



Faculty Portfolio

Taha Yahya Alqahtani, BPharm, MSc, PhD

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Education:

Year of Graduation	Qualifications (Specializations if any)	University/College, Country
2009	Bachelor's Degree of Pharmacy (BSc.)	King Khalid University, Saudi Arabia
2015	Master of Science in pharmacology (MS.)	MCPHS University, United States
2021	Doctor of Philosophy in Molecular pharmacology (PhD.)	University of Liverpool, United Kingdom

Professional experience:

Year	Positions	University/College, Country
2021	Assistant Professor	King Khalid University, Saudi Arabia
2015	Lecturer	King Khalid University, Saudi Arabia
2009	Teaching Assistant	King Khalid University, Saudi Arabia

Academic/research awards:

Year/Duration of Award	Name of the Award	University/Company, Country
2015	Winner of the best student poster competition	1st Joint NanoWorcester/AVS New England, USA
2015	Active member of Rho Chi Honor Society	USA
2021	Outstanding academic and scientific achievements	Saudi Arabia Cultural Bureau in London
2023	Active member of Sigma Xi	USA
2023	Promising researcher	KKU



Workshops/ Trainings:

Year	Title	University/Company, Country
2020	Continuing Professional Development in Pharmacology	Royal College of Physicians of London
2020	The Roundtable on Sustainable Biomaterials (RSB)	Royal College of Physicians of London
2020	Continuing Professional Development in Pharmacology	Royal College of Physicians of London
2022	academic quality practitioner	NCAAA
2023	Basic Life Support BLS	National CPR Foundation
2022	CRISPR Design, Strategy and Analysis	Oxford University
2023	Benchmarking in quality	KKU
2022	Leadership Skills	KAAU
2023	How to recognize university donors	KKU

WORK EXPERIENCE:

- Chairman of the Pharmacology Department, College of Pharmacy, KKU, 2015.
- Vice Dean of Academic Affairs, College of Pharmacy, KKU, 2015-2017.
- Chair of examinations committee, College of Pharmacy, KKU, 2015-2017, 2022-Present.
- Chair of student's council committee, College of Pharmacy, KKU, 2015-2017.
- Chair of research project course committee, College of Pharmacy, KKU, 2015-2017.
- Chair of the Academic Advisory office, College of Pharmacy, KKU, 2015-2017.
- Member of plans and curriculum committee, College Pharmacy, KKU, 2015-2017, 2021- Present.
- Coordinator of giftedness and creativity unit, College of Pharmacy, KKU, 2021-Present.
- Member of the Academic Advisory office, College of Pharmacy, KKU, 2021-Present.
- Chair of the graduate studies and research Committee, College of Pharmacy, KKU, 2021-Present.
- Member of career day committee College of Pharmacy, KKU, 2022-Present.
- Social Media Coordinator of College of Pharmacy, KKU, 2021-2022.
- Chair of the Student Excuse Committee, Present.
- Chair of the Class Schedules and Exams Committee, College of Pharmacy, KKU, 2022-Present.
- Vice Dean of Educational affairs and Development, College of Pharmacy, KKU, 07/2022-Present.
- Chair of Quality and Development Committee, College of Pharmacy, KKU, 2022-



Present.

- Chair of Quality Assurance Committee, College of Pharmacy, KKU, 2022-Present.
- Chair of Awards Committee, College of Pharmacy, KKU, 2022-Present.
- Chair of Executive Strategic Plan Committee, KKU, 2022-Present.

RESEARCH INTERESTS:

- Molecular Pharmacology
- Cell Signalling
- Drug discovery
- Gene editing

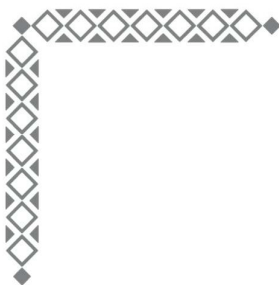
PAPER PRESENTATIONS:

- Participate with two scientific posters at the American Association for Cancer Research (AACR) meeting in Philadelphia, PA in the United States, 2015.
- Participate with a scientific poster at the 1st Joint NanoWorcester/AVS New England Spring Meeting at WPI University, Worcester MA, United States, 2015.
- Participated with a scientific poster in NWCRC at University of Liverpool Annual Scientific Symposium 2018 on 20th April 2018 in Liverpool, UK
- Participated with a scientific poster in NWCRC at University of Liverpool Annual Scientific Symposium 2019 on 15th March 2019 in Liverpool, UK
- Participate with a scientific poster at the 5th International Conference Acute Myeloid Leukemia "Molecular and Translational": Advances in Biology and Treatment in Estoril, Portugal 2019.
- Participate with a scientific poster at the British Pharmacological Society 2020 in Liverpool, United Kingdom.

Research grants:

Year/Duration of Grant	Title of the Project	Awarding Body
1443-1444	Development of Recombinant Nipah Live Attenuated Virus Vaccine candidate using Reverse Genetics Virus Rescue System	150.000 SR
1444-1445	The Role of kinases In Gene Regulation In Acute Myeloid Leukaemia	150.000 SR





Publications:

Research Title	Journal	Year of Publication
Co-delivery of amphotericin B and pentamidine loaded niosomal gel for the treatment of Cutaneous leishmaniasis	Drug Delivery	2023
Enhancing plant-derived smart nano inhibitor in targeting mammalian target of rapamycin (mTOR) in breast cancer using Curcuma longa-derived compound curcumin	Environmental Science and Pollution Research	2023
Synergistic antibacterial and mosquitocidal effect of Passiflora foetida synthesized silver nanoparticles	Brazilian journal of biology	2023
Design, Physical Characterizations, and Biocompatibility of Cationic Solid Lipid Nanoparticles in HCT-116 and 16-HBE Cells: A Preliminary Study	Molecules	2023
Attitudes and knowledge about contraceptive use of saudi married women: a cross-sectional study approach	Bioscience Journal	2023
Public Perception towards Vaccines as Preventive Measures against Twindemic (Seasonal Influenza and COVID-19): A Cross-Sectional Study from Aseer Region, Saudi Arabia	Vaccines	2023
Biodegradable Polymeric Pharmaceutical Nanoemulgel Coloaded with Eucalyptol-Lornoxicam: Fabrication and Characterizations for Possible Better Pain Management	BioMed Research International	2023
5-Fluorouracil-Loaded PLGA Nanoparticles: Formulation, Physicochemical Characterisation, and In Vitro Anti-Cancer Activity	Bioinorganic Chemistry and Applications	2023
Preparation and Characterization of Dummy Template Molecularly Imprinted Polymers Coupled with HPLC for Selective Extraction of Spiked Cloprostenol from Milk Samples	Arabian Journal of Chemistry	2023
An Insight into Codon Pattern Analysis of Autophagy Genes Associated with Virus Infection	Current Pharmaceutical Design	2023
Enhancing the Dissolution of Oral Dasatinib Tablets Using Zein-Hydroxypropyl Methylcellulose Solid Dispersions	IJPRAS	2023
Mitochondrial dysfunction and oxidative stress in Alzheimer's disease, and Parkinson's disease, Huntington's disease and Amyotrophic Lateral Sclerosis-An updated review	Mitochondrion	2023
A theoretical study of the adsorption performance of glycine-conjugated D interacting with methotrexate	Journal of Molecular Liquids	2023
Unveiling Nature's potential: Promising natural compounds in Parkinson's disease management	Parkinsonism & Related Disorders	2023
Triazolopyridine, a leitmotif of synthetic methods and pharmacological attributes: an extensive review	Arabian Journal of Chemistry	2023



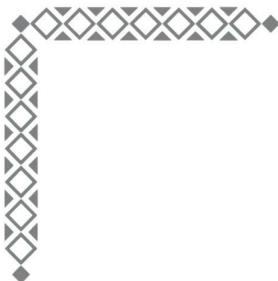
Unravelling the differentially articulated axes of the century-old renin angiotensin aldosterone system: potential therapeutic implications	Cardiovascular Toxicology	2022
Evaluating the Effects of Hypotensive Drug Valsartan on Angiogenesis and Associated Breast Ductal Carcinoma Cell Metastasis	International Journal of Pharmacology	2022
The Unique Carboxymethyl Fenugreek Gum Gel Loaded Itraconazole Self-Emulsifying Nanovesicles for Topical Onychomycosis Treatment	Polymer	2022
Preparation of Acyclovir Controlled-Release Tablets Using Blend of Hydrophilic/Hydrophobic Polymers: An Approach for Better Patient Compliance	LAMP	2022
Emergence of SARS-CoV-2 Omicron (B.1.1.529) variant, salient features, high global health concerns and strategies to counter it amid ongoing COVID-19 pandemic	Environmental Research	2022
Verapamil attenuates oxidative stress and inflammatory responses in cigarette smoke (CS)-induced murine models of acute lung injury and CSE-stimulated RAW 264.7 macrophages via inhibiting the NF-κB pathway	Biomedicine & pharmacotherapy	2022
Renoprotective and in silico Modeling Studies of Febuxostat in Gentamicin Induced Nephrotoxic Rats	International Journal of Pharmacology	2022
GC-MS analysis of Taraxacum officinale flowers and investigation of antimicrobial, anti-pellicle & anti-biofilm activities	Main Group Chemistry	2022
Ameliorative effects of phytomedicines on Alzheimer's patients	current Alzheimer Research	2022
Cardioprotective Effect of <i>Rumex vesicarius</i> Linn. Leaf Extract against Catecholamine-Induced Cardiotoxicity	Molecules	2022
Strong Selectional Forces Fine-Tune CpG Content in Genes Involved in Neurological Disorders as Revealed by Codon Usage Patterns	Frontiers in neuroscience	2022
Molecular Docking Supported Investigation of Antioxidant, Analgesic and Diuretic Effects of Costus speciosus Rhizome	Bulletin of the Chemical Society of Ethiopia	2022
Anti-inflammatory and anti-oxidant properties of Ipomoea nil (Linn.) Roth significantly alleviates cigarette smoke (CS)-induced acute lung injury via possibly inhibiting the NF-κB pathway	Biomedicine & Pharmacotherapy	2022
Pharmacological Validation for the Folklore Use of Ipomoea nil against Asthma: In Vivo and In Vitro Evaluation	Molecules	2022
Pharmacological effects (gastrointestinal, respiratory and vascular) of Calligonum polygonoides: Animal model based studies	Pakistan Journal of Pharmaceutical Sciences	2022
Codon usage is influenced by compositional constraints in genes associated with dementia	Frontiers in Genetics	2022

In Vitro Physical Characterizations and Docking Studies on Carvedilol Nanocrystals	Crystals	2022
Antioxidant and Gastroprotective Activity of Suaeda fruticose Forssk. Ex J.F.Gmel	Molecules	2022
A novel approach for the quantification of paclitaxel loaded in ethyl cellulose/kollicoat and ethylcellulose/eudragit colloidal particles by UPLC-PDA	Pakistan Journal of Pharmaceutical Sciences	2022
A Unifying Perspective in Blunting the Limited Oral Bioavailability of Curcumin: A Succinct Look	Current Drug Metabolism	2022
Rapid oral transmucosal delivery of zaleplon-lavender oil utilizing self-nanoemulsifying lyophilized tablets technology: development, optimization and pharmacokinetic evaluation	Drug Delivery	2022
Silver nanoparticles impregnated in tapioca starch biofilm made using the electrospinning technique: a cutting-edge material for food packaging	Biomass Conversion and Biorefinery	2022
Antibacterial and anti-biofilm activity of plumbagin against multi-drug resistant clinical bacterial isolates	Saudi Medical Journal	2022
Green Synthesis, Characterizations of Zinc Oxide Nanoparticles from Aqueous Leaf Extract of <i>Tridax procumbens</i> Linn. and Assessment of their Anti-Hyperglycemic Activity in Streptozotocin-Induced Diabetic Rats	Materials	2022
ECM Mimicking Biodegradable Nanofibrous Scaffold Enriched with Curcumin/ZnO to Accelerate Diabetic Wound Healing via Multifunctional Bioactivity	International Journal of Nanomedicine	2022
Formulation and Evaluation of Diclofenac Potassium Gel in Sports Injuries with and without Phonophoresis	Gels	2022
Medicinal Plants of Solanum Species: The Promising Sources of Phyto-Insecticidal Compounds	Journal of Tropical Medicine	2022
Genes Common in Primary Immunodeficiencies and Cancer Display Overrepresentation of Codon CTG and Dominant Role of Selection Pressure in Shaping Codon Usage	Biomedicines	2021
Adipose Tissue- and Bone Marrow-Derived Mesenchymal Stem Cells from Sheep: Culture Characteristics	Animals	2021
Human Hair Keratin Composite Scaffold: Characterisation and Biocompatibility Study on NIH 3T3 Fibroblast Cells	Pharmaceuticals	2021
Insight into Codon Utilization Pattern of Tumor Suppressor Gene EPB41L3 from Different Mammalian Species Indicates Dominant Role of Selection Force	Cancers	2021
The physiologic and pathiopathologic roles of perivascular adipose tissue and its interactions with blood vessels and the renin-angiotensin system	Pharmacological Research	2021
An Analysis Based on Molecular Docking and Molecular Dynamics Simulation Study of Bromelain as Anti-SARS-CoV-2 Variants	Frontiers in Pharmacology	2021

Preparation of Soluble Complex of Curcumin for the Potential Antagonistic Effects on Human Colorectal Adenocarcinoma Cells	Pharmaceuticals	2021
The spasmolytic, bronchodilator, and vasodilator activities of Parmotrema perlatum are explained by anti-muscarinic and calcium antagonistic mechanisms	Molecules	2021
Analysis of Codon Usage of Speech Gene FoxP2 among Animals	Biology	2021
Acute Respiratory Distress Syndrome and COVID-19: a literature review	Journal of Inflammation Research	2021
Leucine encoding codon TTG shows an inverse relationship with GC content in genes involved in neurodegeneration with iron accumulation	Journal of Integrative Neuroscience	2021
Comparing heart risk scores to identify the most important risk factors for cardiovascular diseases	Eur Rev Med Pharmacol Sci	2021
Assessment of knowledge and practice of mammography and breast self-examination among the general female population in Asir region of KSA	Eur Rev Med Pharmacol Sci	2021
Superfast Synthesis of Stabilized Silver Nanoparticles using Aqueous Allium sativum (Garlic) Extract and Isoniazid hydrazide conjugates: Molecular Docking and In-vitro Characterizations	Molecules	2021
An overview on therapeutic role of Diferuloylmethane (Curcumin) in Alzheimer's disease and sleep disorders	Main Group Chemistry	2021
Role of Phenolic Compounds in Human Disease: Current Knowledge and Future Prospects	Molecules	2021
Pharmacological Justification for the Medicinal Use of Plumeria rubra Linn. in Cardiovascular Disorders	Molecules	2021

GUEST LECTURES/HONOURS

- Speaker at Pharmacy Career Day , College of Pharmacy, KKU, 2022.
- Speaker at 3rd International Webinar on Cancer Research and Therapy, 2002.
- Attend the annual conference of British Association for Psychopharmacology, London, UK 2022.
- Speaker at the 2nd student forum for health research, College of Medicine, 2022.
- Speaker at the innovative insight on hospital pharmacy practice conference (IHOP), 2022.
- Speaker at Mobaderon Intuitive organized by Vice Presidency for Business and Knowledge Economy, KKU, 2022.



Conference attendance/presentations:

- Attended the British Pharmacological Society conference 2018, London, United Kingdom.
- Course completed and successfully passed on CRISR Genome Editing: Design & Strategy on 20-21 April 2020 at University of Cambridge, United Kingdom.
- Attended the SOPA/ISOPP hybrid Regional Conference, 2011, Riyadh, KSA.
- Participated with innovation at the health innovation Hackathon and the innovative exhibition at King Saud University for health sciences, 2002.
- Supervisor of Pharmacist got talent exhibition, College of Pharmacy, KKU 2022.
- Chairperson of workshop during KKU EXPO 2023.
- Attend a workshop on scientific research publishing organized by Vice Presidency for Business and Knowledge Economy, KKU, 2022.

