

CURRICULUM VITAE

ABDULAZIZ BIN SAEEDAN; M.S., Ph.D.

Associate Professor of Pharmacology
Department of Pharmacology, College of Pharmacy
Al-Kharj, Kingdom of Saudi Arabia
Mobile: +966 554444118 **Tel:** +966 11 5884210
Email: a.binsaeedan@psau.edu.sa



Professional Qualification

- **Ph. D. (Pharmacology):** University of Bradford (Institute of cancer therapeutics), West Yorkshire, England, July 2015.
Title of Thesis: The role of MMP10 in non-small cell lung cancer, and pharmacological evaluation of its potential as a target for therapeutic intervention
- **M. Sc. (Pharmacology)** (with distinction): University of Bradford (Institute of cancer therapeutics), West Yorkshire, England, December 2010.
Title of Thesis: Evaluation of the in vitro cytotoxicity of a panel of novel vascular targeting agents (VTAs)
- **B. Sc. (Pharmaceutical Sciences):** College of Pharmacy, King Saud University, Saudi Arabia; May 2005.
Title of Final Year Dissertation: Clinical toxicology of cinacalcet HCL

Working Experience

- Associate Professor of Pharmacology, Department of Pharmacology, College of Pharmacy, Prince Sattam bin Abdulaziz University, Saudi Arabia (2019 to Till Date).
- **Assistant Professor of Pharmacology**, Department of Pharmacology, College of Pharmacy, Prince Sattam bin Abdulaziz University, Saudi Arabia (2015 to 2019).
- **Lecturer of Pharmacology**, Department of Pharmacology, College of Pharmacy, Prince Sattam bin Abdulaziz University, Saudi Arabia (2012 to 2015).
- **Demonstrator of Pharmacology**, Department of Pharmacology, College of Pharmacy, Prince Sattam bin Abdulaziz University, Saudi Arabia (2009 to 2012).
- **Hospital Pharmacist**, Riyadh and Al-Kharj Hospital for the Armed Forces Programme, Saudi Arabia (2005 to 2008).

Administrative Positions

- **Dean of Deanship of Graduate Studies**, Prince Sattam bin Abdulaziz University, Saudi Arabia (2018 to Till Date).
- **Supervisor of Deanship of Library Affairs**, Prince Sattam bin Abdulaziz University, Saudi Arabia (2017 to Till Date).
- **Vice Dean of Graduate Studies**, Prince Sattam bin Abdulaziz University, Saudi Arabia (2016 to 2018).
- **Chairman of Standing Committee for Graduate Programs** (2016 to Till Date).

- **Executive Director**, Seventh Strategic Objective (Building effective strategic partnerships), Prince Sattam Bin Abdulaziz University, Saudi Arabia (2019 to date).

Area of Expertise

- Cell culture
- Preparation and identification of nucleic acids.
- Protein isolation and separation by gel filtration.
- Microscopic investigation involving the use of a haemocytometer for cell count and immunohistochemistry.
- Cell breakage, ELISA, immunoassays, spectroscopy, enzyme assays, protein purification, gene cloning, Thin Layer Chromatography and HPLC.
- Western blot analysis, agarose gel electrophoresis, DNA and RNA extraction and spectrophotometry.
- Aseptic technique and bacterial isolation and cultivation.
- NMR, Mass Spectroscopy and Atomic Absorption Spectroscopy.
- Lab animals care, breeding and ability to perform most of the *in-vivo* pharmacological assays.

Member of Committees

- **Chairman, The Standing Committee for Admission and Registration at the Deanship of Graduate Studies**, Prince Sattam bin Abdulaziz University, Saudi Arabia (2020).
- **Member, The Standing Committee for the Development of Postgraduate Programs**, Prince Sattam Bin Abdulaziz University, Kingdom of Saudi Arabia (2020)
- **Member, The supervisory committee for the academic programs emanating from the agreements of the Institute for Research and Consulting Services**, Prince Sattam bin Abdulaziz University, Saudi Arabia (2020).
- **Chairman, The Standing Committee for the Development and Evaluation of Postgraduate Programs**, Prince Sattam Bin Abdulaziz University, Kingdom of Saudi Arabia (2016 to date).
- **Member, The Standing Committee for the participation of faculty members in conferences and symposia**, Prince Sattam bin Abdulaziz University, Saudi Arabia (2017 to date).
- **Chairman, The Translation Committee at the University's Agency for Postgraduate Studies and Scientific Research**, Prince Sattam bin Abdulaziz University, Kingdom of Saudi Arabia (2018 to date).
- **Chairman, Technical Committee of the Deanship of Library Affairs** ,Prince Sattam bin Abdulaziz University, Saudi Arabia (2018 to date).
- **Member, The Standing Committee for Library Affairs**, Prince Sattam bin Abdulaziz University, Saudi Arabia (2018 to date).
- **Member, The Committee of the Scientific Research Ethics**, Prince Sattam bin Abdulaziz University, Saudi Arabia (2018 to date).

- **Chairman, The Financial Committee and Technical Support for Fee-Paid Programs at the Deanship of Graduate Studies**, Prince Sattam bin Abdulaziz University, Saudi Arabia (2019 to date).
- **Chairman, the Admission and Student Affairs Committee for fee-paid programs at the Deanship of Graduate Studies**, Prince Sattam bin Abdulaziz University, Saudi Arabia (2019 to date).
- **Member, the Higher Supervisory Committee for fee-paid graduate programs**, Prince Sattam bin Abdulaziz University, Saudi Arabia (2019 to date).
- **Member, Executive Committee for follow up for the implementation of the strategic plan**, Prince Sattam bin Abdulaziz University, Saudi Arabia (2019 to date).
- **Chairman, the Competent Committee to Review Articles of the Rules Regulating Scientific Societies**, Prince Sattam Bin Abdulaziz University, Saudi Arabia (2019).
- **Chairman, Competent Committee for Review of Postgraduate Studies Regulations**, Prince Sattam Bin Abdulaziz University, Saudi Arabia (2019).
- **Chairman, The Committee of the Academic Review Team**, Prince Sattam Bin Abdulaziz University, Saudi Arabia (2019).
- **Member, Supreme Committee for Follow-up and Implementation of the Memorandum of Cooperation with the Deanship of Graduate Studies and Research at the Ministry of Health**, Prince Sattam bin Abdulaziz University, Saudi Arabia (2019).
- **Member, The Standards Committee for faculty members and administrators in the self-study for the American accreditation**, College of Pharmacy, Prince Sattam bin Abdulaziz University, Saudi Arabia (2018).
- **Member, The Committee of the Website Development of College of Pharmacy**, Prince Sattam bin Abdulaziz University, Saudi Arabia (2018).
- **Member, The Standing Committee for Scholarship and Training**, Prince Sattam bin Abdulaziz University, Saudi Arabia (2018).
- **Chairman, The Committee of Strategy and Ethics of Scientific Research**, College of Pharmacy, Prince Sattam bin Abdulaziz University, Saudi Arabia (2016 to 2017).
- **Member, The Committee of Strategy and Ethics of Scientific Research**, College of Pharmacy, Prince Sattam bin Abdulaziz University, Saudi Arabia (2015 to 2016).
- **Supervisor of the Research Unit**, College of Pharmacy, Prince Sattam bin Abdulaziz University, Saudi Arabia (2015 to 2016).
- **Member, The committee for academic guidance and student rights**, College of Pharmacy, Prince Sattam bin Abdulaziz University, Saudi Arabia (2015 to 2016).
- **Member, The Supervising Committee on Field pharmacist training**, College of Pharmacy, Prince Sattam bin Abdulaziz University, Saudi Arabia (2015 to 2016).
- **Chairman, Laboratory Safety Committee**, College of Pharmacy, Prince Sattam bin Abdulaziz University, Saudi Arabia (2015 to 2016).
- **Member, The Committee of the Academic Review Team**, Prince Sattam bin Abdulaziz University, Saudi Arabia (2016 to 2018).

Member of Councils

- **Chairman of Deanship of Graduate Studies Council**, Prince Sattam bin Abdulaziz University, Saudi Arabia (2017 to Present).
- **Member of Deanship of Scientific Research Council**, Prince Sattam bin Abdulaziz University, Saudi Arabia (2017 to Present).
- **Member of University Council**, Prince Sattam Bin Abdulaziz University (2017 to Present).
- **Member, the College Council**, College of Pharmacy, Prince Sattam Bin Abdulaziz University (2016 to 2017).
- **Member, Pharmacology Department Council**, College of Pharmacy, Prince Sattam Bin Abdulaziz University (2015 to Present).

Conferences, Symposiums, training workshops and training programs

- Attended a webinar on "Achieving Excellence in Pharmacovigilance" conducted by the Dubai International Pharmaceuticals and Technology Conference and Exhibition, United Arab Emirates (June 22, 2020).
- Attended a webinar on "Governance as Current Mandate to Advance Pharmacy" conducted by the Dubai International Pharmaceuticals and Technology Conference and Exhibition, United Arab Emirates (June 21, 2020).
- Attended a webinar on "Health Economics - Innovative Contracting During Financial Constrains Pay for Performance Concept" conducted by the Dubai International Pharmaceuticals and Technology Conference and Exhibition, United Arab Emirates (June 17, 2020).
- Attended a webinar on "Covid-19 Epidemiology" conducted by the Dubai International Pharmaceuticals and Technology Conference and Exhibition, United Arab Emirates (June 15, 2020).
- Attended a webinar on "Effect of the Covid-19 Pandemic on Cancer Treatment", conducted by the Dubai International Pharmaceuticals and Technology Conference and Exhibition, United Arab Emirates (June 11, 2020).
- Attended a webinar on "HIV Continuity of Care during Covid-19", conducted by the Dubai International Pharmaceuticals and Technology Conference and Exhibition, United Arab Emirates (June 10, 2020).
- Attended a webinar "How to prepare your health care Institute for Covid-19" conducted by the Dubai International Pharmaceuticals and Technology Conference and Exhibition, United Arab Emirates (June 7, 2020).
- Attended a webinar on "Management of Patients with Special Cases" conducted by the Dubai International Pharmaceuticals and Technology Conference and Exhibition, United Arab Emirates (June 2, 2020).
- Attended a webinar on "Covid-19: Treatment and Vaccine" conducted by the Dubai International Pharmaceuticals and Technology Conference and Exhibition for Pharmacy and Technology, United Arab Emirates (May 30, 2020).
- Attended the conference "Dubai International Pharmaceuticals and Technology Conference and Exhibition" at the Dubai International Convention and Exhibition Center, United Arab Emirates (February 25-27, 2020).

- Attended a conference “Innovation and Renewal Trends in Libraries” sponsored by the King Abdulaziz Complex for Endowment Libraries, Madinah, Saudi Arabia (September 10-12, 2019).
- Attended a training workshop on “BMJ Journal and BMJ Practice” sponsored by the Training Department of the British Medical Journal, Prince Sattam Bin Abdulaziz University, Kingdom of Saudi Arabia (March 10, 2019).
- Completed the national cognitive and skills performance examinations of the Saudi Heart Association - National CPR Committee as BLS provider (April 26, 2018).
- Attended the workshop “Achieving Excellence in Graduate Education” held by the Academic Leadership Development Center, Ministry of Education, Riyadh, Kingdom of Saudi Arabia (April 22, 2018)
- Attended training course (Nuclear Magnetic Resonance: Theory and Practice), Prince Sattam Bin Abdulaziz University, Al-Kharj, Kingdom of Saudi Arabia (Feb 21-22, 2018).
- Attended the 24th Annual Conference & Exhibition of the Special Libraries Association/ Arabian Gulf chapter on “Big Data and Its Investment Prospect: The way Toward Knowledge Integration” held at Grand Millennium Hotel Muscat by Sultan Qaboos University, Muscat, Oman (March 6-8, 2018).
- Attended the “Dubai International Pharmaceuticals & Technologies Conference & Exhibition” at Dubai International Convention & Exhibition Center, UAE” February 27- March 1, 2018.
- Attended a training program on “ In the field of patents” at Pharmacy college, Prince Sattam Bin Abdulaziz University, Alkharj, Kingdom of Saudi Arabia” April 26, 2017
- Attended a training workshop on “Electronic Exams with blackboard” held by Deanship of Development and Quality, and took place in Prince Sattam Bin Abdulaziz University, Al-Kharj, Kingdom of Saudi Arabia (March 07, 2017).
- Attended a training workshop on “Building Of Electronic Courses” held by Vice Rectorate for Development and Quality, Prince Sattam Bin Abdulaziz University, Al-Kharj, Kingdom of Saudi Arabia (March 16, 2015).
- Attended a training workshop on “External Review For Institution” held by Vice Rectorate for Development and Quality, and took place in Prince Sattam Bin Abdulaziz University, Al-Kharj, Kingdom of Saudi Arabia (February 25, 2015).
- Attended the “Dubai International Pharmaceuticals & Technologies Conference & Exhibition” at Dubai International Convention & Exhibition Center, UAE” March 20-22, 2007.
- Attended the GCC Drug Quality Reporting System Symposium, held by The Executive Board of the Health Ministers’ Council for GCC States in association with Servier, Riyadh (February 26-27, 2007).
- Attended the 9th International Pharmaceutical Sciences Conference & Exhibition on “Future of Medication in The 21st Century” held in the college of pharmacy, King Saud University, Riyadh, Kingdom of Saudi Arabia (December 17-21, 2005).
- Attended Diabetic Educator training program module II (Foundation of Diabetes Education) held at The National Diabetes Center N.D.C, Riyadh, Kingdom of Saudi Arabia (December 3-14, 2005).

- Attended Diabetic Educator training program module I (Nature of Diabetes Mellitus) held at The National Diabetes Center N.D.C, Riyadh, Kingdom of Saudi Arabia (November 19-30, 2005).
- Attended the New Treatment for Type (II) Diabetes Course, held by the Specialized Medical Care (SMC), Riyadh, Kingdom of Saudi Arabia (September 29, 2004).

University and Community Services

- Participated in the forum "Sending male and female teachers visions and aspirations" sponsored by the General Administration of Delegating and Training, Ministry of Education, Riyadh, Kingdom of Saudi Arabia (November 18, 2019).
- Participated in the workshop on "Specialized databases, research and reference services" sponsored by the Deanship of Library Affairs, King Abdulaziz University, Jeddah, Kingdom of Saudi Arabia (November 11-14, 2019).
- Participated in the 13th Annual meeting for Deans of graduate studies in Saudi Universities, held at Abha Palace Hotel by King Khalid University, Abha, Kingdom of Saudi Arabia (April 4, 2018).
- Deliver a lecture on "Antibiotic treatment: necessity and disadvantages" held at Algahekhy Intermediate School, Alkharj, Kingdom of Saudi Arabia" February 21, 2018.
- Supporting the events of the celebration of the International Day of the Arabic Language, held at Prince Sattam bin Abdulaziz University, Saudi Arabia, December 17 - 18, 2017.
- Participated in the 12th Annual meeting for Deans of graduate studies in Saudi Universities, held at Umm al-Qura University, Mecca, Kingdom of Saudi Arabia (December 1, 2016).
- Held a lecture titled "Using Sports Supplements: boundless unlimited damage" at algahekhy intermediate school, Alkharj, Kingdom of Saudi Arabia" March 22, 2017
- Participated in continues education program of the college with a lecture titled " The role of MMP10 in non-small cell lung cancer, and pharmacological evaluation of its potential as a target for therapeutic intervention" at Pharmacy college, Prince Sattam Bin Abdulaziz University, Alkharj, Kingdom of Saudi Arabia" (October 13, 2015)
- Participated in the success of the preparatory year activities (MASARY) during 2014 - 2015
- Participated in the reviewing of health research for the 7th scientific conference in college of pharmacy.
- Supervising the training of Pharmacy College students at King Khalid Hospital and Prince Sultan Center for Health Services, Al-Kharj, Saudi Arabia (2015 - 2017).

Certificates of Appreciation

- For working as acting Dean of Deanship of Libraries, Prince Sattam Bin Abdulaziz University, Saudi Arabia from 2018-2020.
- For participation in the Pharmacy College Council (2016 - 2017).
- For participation in reviewing of health research for the 7th scientific conference in college of pharmacy.

- For supporting, the celebration of the International Day of the Arabic Language held at Prince Sattam bin Abdulaziz University, Saudi Arabia (2016 to 2017).
- For supervision the field pharmacist training (2016 – 2017).
- For supporting the preparatory year activities (Masari), (2014 – 2015).

Research Grant Support

1- Principal Investigator

Title: Effect of some active materials that isolated from shells of marine organisms on inflammation and wound healing in rats (SR 52,000; funded by Deanship of Scientific Research, Prince Sattam Bin Abdulaziz University, Kingdom of Saudi Arabia).

Project Number: 2015/03/5233

2- Co-Investigator

A. International partnership

Title: Assessment of bioactive phytochemicals (from Arab flora and/or used in Arabia) for their anticancer potential: A multidisciplinary approach (SR 150,000; funded by Deanship of Scientific Research, Prince Sattam Bin Abdulaziz University, Kingdom of Saudi Arabia).

Project Number: 2016/03/6564

B. Research groups

Title: The protective effect of some plants with known antidiabetic activity against the deleterious effect of diabetes on male fertility and their possible interaction with the oral hypoglycemic drugs in rats (SR 160,000; funded by Deanship of Scientific Research, Prince Sattam Bin Abdulaziz University, Kingdom of Saudi Arabia).

Project Number: 2018/03/6610

Professional Rating Certificate

Obtained a certificate from the Professional Rating Committee of the Saudi Commission for health specialties for working as a pharmacist in Saudi Arabia.

Courses Taught at Prince Sattam Bin Abdulaziz University

A- At College of Pharmacy

1. Pharmacology- II (PHL 322)
2. Pharmacology - III (PHL 418)
3. Pharmacology- IV (PHL 425)
4. Physiology-1(PHL-215)
5. Physiology-2 (PHL-226)

B- At College of Dentistry

1. DSX-455

Research Publications

1. Saeedan AS, Soliman GA, Abdel-Rahman RF, Abd-Elsalam RM, Ogaly HA, Alharthy KM, Abdel-Kader MS. Possible Synergistic Antidiabetic Effects of Quantified *Artemisia judaica* Extract and Glyburide in Streptozotocin-Induced Diabetic Rats via Restoration of PPAR- α mRNA Expression. **Biology**. 2021; 10(8):796. <https://doi.org/10.3390/biology10080796>
2. Singh L, Bajaj S, Gadewar M, Verma N, Ansari MN, Saeedan AS, Kaithwas G, Singh M. Modulation of Host Immune Response Is an Alternative Strategy to Combat SARS-CoV-2 Pathogenesis. **Front Immunol**. 2021 Jul 8;12:660632. doi: 10.3389/fimmu.2021.660632.
3. Mukerjee S, Saeedan AS, Ansari MN, Singh M. Polyunsaturated Fatty Acids Mediated Regulation of Membrane Biochemistry and Tumor Cell Membrane Integrity. **Membranes** (Basel). 2021;11(7):479. Published 2021 Jun 28. doi:10.3390/membranes11070479
4. Singh L, Singh M, Rastogi S, Choudhary A, Kumar D, Raj R, Ansari MN, Saeedan AS, Kaithwas G. Effect of Voacamine upon inhibition of hypoxia induced fatty acid synthesis in a rat model of methyl-n-nitrosourea induced mammary gland carcinoma. **BMC Mol Cell Biol**. 2021 Jun 5;22(1):33. doi: 10.1186/s12860-021-00371-9.
5. Ansari MN, Saeedan AS, Bajaj S, Singh L. "Evaluation of antidiabetic and hypolipidemic activity of *Barleria cristata* Linn. leaves in alloxan-induced diabetic rats" 3 Biotech volume 11, Article number: 170 (2021).
6. Saeedan AS, Soliman GA, Abdel-Rahman RF, Abd-Elsalam RM, Ogaly HA, Foudah AI, Abdel-Khader MS. "*Artemisia judaica* L. diminishes diabetes-induced reproductive dysfunction in male rats via activation of Nrf2/HO-1-mediated antioxidant responses" Saudi Journal of Biological Sciences, 28(3), 1713- 1722 (2021).
7. Saeedan AS, Rastogi S, Ansari MN. "Roflumilast counteracts DMH-induced preneoplastic colon damage in albino Wistar rats"- Human & Experimental Toxicology, vol. 39 (11): 1545-1555. <https://doi.org/10.1177/0960327120931165>
8. Saeedan AS, Ganaie MA, Jan BL, Madhkali H, Ansari MN, Rehman NU, Rashid S (2020). Brucine Prevents DMH induced Colon Carcinogenesis in Wistar Rats. **International Journal of Pharmacology**, 16(4): 319-329. <https://doi.org/10.3923/ijp.2020.319.329> (Impact Factor 0.692)
9. Yadav RK, Singh M, Roy S, Gautam S, Rawat JK, Singh L, Ansari MN, Saeedan AS, Kaithwas G (2020). Short communication: Evaluation of α -linolenic acid-based intramammary nanosuspension for treatment of subclinical mastitis. **J Dairy Sci**, 103(3): 2701-2706. <https://doi.org/10.3168/jds.2019-16239> (Impact Factor 3.333)
10. Rehman NU, Ansari MN, Ganaie MA, Madkhali HA, Saeedan AS, Imam F, Hamad AM (2020). Cadmium-Induced Hepatotoxicity and Oxidative Stress in Rats: Protection by Roflumilast via NF- κ B and HO-1 pathway. **International Journal of Pharmacology**, 16(2): 154-163. <https://doi.org/10.3923/ijp.2020.154.163> (Impact Factor 0.692)
11. Yadav RK, Tripathi CB, Saraf SA, Ansari MN, Saeedan AS, Aldosary S, Rajinikanth PS, Kaithwas G (2019). Alpha-linolenic acid based nano-suspension protect against lipopolysaccharides induced mastitis by inhibiting NF κ Bp65, HIF-1 α , and

mitochondria-mediated apoptotic pathway in albino Wistar rats. **Toxicology and Applied Pharmacology**, 377: Article 114628. <https://doi.org/10.1016/j.taap.2019.114628> (Impact Factor 3.347)

12. Devi U, Singh M, Roy S, Gupta PS, Ansari MN, Saeedan AS, Kaithwas G. "Activation of prolyl hydroxylase-2 for stabilization of mitochondrial stress along with simultaneous downregulation of HIF-1 α /FASN in ER + breast cancer subtype"- Cell Biochemistry & Function, Volume37; Issue4, June 2019: Pages 216-227, <https://doi-org.sdl.idm.oclc.org/10.1002/cbf.3389>
13. Ganaie MA, Abdulaziz Al Saeedan, Madhkali H, Jan BL, Khatlani T, Sheikh IA, Rehman MU, Wani K. "Chemopreventive efficacy zingerone (4-[4-hydroxy-3-methylphenyl] butan-2-one) in experimental colon carcinogenesis in Wistar rats"- Environmental Toxicology, Volume34, Issue5, May 2019: Pages 610-625, <https://doi-org.sdl.idm.oclc.org/10.1002/tox.22727>
14. Rawat JK, Roy S, Singh M, Guatam S, Yadav RK, Ansari MN, Aldossary SA, Saeedan AS, Kaithwas G. "Transcutaneous Vagus Nerve Stimulation Regulates the Cholinergic Anti-inflammatory Pathway to Counteract 1, 2-Dimethylhydrazine Induced Colon Carcinogenesis in Albino wistar Rats"- Front. Pharmacol., 21 May 2019, <https://doi.org/10.3389/fphar.2019.00353>
15. Soliman GA, Saeedan AS, Abdel-Rahman RF, Ogaly HA. Abd-Elsalam RM, Abdel-Kader MS. "Olive leaves extract attenuates type II diabetes mellitus-induced testicular damage in rats: Molecular and biochemical study"- Saudi Pharmaceutical Journal; Volume 27, Issue 3, March 2019; Pages 326-340, <https://doi.org/10.1016/j.jsps.2018.11.015>
16. Abdel-Kader MS, Soliman GA, Abdel-Rahman RF, Saeedan AS, Abd-Elsalam RM, Ogaly HA. "Effect of olive leaves extract on the antidiabetic effect of glyburide for possible herb-drug interaction"- Saudi Pharmaceutical Journal; Volume 27, Issue 8, December 2019: Pages 1182-1195, <https://doi.org/10.1016/j.jsps.2019.10.001>
17. Abdel-Rahman RF, Soliman GA, Saeedan AS, Ogaly HA, Abd-Elsalam HA, Alqasoumi SI, Abdel-Kader MS. "Molecular and biochemical monitoring of the possible herb-drug interaction between *Momordica charantia* extract and glibenclamide in diabetic rats"- Saudi Pharmaceutical Journal; Volume 27, Issue 6, September 2019: Pages 803-816, <https://doi.org/10.1016/j.jsps.2019.05.002>
18. Devi U, Singh M, Roy S, Tripathi AC, Gupta PS, Saraf SK, Ansari MN, Saeedan AS, Kaithwas G. "PHD-2 activation: a novel strategy to control HIF-1 α and mitochondrial stress to modulate mammary gland pathophysiology in ER+ subtype" Naunyn-Schmiedeberg's Archives of Pharmacology, volume 392: pages1239-1256(2019), <https://doi.org/10.1007/s00210-019-01658-7>
19. Manjari Singh, Sweta Kasna, Subhadeep Roy, Sara Aldosary, Abdulaziz S. Saeedan, Mohd. Nazam Ansari & Gaurav Kaithwas "Repurposing mechanistic insight of PDE-5 inhibitor in cancer chemoprevention through mitochondrial-oxidative stress intervention and blockade of DuCLOX signaling"- BMC Cancer volume 19, Article number: 996 (2019). <https://doi.org/10.1186/s12885-019-6152-9>
20. Abdulaziz S. Bin Saeedan. Drotaverine produce hypoglycaemia and hypolipidemia in STZ/NA induced diabetic rats through inhibition of phosphodiesterase IV enzyme'. **Latin American Journal of Pharmacy**, ARGENTINA, August 2018; 37 (11): [In Press] (Impact Factor 0.401).
21. Eldesoky AH, Abdel-Rahman RF, Ahmed OK, Soliman GA, Saeedan AS, Elzorba HY, Elansary AA, Hattori M. Antioxidant and hepatoprotective potential of

- Plantago major growing in Egypt and its major phenylethanoid glycoside, acteoside. J Food Biochem, USA, August 2018 [https://doi.org/10.1111/jfbc.12567] (**Impact Factor 1.552**).
22. Singh L, Aldosary S, [Saeedan AS](#), Ansari MN, Kaithwas G. Prolyl hydroxylase 2: a promising target to inhibit hypoxia-induced cellular metabolism in cancer cells. **Drug Discovery Today**, ENGLAND, May 2018 (In Press, Corrected Proof) [doi: 10.1016/j.drudis.2018.05.016] (**Impact Factor 6.369**)
 23. [Saeedan AS](#), Singh I, Ansari MN, Singh M, Rawat JK, Devi U, Gautam S, Yadav RK, Kaithwas G. Effect of early natal supplementation of paracetamol on attenuation of exotoxin/endotoxin induced pyrexia and precipitation of autistic like features in albino rats. **Inflammopharmacology**, SWITZERLAND, August 2018; 26(4): 951-961 [DOI: 10.1007/s10787-017-0440-2], (**Impact Factor 3.304**).
 24. Gautam S, Rani S, Aldossary SA, [Saeedan AS](#), Ansari MN, Kaithwas G. Effects of Phenidone (DuCLOX-2/5 inhibitor) against N-Methyl-N-Nitrosourea induced mammary gland carcinoma in Albino rats. **Toxicology and Applied Pharmacology**, USA, July 2018; 351: 57-63 (**Impact Factor 3.616**)
 25. Yadav RK, Rawat JK, Gautam S, Singh M, Kumar M, Ansari MN, Roy S, [Saeedan AS](#), Kaithwas G. Antidiabetic activity of mefloquine via GLP-1 receptor modulation against STZ-NA-induced diabetes in albino Wistar rats. **3 Biotech**, GERMANY, May 2018; 8(5):240 (**Impact Factor 1.497**).
 26. [Al-Saeedan AS](#), Gautam V, Ansari MN, Singh M, Yadav RK, Rawat JK, Devi U, Gautam S, Roy S, Kaithwas G. Revisiting the Systemic Lipopolysaccharide Mediated Neuroinflammation: Appraising the Effect of L-Cysteine Mediated Hydrogen Sulphide on it. **Saudi Pharmaceutical Journal**, NETHERLANDS, May 2018; 26(4): 520-527. [DOI:10.1016/j.jsps.2018.02.004], (**Impact Factor 2.302**)
 27. Gautam S, Rawat AK, Sammi SR, Roy S, Singh M, Devi U, Yadav RK, Singh L, Rawat JK, Ansari MN, [Saeedan AS](#), Kumar D, Pandey R, Kaithwas G. DuCLOX-2/5 Inhibition Attenuates Inflammatory Response and Induces Mitochondrial Apoptosis for Mammary Gland Chemoprevention. **Frontiers in Pharmacology**, SWITZERLAND, April 2018; 9: 314. [https://doi.org/10.3389/fphar.2018.00314] (**Impact Factor 3.831**)
 28. Yadav RK, Singh M, Roy S, Ansari MN, [Saeedan AS](#), Kaithwas G. Modulation of oxidative stress response by flaxseed oil: Role of lipid peroxidation and underlying mechanisms. **Prostaglandins & Other Lipid Mediators**, USA, March 2018; 135: 21-26 (**Impact Factor 2.991**).
 29. Roy S, Singh M, Rawat A, Devi U, Gautam S, Yadav RK, Rawat JK, Ansari MN, [Saeedan AS](#), Kumar D, Kaithwas G. GLA supplementation regulates PHD2 mediated hypoxia and mitochondrial apoptosis in DMBA induced mammary gland carcinoma. **Int J Biochem Cell Biol**, ENGLAND, March 2018; 96: 51-62, (**Impact Factor 3.247**).
 30. Roy S, Rawat AK, Sammi SR, Devi U, Singh M, Gautam S, Yadav RK, Rawat JK, Singh L, Ansari MN, [Saeedan AS](#), Pandey R, Kumar D, Kaithwas G. Alpha-

- linolenic acid stabilizes HIF-1 α and downregulates FASN to promote mitochondrial apoptosis for mammary gland chemoprevention. **Oncotarget**, USA, July 2017; 8(41): 70049-70071 (**Impact Factor 5.168**).
31. Yadav S, Tiwari V, Singh M, Yadav RK, Roy S, Devi U, Gautam S, Rawat JK, Ansari MN, [Saeedan AS](#), Prakash A, Saraf SA, Kaithwas G. Comparative Efficacy of Alpha Linolenic Acid and Gamma Linolenic Acid to attenuate Valproic acid Induced Autism like features. **Journal of Physiology and Biochemistry**, NETHERLANDS, May 2017; 73(2): 187-198 (**Impact Factor 2.736**).
 32. Gautam S, Roy S, Ansari MN, [Saeedan AS](#), Saraf SA, Kaithwas G. DuCLOX-2/5 inhibition: a promising target for cancer 3 chemoprevention. **Breast Cancer**, JAPAN, March 2017; 24(2): 180-190 (**Impact Factor 1.772**).
 33. Devi U, Dubey S, Kumar V, Singh M, Gautam S, Rawat JK, Roy S, Yadav RK, Gupta PS, Ansari MN, [Saeedan AS](#), Kaithwas G. Experimental Models for Autistic Spectrum Disorder-Follow Up For the Validity. **Review Journal of Autism and Developmental Disorders**, GERMANY; December 2016; 3(4): 358-76. (**Impact Factor 1.475**).
 34. [Saeedan AS](#), Gabr GA, Soliman GA, Fayed MH, Ansari MN. The potential anti-inflammatory and wound healing activities of chitosan in rats. **Advances in Bioresearch**, INDIA, November 2016; 7(6): 1-7.
 35. Soliman GA, Gabr GA, Al-Saikhan FI, Ansari MN, Khan TH, Ganaie MA, [Saeedan AS](#), Özgen Alankuş-Çalışkan. Protective effects of two Astragalus species on ulcerative colitis in rats. **Tropical Journal of Pharmaceutical Research**, NIGERIA, October 2016; 15(10): 2155-2163 (**Impact Factor 0.569**).
 36. Maged S. Abdel-Kader, Mubarak T. Alanazi , [Abdulaziz S. Bin Saeedan](#) , Fahad I. Al-Saikhan, Abubaker M. Hamad. Hepatoprotective and nephroprotective activities of Juniperus sabina L. aerial parts. **J Pharm Pharmacogn Res**, CHILE, October 2016; 5(1): 29-39, 2017.
 37. Rani A, Roy S, Singh M, Devi U, Yadav RK, Gautam S, Rawat JK, Ansari MN, [Saeedan AS](#), Prakash A, Kaithwas G. α -Chymotrypsin Regulates Free Fatty Acids and UCHL-1 to Ameliorate N-Methyl Nitrosourea Induced Mammary Gland Carcinoma in Albino Wistar Rats. **Inflammopharmacology**, SWITZERLAND, October 2016; 24(5): 277-286 [Doi:10.1007/s10787-016-0280-5] (**Impact Factor 3.304**).
 38. Tiwari V, Singh M, Rawat JK, Devi U, Yadav RK, Roy S, Gautam S, Saraf SA, Kumar V, Ansari N, [Saeedan AS](#), Kaithwas G. Redefining the role of peripheral LPS as a neuroinflammatory agent and evaluating the role of hydrogen sulphide through metformin intervention. **Inflammopharmacology**, SWITZERLAND, October 2016, 24(5): 253-264 [DOI 10.1007/s10787-016-0274-3] (**Impact Factor 3.304**).
 39. Manral C, Roy S, Singh M, Gautam S, Yadav RK, Rawat JK, Devi U, Ansari MN, [Saeedan AS](#), Kaithwas G. Effect of β -sitosterol against methyl nitrosourea-induced mammary gland carcinoma in albino rats. **BMC Complementary and Alternative**

Medicine, ENGLAND, July 2016; 16(1): 260 [DOI: 10.1186/s12906-016-1243-5] (Impact Factor 2.109).

40. Abdel-Kader MS, Al-Qutaym A, Saeedan AS, Hamad AM, Alkharfy KM. Nephroprotective and hepatoprotective effects of Tribulus terrestris L. growing in Saudi Arabia. **J Pharm Pharmacogn Res**, CHILE, May 2016; 4(4), 144-152, 2016.
41. Mishra RK, Sammi SR, Rawat JK, Roy S, Singh M, Gautam S, Yadav RK, Devi U, Ansari MN, Saeedan AS, Saraf SA, Pandey R, Kaithwas G (). Palonosetron attenuates 1,2-dimethyl hydrazine induced preneoplastic colon damage through downregulating acetylcholinesterase expression and up-regulating synaptic acetylcholine concentration. **RSC Advances**, ENGLAND, 2016; 6(46): 40527-40538 (Impact Factor 2.936).
42. Gabr GA, Soliman GA, Ansari MN, Saeedan AS, Hassan NMM. Ameliorative effect of Rumex pictus extract on paracetamol-induced hepatotoxicity in rats. **Advances in Bioresearch**, INDIA, November 2015; 6(6): 09-15.
43. Gabr GA, Soliman GA, Saeedan AS, Al-Kahtani AA, Ali BE. Teratogenic Effects in Rat Fetuses Subjected to the Concurrent in utero Exposure to Emamectin Benzoate Insecticide. **Pakistan J Biol Sci**, PAKISTAN, October 2015; 18(7): 333-340.

Spoken Languages

- Arabic
- English

Research Area of Interest

- General: All divisions of Pharmacology, including Clinical Pharmacology.
- Specific research field/s:
 - Determination of different toxicological and pharmacological activities of plant extracts,
 - Determination of different toxicological and pharmacological activities of newly synthesized chemicals,
 - Evaluation of the antitumor activity of newly synthesized cytotoxic agents

Skills

- Computer and internet applications, e.g. Microsoft Office and Adobe Photoshop.
- Data analysis and processing using SPSS.
- Formulation and development of international cooperation agreements in the academic and research fields.
- The ability to develop plans and strategies for projects, programs, and community activities.
- Mastery of teamwork and develop team spirit.

(Dr. Abdulaziz Saeedan)