

CURRICULUM VITAE

NAME: SHAHZAD KHAN

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MOBILE: +966-530202446.

SEX: Male

NATIONALITY: Pakistani

ACADEMIC QUALIFICATION

Ph.D. (Pathology and Pathophysiology) 2018 from Wuhan University. China

Thesis: *Wogonin attenuates diabetic cardiomyopathy through its anti-inflammatory and anti-oxidative properties*

Master. (Internal Medicine (Cardiology)) 2010 from Wuhan University. China

Thesis: *Role of antihypertensive drug classes in prevention of stroke in patients with prior stroke*

MBBS (Bachelor of Medicine and Bachelor of Surgery) 2002 from Dow Medical College, Karachi. Pakistan

MEDICAL EDUCATION EXPERIENCE

Assistant Professor. (Physiology) at King Faisal University, Al-Ahsa, Saudi Arabia. from **January 2022 – till date**

Lecturer (Medicine and allied subjects) at Jiang Han University (for foreign students), Wuhan, China. from **1st September 2019 – January 2023**

Lecturer (Medicine and allied subjects) at Wuhan University School of Medicine (for foreign students), Wuhan, China. from **1st September 2010 - July 2019**

CLINICAL EXPERIENCE

Post graduate clinical studentship at Zhong Nan Hospital – Department of Cardiology. Wuhan. China from **1st September 2007 to 30th June 2010**

Duties: Diagnose, manage and treat the patients admitted in cardiology ward

Resident Medical Officer (RMO) at Chiniot General Hospital, Karachi, Pakistan from 04 July 2005 to 23 May 2006

Duties: Diagnose and manage the patients admitted in Medical Ward. Attend Emergency Ward calls. Duties at Intensive Care Unit (ICU)

Medical Officer (MO) at Aga Khan Hospital, Karachi (Pakistan), Pakistan from 1 May 2005 to 30 June 2005

Duties: Admit manage patients, supervise interns and conduct out patients' clinics (Pulmonology and General Medicine). Attend Emergency Ward calls

Medical Officer (MO) at Al Amin Medical Center, Karachi (Pakistan), from 1st January 2004 to 31 March 2005

Duties: Diagnose and treat patients in Outpatient Department (OPD) as a General Practitioner (GP)

Medical Officer (MO) at Medical Unit 5 – Civil Hospital Karachi- Pakistan, from 1st April 2003 to 30 September 2003

Duties: Manage the patients admitted in Medical Ward. Attend Emergency Ward calls. Attend Intensive Care Unit (ICU)

Medical Officer (MO) at Surgical Unit 4 – Civil Hospital Karachi- Pakistan, from 1st October 2002 to 31 March 2003

Duties: Manage the patients admitted in Surgical Ward. Attend Emergency Ward calls. Attend Intensive Care Unit (ICU) - Assist Head surgeon during surgery in operation theatre.

PROFESSIONAL MEMBERSHIPS

- Member of Pakistan Medical Commission (**PMC**) Registration number: **43563-S**

ACADEMIC LINKS

<https://www.scopus.com/authid/detail.uri?authorId=55966962000>

BOOK PUBLICATIONS:

“MASTER VISUAL DIAGNOSIS OF ECG, A SHORT ATLAS”

- (Published by Jay Pee publisher, India) ISBN: 978-93-5090-489-3
- In this book I have explained how to diagnose ECG and understand who specific conditions present with specific ECG findings mainly for medical students and postgraduates;
- DOI: 10.13140/2.1.1627.9048
- Edition: 1st, Publisher: JP Medical Ltd, 2013, ISBN: 9789350904893
http://www.jaypeebrothers.com/pgDetails.aspx?cat=s&book_id=9789350904893
<http://www.amazon.com/Master-Visual-Diagnosis-ECG-Through/dp/9350904896>

PAPERS PUBLICATIONS:

- 1) **Insilico targeting of virus entry facilitator NRP1 to block SARS-CoV2 entry**
Accepted. PLOS ONE
- 2) **Navigating the Alzheimer's Treatment Landscape: Unraveling Amyloid-Beta Complexities and Pioneering Precision Medicine Approaches.** Patwekar M, Patwekar F, Khan S, Sharma R, Kumar D. Navigating the Alzheimer's Treatment Landscape: Unraveling Amyloid-Beta Complexities and Pioneering Precision Medicine Approaches. Current Topics in Medicinal Chemistry. 2024 Apr. DOI: 10.2174/0115680266295495240415114919. PMID: 38644708.
<https://doi.org/10.2174/0115680266295495240415114919>
[Navigating the Alzheimer's Treatment Landscape: Unraveling Amyloid-Beta Complexities and Pioneering Precision Medicine Approaches | Bentham Science \(eurekaselect.com\)](https://www.eurekaselect.com/doi/10.2174/0115680266295495240415114919)
- 3) **Development, Evaluation, and in vitro Anti-Acne Activity of Tretinoin Nanocrystals Gel**
Shinu, P., Sharma, A., Nair, A. B., Kumar, M., Khan, S., Al Mouslem, A. K., ... & Kumari, B. (2023). Development, Evaluation, and in vitro Anti-Acne Activity of Tretinoin Nanocrystals Gel. Ind. J. Pharm. Edu. Res, 57(4), 1012-1020.
Published on: September 2023, Indian Journal of Pharmaceutical Education and Research, 2023; 57(4):1012-1020, Original Article | doi:10.5530/ijper.57.4.114
<https://www.ijper.org/article/2093>
- 4) **Formulation and Optimization of Aripiprazole-Loaded Nanostructured Lipid Carriers for Nose-to-Brain Delivery**
Layla Albaqshi^{1,*}, Amanjot Singh², Shahzad Khan³, Manish Kumar⁴, Jagpreet Kour⁵, Shinu Pottathil³, Bandar Aldhubiab¹, Abhishek Tiwari⁶, Anroop B Nair¹, Indian Journal of Pharmaceutical Education and Research, Vol 58, Issue 2, Apr-Jun, 2024
https://www.researchgate.net/profile/Manish-Kumar-180/publication/378157291_Formulation_and_Optimization_of_Aripiprazole-Loaded_Nanostructured_Lipid_Carriers_for_Nose-to-Brain_Delivery/links/65cb360134bbff5ba70c34a7/Formulation-and-Optimization-of-Aripiprazole-Loaded-Nanostructured-Lipid-Carriers-for-Nose-to-Brain-Delivery.pdf
- 5) **Impact of corporate characteristics on voluntary disclosure: a managerial insight**
Masum, M. H., Latiff, A. R. A., Osman, M. N. H., Sarkar, J. B., Rahman, M. M., & Khan, S. (2023). Impact of corporate characteristics on voluntary disclosure: a managerial insight. Polish Journal of Management Studies, 28.
<https://pjms.zim.pcz.pl/resources/html/article/details?id=617123&language=en>
- 6) **Interleukin 6 Antagonists in Severe COVID-19 Disease: Cardiovascular and Respiratory Outcomes.**
Khan S. Interleukin 6 Antagonists in Severe COVID-19 Disease: Cardiovascular and Respiratory Outcomes. Protein Pept Lett. 2024 Feb . doi:10.2174/0109298665266730240118054023. PMID: 38375841. Volume 31 , Issues 11, 2024
[Interleukin 6 Antagonists in Severe COVID-19 Disease: Cardiovascular and Respiratory Outcomes - PubMed \(nih.gov\)](https://pubmed.ncbi.nlm.nih.gov/38375841/)

- 7) **Advancing vector-borne disease prediction through functional classifier integration: A novel approach for enhanced modeling, Machine learning tools and vector-borne disease prediction**
Tito, M. H., Jannat, M. H. E. ., Aktar, M. T. ., Saha, B. ., Das, P. ., Kawser, M. ., Hossain, M. A. ., Islam, M. N. ., Chohan, M. S., & Khan, S. . (2024). Advancing vector-borne disease prediction through functional classifier integration: A novel approach for enhanced modeling: Machine learning tools and vector-borne disease prediction. *Letters In Animal Biology*, 4(1), 17–22.
<https://doi.org/10.62310/liab.v4i1.135> , <https://liabjournal.com/index.php/liab/article/view/135>

- 8) **Adenosine 2 receptor regulates autophagy and apoptosis to alleviate ischemia reperfusion injury in type 2 diabetes via IRE-1 signaling.**Yacouba Moukeila MB, Thokerunga E, He F, Bongolo CC, Xia Y, Wang F, Gado AF, Mamoudou H, **Khan S**, Ousseina B, Ousmane HA, Diarra D, Ke J, Zhang Z, Wang Y. *BMC Cardiovasc Disord*. 2023 Mar 24;23(1):154. doi: 10.1186/s12872-023-03116-y. PMID: 36964482; PMCID: PMC10039586.
<https://pubmed.ncbi.nlm.nih.gov/36964482/>

- 9) **Pharmacological Features of 18 β -Glycyrrhetic Acid: A Pentacyclic Triterpenoid of Therapeutic Potential**, Shinu P, Gupta GL, Sharma M, Khan S, Goyal M, Nair AB, Kumar M, Soliman WE, Rahman A, Attimarad M, Venugopala KN, Altaweel AAA. *Plants*. 2023; 12(5):1086.
<https://doi.org/10.3390/plants12051086>

- 10) **Membranous nephropathy complicated with acquired haemophilia. Presentation of a rare medical condition.** Ali, I., Yingying, W., Liu, S., & Khan, S. (2022, March 9). *European Journal of Pharmaceutical and Medical Research*. EJPMR. Retrieved April 2, 2022, from
https://www.ejpmr.com/home/abstract_id/9535

- 11) **Wogonin and alleviation of hyperglycaemia via inhibition of DAG mediated PKC expression. A brief insight. Protein & Peptide Letters (PPL),**
Khan, S. (2021). Wogonin and Alleviation of Hyperglycaemia via Inhibition of DAG Mediated PKC Expression. *A Brief Insight. Protein and Peptide Letters*, 28(12), 1365-1371.
<https://pubmed.ncbi.nlm.nih.gov/34711151/>

- 12) **Role of Cardiac Biomarkers in COVID-19: What Recent Investigations Tell Us**
Khan S, Rasool ST, Ahmed SI. *Role of Cardiac Biomarkers in COVID-19: What Recent Investigations Tell Us?*. *Current Problems in Cardiology*. 2021 Mar 19:100842.
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7977033/>

- 13) **Cardiac Biomarkers in Stroke, Alzheimer's Disease, and Other Dementia. Are They of Use? A Brief Overview of Data from Recent Investigations.** *CNS Neurol Disord Drug Targets*. 2020 Oct 5.
Khan S, Kamal MA. doi: 10.2174/1871527319666201005171003. PMID: 33023461.
<https://pubmed.ncbi.nlm.nih.gov/33023461/>

- 14) **Coagulopathy and Plausible Benefits of Anticoagulation Among COVID-19 Patients.** *Current Problems in Cardiology* Volume 45, Issue 9, September 2020, 100648.
<https://doi.org/10.1016/j.cpcardiol.2020.100648>
<https://www.sciencedirect.com/science/article/pii/S0146280620301250>

- 15) **Current use of cardiac biomarkers in various heart conditions.** Khan S, Rasool ST. *Endocr Metab Immune Disord Drug Targets*. 2020 Aug 31. doi: 10.2174/1871530320999200831171748. PMID: 32867665. <https://pubmed.ncbi.nlm.nih.gov/32867665/>

- 16) **Diabetic Cardiomyopathy: From Mechanism to Management in a Nutshell.** *Endocr Metab Immune Disord Drug Targets*. 2020 Jul 31. <https://pubmed.ncbi.nlm.nih.gov/32735531/>

- 17) **The structure and function of α , β and γ -Secretase as therapeutic target enzymes into the development of Alzheimer's disease: A review.** *CNS Neurol Disord Drug Targets*. 2019 Oct 11. doi: 10.2174/1871527318666191011145941, Ahmad SS, Khan S, Kamal MA, Wasi U
<https://www.ncbi.nlm.nih.gov/pubmed/31608840/>

- 18) **What is Blockchain Technology and its Significance in the Current Healthcare System? A brief Insight.**
[Curr Pharm Des.](https://www.ncbi.nlm.nih.gov/pubmed/31258067) 2019 Jun 20. doi: 10.2174/1381612825666190620150302,
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- 19) **Can Wogonin be Used in Controlling Diabetic Cardiomyopathy?** Khan S, Kamal MA. *Current Pharmaceutical Design, Pharm Des.* 2019 Jul 8. doi: 10.2174/1381612825666190708173108
<https://www.ncbi.nlm.nih.gov/pubmed/31298148>
- 20) **Wogonin alleviates hyperglycemia through increased glucose entry into cells via AKT/GLUT4 pathway.**
Khan S, Kamal MA. *Current Pharmaceutical Design, Pharm Des.* 2019 Jul 22,
doi: 10.2174/1381612825666190722115410.
<https://www.ncbi.nlm.nih.gov/pubmed/31333118>
- 21) **Wogonin attenuates diabetic cardiomyopathy through its anti-inflammatory and anti-oxidative properties**
Khan, Shahzad, et al. *Molecular and Cellular Endocrinology* (2016)- Volume 428, 15 June 2016, Pages 101-108 <https://www.ncbi.nlm.nih.gov/pubmed/27013352>
- 22) **PKC δ -dependent Activation of the Ubiquitin Proteasome System is Responsible for High Glucose-induced Human Breast Cancer MCF-7 Cell Proliferation, Migration and Invasion,** Zhu S, Yao F, Li WH, Wan JN, Zhang YM, Tang Z, Khan S, Wang CH, Sun SR. *Asian Pac J Cancer Prev.* 2013;14(10):5687-92. <http://www.ncbi.nlm.nih.gov/pubmed/24289563>
- 23) **"Alzheimer's disease and Autistic Spectrum Disorder: Is there any Association?"** by Sarah A. Khan, Shahida A. Khan, A.R. Narendra, Gohar Mushtaq, Solafa A. Zahran, Shahzad Khan and Mohammad A. Kamal, *CNS & Neurological Disorders - Drug Targets, CNS & Neurological Disorders - Drug Targets, Volume 15, Number 4, 2016, pp. 390-402(13)*
<https://www.ncbi.nlm.nih.gov/pubmed/26996178>
- 24) **ER stress in adipocytes and insulin resistance: mechanisms and significance (Review),** MMR-DOI: 10.3892/mmr.2014.2532 ; September 3, 2014 <https://doi.org/10.3892/mmr.2014.2532>
Pages: 2234-2240 <http://www.ncbi.nlm.nih.gov/pubmed/25189738>
- 25) **Kingdom of Saudi Arabia: A potential destination for medical tourism,** *Journal of Taibah University Medical Sciences, JTUMED; Volume 9, Issue 4, December 2014, Pages 257-262*
<http://www.sciencedirect.com/science/article/pii/S165836121400050X>
- 26) **Relationship of Adipose Tissue ER Stress in Obesity with Insulin Resistance,**
Dr. Shahzad Khan, Dr. Chang Hua Wang, Dr. Muhammad Qadar. *Gene Therapy and Molecular Biology Vol 15, page 52, Gene Ther Mol Biol Vol , 52-60, 2013,*
http://www.gtmb.org/volumes/Vol15/6.Khan_et_al_52-60.pdf
- 27) **Role Of Antihypertensive Drug Classes In Prevention Of Stroke In Patients With Prior Stroke, International Journal of Basic and Clinical Research** Vol.1Issue: 1 ,2011,Page 9-12
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- 28) **Health Care Systems and Resources Generation - Khan S (2015), Few Reflections from Some Western Countries.** *Gen Med (Los Angel) S2: S2-001.* doi:10.4172/2327-5146.1000S2-001
<http://www.esciencecentral.org/journals/health-care-systems-and-resources-generation--few-reflections-from-somewestern-countries-2327-5146-1000S2-001.php?aid=62300>
- 29) **Central Chest Pain Among Chinese Patients Presenting in the Emergency Room: An Analytical Study,** *International Journal of Basic and Clinical Research*
Vol.1Issue: 1

<http://www.intjbcr.com/resources/files/01-01 -01%20Dr%20Tabish-2.pdf>

- 30) **Health care systems, resources generation and utilization in selected western countries:** Khan Shahzad; Rahmathullah, Medica Innovatica; Jun2014, Vol. 3 Issue 1, p156,2014
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CONFERENCES

- 1) **Predicting Brucellosis Outbreaks in Dairy Cattle Using Deep Learning Techniques**
8th IET SMART CITIES SYMPOSIUM, 1-3 December 2024, UNIVERSITY OF BAHRAIN
- 2) **Deep Learning for Prediction of Cardiovascular Disease** to 2024 ASU International Conference in Emerging Technologies for Sustainability and Intelligent Systems (ICETIS).
- 3) **KSAPT meeting, Saudi Arabia, 2022.** Research Poster Competition - Track 2
Poster Title: “**Observed Trends OF COVID-19 Vaccine Use Across The Globe in the Recent Past**”
- 4) **Obesity, adipose tissue and Insulin resistance, an alarming triad** (45th APACPH Conference, China)2013
https://www.researchgate.net/profile/Shahzad_Khan19/publication/267210576_Obesity_Adipose_Tissue_and_Insulin_Resistance_an_Alarming_Triad_ID229/links/5447be170cf22b3c14e12b43/Obesity-Adipose-Tissue-and-Insulin-Resistance-an-Alarming-Triad-ID229
- 5) **Glomerular filtration and the prevalence of atrial fibrillation recurrence after pulmonary vein isolation.** 21stScientificSessionoftheSaudiHeart, (doi:10.1016/j.jsha.2010.02.326)
- 6) **Generator exchange of implantable cardiac device and patients’ restrictions over driving: A cohort study.** (doi:10.1016/j.jsha.2010.02.328)
- 7) **Anti-coagulation safety window among elderly Chinese patients with atrial fibrillation catheter ablation.** 21stScientificSessionoftheSaudiHeart, (doi:10.1016/j.jsha.2010.02.325)
[http://www.journalofthesaudiheart.com/article/S1016-7315\(10\)00367-2/pdf](http://www.journalofthesaudiheart.com/article/S1016-7315(10)00367-2/pdf)