarup, K.R.L., Rathore, H.A., Kazi, R.N., Salman, H.M., Johns, E.J. (2010). Renal functional and haemodynamic changes following acute unilateral renal denervation in Sprague Dawley rats. *Indian J. Med. Res.*, 131, 32-38.
30. Salman, I.M., **Ameer, O.Z.**, Sattar, M.A., Abdullah, N.A., Yam, M.F., Najim, H.S., Khan, M.A.H., Johns, E.J. (2010). Role of the renal sympathetic nervous system in mediating renal ischemic injury-induced reductions in renal hemodynamic and excretory functions. *Pathology*, 42(3), 259-266.
31. Salman, I.M., Sattar, M.A., Abdullah, N.A., **Ameer, O.Z.**, Kaur, G., Yam, M.F., Khan, M.A.H., Johns, E.J. (2010). Renal ischemic injury affects renal hemodynamics and excretory functions in Sprague Dawley rat: involvement of renal sympathetic tone. *Ren. Fail.*, 32(1), 96-102.
32. Sriramaneni, R.N., **Omar O.Z.**, Ibrahim, S.M., Amirin, S., Mohd Zaini, A. (2010). Vasorelaxant effect of diterpenoid lactones from *Andrographis paniculata* chloroform extract on rat aortic rings. *Pharmacognosy Res.*, 2(4), 242-246.
33. Yam, M.F., Ang, L.F., Lim, C.P., **Ameer, O.Z.**, Salman, I.M., Abdulkarim, M.F., Abdullah, G.Z., Ahmed, M., Mohammed, M.A., Asmawi, O.Z. (2010). Antioxidant and hepatoprotective effects of *Murdannia bracteata* methanol extract. *J. Acupunct. Meridian Stud.*, 3(3), 197-202.
34. Yam, M.F., Lim, V., Salman, I.M., **Ameer, O.Z.**, Ang, L.F., Rosidah, N., Abdulkarim, M.F., Abdullah, G.Z., Basir, R., Sadikun, A. Asmawi, M.Z. (2010). HPLC and anti-inflammatory studies of the flavonoid rich chloroform extract fraction of *Orthosiphon stamineus* leaves. *Molecules*, 15(6), 4452-4466.
35. Abdullah, G.Z., Abdulkarim, M.F., Salman, I.M., **Ameer, O.Z.**, Yam, M.F., Mutee, A.F., Chitneni, M., Mahdi, E.S., Basri, M., Sattar, M.A., Noor, A.M. (2010). *In vitro* permeation and *in vivo* anti-inflammatory and analgesic properties of nano-scaled emulsions containing ibuprofen for topical delivery. *Int. J. Nanomed.*, 6, 387-396.

36. Abdullah, G.Z., Abdulkarim, M.F., Chitneni, M., Mutee, A.F., **Ameer, O.Z.**, Salman, I.M. and Noor, A.M. (2010). Preparation and in vitro evaluation of mebeverine HCl colon-targeted drug delivery system. *Pharm. Dev. Technol.*, 1(4), 404-409.
37. Abdulkarim, M.F., Abdullah, G.Z., Chitneni, M., Salman, I.M., **Ameer, O.Z.**, Yam, M.F., Mahdi, E.S., Abdulsattar, M.Z., Basri, M., Noor, A.M. (2010). Study of topical piroxicam *in vitro* release and *in vivo* anti-inflammatory and analgesic effects from palm oil ester based nano-cream. *Int. J. Nanomed.*, 5, 915-924.
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Review papers

1. **Ameer, O.Z.** (2022). Hypertension in chronic kidney disease: What lies behind the scene. *Frontiers in Pharmacology* 13.
2. **Ameer, O.Z.**, Salman, I.M., Quek K.J., Asmawi, M.Z. (2015). *Loranthus ferrugineus*: a mistletoe from traditional uses to laboratory bench. *J. Pharmacopunct.*, 18, 007-018.
3. **Ameer, O.Z.** Salman, I.M., Asmawi, M.Z., Ibraheem Z.O., Yam, M.F. (2012). *Orthosiphon stamineus*: traditional uses, phytochemistry, pharmacology, and toxicology: a review. *J. Med. Food*, 15 (8), 1-13.

Non-PubMed Indexed Publications

Full-length Research papers

1. Naidu, S.R., Raju P.Y., **Ameer, O.Z.**, Salman, I.M., Sadikun, A., Asmawi, M.Z. (2012). Toxicological Screening of Standardized Chloroform Extract of *Andrographis Paniculata* In Experimental Animals. *J. Innov. Tren. Pharm.Sci*, 3(2), 61-73.
2. Mutee, A.F., Salhimi, S.M., Yam, M.F., Lim, C.P., Abdullah, G.Z., **Ameer, O.Z.**, Abdulkarim, M.F., Asmawi, M.Z. (2010). *In vivo* anti-inflammatory and *in vitro* antioxidant activities of *Peperomia pellucida*. *Int. J. Pharmacol.*, 6(5), 686-690.
3. Abdullah G.Z., Abdulkarim, M.F., Salman, I.M., **Ameer, O.Z.**, Chitneni M., Mahdi, E.S., Yam, M.F., Hameem S., Basri M., Sattar M. A., Noor A. M. (2010). Stability studies of nano-scaled emulsion containing ibuprofen for topical delivery. *International Journal of Drug Delivery*, 3(1), 74-82.
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5. Abdulkarim, M.F., Abdullah, G.Z., Sakeena, M.H.F., Chitneni, M., Mahdi, E.S., Yam, M.F., Salman, I.M., **Ameer, O.Z.**, Basri, M., Sattar, M.A., Noor, A.M. (2010). Study of pseudoternary phase diagram behaviour and the effect of several tweens and spans on palm oil esters characteristics. *International Journal of Drug Delivery*, 3(1), 95-100.
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7. Abdulkarim, M.F., Abdullah, G.Z., Chitneni, M., Mahdi, E.S., Yam, M.F., Mutee, A.F., Salman, I.M., **Ameer, O.Z.**, Sahib, M.N., Abdulsattar, M.Z., Basri, M., Noor, A.M. (2010). Formulation and characterization of palm oil esters based nano-cream for topical delivery of piroxicam. *International Journal of Drug Delivery*, 2(4), 287-298.
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Conference Abstracts Published in Journals

1. **Ameer, O.Z.** & Salman, I.M. (2021). Assessment of the physiological and pathological structural differences along the aorta in a rat model of metabolic syndrome. American Heart Association Scientific Sessions, Boston, MA, USA, 13-15 November. Published in *Circulation* 144 (Suppl_1), A13462. (Poster presentation)
2. Salman, I.M., **Ameer, O.Z.**, McMurray, S., Sridhar, A., Lewis, S., & Hsieh Y. H., (2021). Central integration of left versus right baroreceptor afferent input in female spontaneously hypertensive rats. *J Hyperten*, 39, e250-e251.
3. Salman, I.M., **Ameer, O.Z.**, Hassan, S.F., McMurray, S., Sridhar, A., Hsieh, Y.H. and Lewis, S.J. (2021). Neuromodulation of the renal nerves in spontaneously hypertensive rats. American Heart Association Scientific Sessions, Boston, MA, USA, 13-15 November. Published in *Circulation* 144 (Suppl_1), A12867. (Poster presentation)
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5. Salman, I.M., **Ameer, O.Z.** and Alwadi, A.Y. (2021). Differential expression of vascular dysfunction of smaller diameter arteries in a rodent model of metabolic syndrome. Joint virtual meeting of the European Society of Hypertension and the International Society of Hypertension, 11-14 April. Published in *J. Hypertens.*, 39, e250. (Poster presentation)
6. **Ameer, O.Z.**, Salman, I.M. and Alwadi, A.Y. (2021). *Regional aortic vascular dysfunction in a rodent model of metabolic syndrome*. Joint virtual meeting of the European Society of Hypertension and the International Society of Hypertension, 11-14 April. Published in *J. Hypertens.*, 39, e255. (Poster presentation)
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11. Quek, K.J., Boyd, R., **Ameer, O.Z.**, Butlin, M., Avolio, A.P., Zangerl, B., Murphy, T.V., Phillips, J.K. (2015). Temporal alterations of mesenteric resistance artery function in a rat model of chronic kidney disease-mediated hypertension. Abstract of the 18th Australia and New Zealand Microcirculation Society, 29 April-2 May, Fairmont Resort, Leura, NSW, Australia. Published in *Microcirculation*. (Oral presentation)

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13. Salman, I.M., Hildreth, C.M., **Ameer, O.Z.**, Phillips, J.K. (2015). Differential contribution of afferent and central pathways to the development of baroreflex dysfunction in chronic kidney disease. *The 9th Meeting of the International Society for Autonomic Neuroscience (ISAN 2015) in conjunction with the Federation of European Autonomic Societies (EFAS), American Autonomic Society (AAS) and Japan Society of Neurovegetative Research (JSNR)*. Palazzo dei Congressi di Stresa, Stresa, Italy, 26-29 September. Published in *Auton. Neurosci.*, 192, 40. (Poster presentation)
14. **O. Al-Adhami**, M. Butlin, A. Avolio, J.K. Phillips (2013). Temporal impairment of aortic endothelial and vascular smooth muscle functions in autosomal recessive cystic kidney disease. *J. Hypertens.*, 31, e222. *The 23rd Scientific meeting of the European Society of Hypertension*. Mico Milano Congress, Milan, Italy, 14-17 June. (Poster presentation)
15. **Ameer, O.Z.**, Jeewandara T.M., Wyse B.F., Butlin M., Avolio A.P., Phillips J.K. (2012). In vitro vascular reactivity and response to chronic inhibition of aldosterone in the thoracic aorta of polycystic kidney disease rats. *J. Hypertens.*, 30, e-Supplement 1, Abstract 112. *The 24th Scientific Meeting of the International Society of Hypertension*, Sydney Convention & Exhibition Centre, Sydney, NSW, Australia, 30th September - 4th October. (Poster presentation)
16. Wyse B. F., Jeewandara T.M., **Ameer, O.Z.**, Phillips J.K. (2012). Inhibition of the renin angiotensin aldosterone system and its impact on kidney oxidative stress, renal function and hypertension in polycystic kidney disease. *J. Hypertens.*, 30, e-Supplement 1, e302. *The 24th Scientific Meeting of the International Society of Hypertension*, Sydney Convention & Exhibition Centre, Sydney, NSW, Australia, 30th September - 4th October (Poster presentation).
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18. Jeewandara, T.M., **Ameer, O.Z.**, Wyse, B.F., Phillips, J.K. (2012). The influence of spironolactone on renal function and cardiovascular disease in polycystic kidney disease. *Hypertension*, 60(2), 490. *The 33rd Annual Scientific Meeting of the High Blood Pressure Research Council of Australia*. Perth Convention Exhibition Center, Perth, Western Australia 7-9 December, p. 13. (Oral presentaion)
19. Salman, I.M., **Ameer, O.Z.**, Sattar, M.A., Abdullah, N.A., Yam, M.F., Khan, M.A.H., Johns, E.J. (2010). Sympathetic nervous system interacts with renin-angiotensin system to control renal sodium and water handling in SHR rat. *FASEB J.*, 24, 1050.7. *The Annual Meeting at Experimental Biology*, Anaheim Convention Centre, Anaheim, California, USA, 24-28 April. (Poster presentaion)
20. **Ameer, O.Z.**, Salman, I.M., Sriramaneni, R.N., Sadikun, A., Asmawi, M.Z. (2009). Pharmacological mechanisms underlying the blood pressure lowering activity of *Loranthus ferrugineus* Roxb. *Malaysian Journal of Pharmacy*, 1(7), S23. (Poster presentaion)
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22. Salman, I.M., Sattar, M.A., Abdullah, N.A., **Ameer, O.Z.**, Abdulla, M.H., Rathore, H.A., Anand Swarup, K.R.L., Kazi, R.N., Basri, F., Hussain, N.M. and Johns, E.J. (2008). Acute unilateral sympathetcomy diuresis and natriuresis in renal failure Sprague Dawley rats. *Acta Physiol. Sin.*, 60(1), 401-402. Beijing Joint Conference of Physiological Sciences, Beijing, China, 19-22 October. (Poster presentaion)
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Conference proceedings

1. Alwadi, A.Y., Salman, I.M., **Ameer, O.Z.**, (2020). Segmental aortic dysfunction in a metabolic syndrome rat model. The 11th Annual Research day, Alfaisal University, Riyadh, KSA, 5-6th March. (Poster post-graduate competition/ won 3rd place).
2. Adam D.R. & **Ameer, O.Z.**, (2020). The effectiveness of different study techniques implemented by Medical and Pharm D students on overall students' grades at Alfaisal University. The 11th Annual Research day, Alfaisal University, Riyadh, KSA, 5-6th March. (Poster presentation)
3. Quek, K.J., Boyd, R., **Ameer, O.Z.**, Murphy, T.V., Phillips, J.K. (2014). High blood pressure as a driver of structural and biomechanical changes in mesenteric resistance arteries in chronic kidney disease. Abstract of the 36th Annual High Blood Pressure Research Council of Australia Meeting, 26-28 November, Adelaide, SA, Australia. (Poster presentation)
4. **Ameer, O.Z.**, Hildreth, C.M., Phillips J.K. (2013). Increased sympathetic tone versus vascular amplifier: Which one drives high blood pressure in chronic kidney disease? Central Cardiovascular & Respiratory Control: Future Directions meeting, Neuroscience Research Australia, Sydney, NSW, Australia, 16th-17th September. (Oral presentaion)
5. Yam, M.F., Ang, L.F., Salman, I.M., **Ameer, O.Z.**, Lim, V., Ong, L.M., Ahmad, M., Asmawi, M.Z. (2010). *Orthosiphon stamineus* leaf extract protects against ethanol-induced gastropathy in rats. *The 10th Exhibition on Research Design and Innovation: High Impact R&D-Based Innovation*. Universiti Putra Malaysia, Kuala Lumpur, Malaysia, 20th-22nd July, p. 68. (Poster presentaion)
6. Yam, M.F., Lim, V., Salman, I.M., **Ameer, O.Z.**, Ang, L.F., Rosidah, Abdulkarim, M.F., Abdullah, G.Z., Basir, R., Sadikun, A., Asmawi, M.Z. (2010). HPLC and anti-inflammatory studies of the flavonoid rich chloroform extract fraction of *Orthosiphon stamineus* leaves. *The 10th Exhibition on Research Design and Innovation: High Impact R&D-Based Innovation*. Universiti Putra Malaysia, Kuala Lumpur, Malaysia, 20th-22nd July, p. 68. (Poster presentaion)
7. **Ameer, O.Z.**, Salman, I.M., Abdulla, M.H., Sadikun, A., Asmawi, M.Z. (2009). *In vivo* hypotensive effect of the methanol extract of *Loranthus ferrugineus* Roxb. *The 2nd UNAIR-USM Collaborative Conference*. Universitas Airlangga, Surabaya, Indonesia, 10th-11th February, p. 81. (Oral presentaion)
8. **Ameer, O.Z.**, Salman, I.M., Abdulla, M.H., Sadikun, A., Asmawi, M.Z. (2009). Renal sodium and water handling in cisplatin-induced acute renal failure in Sprague Dawley rats. *The 2nd UNAIR-USM Collaborative Conference*. Universitas Airlangga, Surabaya, Indonesia, 10th-11th February, p. 234. (Poster presentaion)
9. Salman, I.M., Sattar, M.A., Abdullah, N.A., **Ameer, O.Z.**, Abdulla, M.H., Rathore, H.A., Anand Swarup, K.R.L., Kazi, R.N., Basri, F., Hussain, N.M., Johns, E.J. (2009). Study of renal sympathetic nerve activity in acute unilateral renal ischemia-reperfusion injury. *The 2nd UNAIR-USM Collaborative Conference*. Universitas Airlangga, Surabaya, Indonesia, 10th-11th February, p. 189. (Oral presentaion)
10. Salman, I.M., Sattar, M.A., Abdullah, N.A., **Ameer, O.Z.**, Abdulla, M.H., Rathore, H.A., Anand Swarup, K.R.L., Kazi, R.N., Basri, F., Hussain, N.M., Johns, E.J. (2009). Effect of acute unilateral renal denervation on renal functions in Sprague Dawley rats. *The 2nd UNAIR-USM Collaborative Conference*. Universitas Airlangga, Surabaya, Indonesia, 10th-11th February, p. 287. (Poster presentaion)

11. Naidu, S.R., Salman, I.M., **Ameer, O.Z.**, Sadikun, A., Asmawi, M.Z. (2008). Acute and subacute toxicological study of standardized chloroform extract of *Andrographis paniculata* on experimental animals. *The 13th Biological Sciences Graduate Congress*. National University of Singapore, Singapore, 15th-17th December, p. 66. (Poster presentaiton)
12. **Ameer, O.Z.**, Salman, I.M., Abdulla, M.H., Sadikun, A., Asmawi, M.Z. (2008). Vasorelaxant mechanisms of n-butanol fraction of *Loranthus ferrugineus* methanol extract in pre-contracted rat aorta preparations. *The 2nd Penang International Postgraduate Convention*. Universiti Sains Malaysia, Penang, Malaysia, 18th-20th June, p. 560. (Oral presentaiton)
13. **Ameer, O.Z.**, Salman, I.M., Abdulla, M.H., Sadikun, A., Asmawi, M.Z. (2008). The effects of *Loranthus ferrugineus* extracts on vascular reactivity of isolated rat aortic ring preparations. *Program and abstract book of the 2nd Penang International Postgraduate Convention*. Universiti Sains Malaysia, Penang, Malaysia, 18th-20th June, p. 617. (Poster presentaiton)
14. Salman, I.M., Sattar, M.A., Abdullah, N.A., Abdulla, M.H., **Ameer, O.Z.**, Rathore, H.A., Anand Swarup, K.R.L., Kazi, R.N., Basri, F., Hussain, N.M., Johns, E.J. (2008). Study of hemodynamic & renal functional changes following acute unilateral renal sympathectomy in Sprague-Dawley rats. *The 2nd Penang International Postgraduate Convention*. Universiti Sains Malaysia, Penang, Malaysia, 18th-20th June, p. 555. (Oral presentaiton)
15. Salman, I.M., Sattar, M.A., Abdullah, N.A., Abdulla, M.H., **Ameer, O.Z.**, Rathore, H.A., Anand Swarup, K.R.L., Kazi, R.N., Basri, F., Hussain, N.M., Johns, E.J. (2008). Early metabolic changes in response to streptozotocin-induced diabetes in Sprague Dawley rats. *The 2nd Penang International Postgraduate Convention*. Universiti Sains Malaysia, Penang, Malaysia, 18th-20th June, p. 609. (Poster presentaiton)
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