



**Dr. Farhan R. Khan**  
M.Pharm , PhD  
(Pharmaceutical Chemistry)  
Teaching Professional & Researcher

## CONTACT

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## OBJECTIVE

To utilize my skills and abilities, where I can contribute to the organizational goals, growth, and strength there by simultaneously acquire new skills in the service of mankind.

## Educational Qualification

1. **PhD** (Pharmaceutical Chemistry) awarded from, SGB Amravati University, Amravati, Maharashtra, India. 2021.
2. **M.Pharm** (First Division) in Pharmaceutical Chemistry from RTM Nagpur University, Nagpur, Maharashtra, India. 2009.
3. **B.Pharm** (First Division) from SGB Amravati University ,Amravati, Maharashtra, India. 2005.

## Research Interest

- My expertise is in pharmaceutical chemistry, pharmacology, and pharmacodynamics in drug design, the synthesis of novel derivatives, their structural activity relationship (SAR), and pharmacological evaluation.
- My research focuses on drug discovery, drug design, synthesis and for various diseases using different pharmacological modules in vitro and in vivo.
- My research work is on the synthesis and pharmacological evaluation of different novel benzimidazole derivatives as antiulcer, H<sup>+</sup> K<sup>+</sup> ATPase inhibitors, analgesics, anti-inflammatory agents, and

## Skill Highlights

- **Drug Discovery:** Drug design and synthesis using reaction scheme, Phytochemical extraction of plant (Soxhlet, Chromatography), Preparation of metallic nanoparticles, Small organic molecules.
- **Instruments:** UV-Visible Spectroscopy, ELISA reader, Florescence Microscope, Scanning Electron Microscope, Soxhlet, Rota evaporator, TLC, Column chromatography, HPLC, HPTLC
- **Animal Handling:** Wister Rat, Albino Rat, Swiss albino mic (aspirin-induced gastric ulcer animal model, hot plate model, carrageenan induced paw edema model, electro shock method.)
- **Bioinformatics:** Computer aided drug design (Autodock, Vina, Pymol, OpenBabel, Discovery studio), Computational ADME-T, Statistical analysis: GraphPad prism, MS-Office 2007-2021 .
- **Molecular Biology:** Isolation of DNA, RT-PCR, Electrophoresis, Western blotting technique.

## Professional Experience

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- As a **Senior Lecturer** from **September-2011 -Till date** in Department of Medical Laboratory Sciences/ Nursing, College of Applied Medical Sciences, AlQuwayiyah, Shaqra University, Saudi Arabia.
- **Subjects taught:** Pharmacological Aspect of Nursing care, Instrumental Analysis, Analytical chemistry, Organic chemistry, Medical Biochemistry, Clinical Epidemiology, Cell biology and Biostatistics at Preparatory, Bachelor and Master levels.
- **Teaching methodology:** I have a proven track record of different teaching methodologies like Case-based learning (CBL), Project-Based Learning (PBL), MCQ based scenario on a weekly basis to get the progress of students. I also followed the progress and exit exam strategy, utilized blackboard learning tools to manage the delivery of courses.  
Supervised research projects of bachelor and master thesis.
- **Quality work:** Actively involved in planning and curriculum development, Prepare documents like I-KPI, Cohort, and several standards for NCAAA quality accreditation of department.
- Manage laboratory documentations like list of procurement and consumptions of chemicals, consumables, and equipment.

## Administrative Experience

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Manager Laboratory Committee	Two years	2016-2017
Member Quality Committee	One year	2021-2023
Member Community Committee	One year	2020-2021
Member Research Committee	Five years	2018- 2023

## Research Grant

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- Associated as a Co-Investigator in a research proposal "Development of a Laboratory-safe and Low-cost Rapid Detection Kit for the Coronavirus Disease 2019 (COVID-19" selected on COVID-19, research proposal accepted by the Ministry of Health, Saudi Arabia in May 2020.
- Associated as a Co-Investigator on the project "Bioactive compound from bee-produced royal jelly and propolis against hepatocellular carcinoma," selected and receiving a research grant from Shaqra University, Ministry of Higher Education, Saudi Arabia, in April 2021.

## Editorial /Advisory Boards of Scientific Journals

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- ✓ Executive Board Member in the International Journal for Pharmaceutical Research Scholars (IJPRS) (EISSN: 2277-7873)
- ✓ International Peer Review in the European Journal of Pharmaceutical and Medical Research (EJPMR)
- ✓ Co-Editor and Advisory Board Member Journal for Pharmaceutical, Medical, and Biological Sciences
- ✓ Editorial Board Member Journal of Clinical and Medical Biochemistry is gaining readers and citations. ISSN: 2471-2663 AS

## List of Publications

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1. Stability indicating HPLC method for the simultaneous analysis of Gatifloxacin and Loteprednol in eyedrop formulation using design of experiment approach.  
Anil Devani, Depak Mohale, **Farhan R. Khan**, Bashir Ibrahim A. Omar.  
Indian Journal of Chemical Technology (ISSN: 0971457X) Vol. 30 (**IF-0.13: Q3**)
2. Ranitidine contaminated with N-nitrosodimethylamine (NDMA) link to carcinoma: A systematic review and meta-analysis.  
Abdulelah M. Alsolais, Ziyad Althafar , Mohammad R. Hasan... **\*Farhan R. Khan**,  
**Journal of Pharmaceutical Negative Results** (ISSN: 2229-7723) 02 (14)2023 (**IF-0.13: Q4**)
3. Expanding arsenal against diabetic wounds using nanomedicines and nanomaterials: Success so far and bottlenecks.  
Ankit Awasthi, Sukriti Vishwas, Monica Gulati , Leander Corrie , Jaskiran Kaur Rubiya Khursheed a, Aftab Alam c, Faris F.Aba Alkhayl , **Farhan Riyazuddin Khan..**  
Journal of Drug Delivery Science and Technology 74 (2022) 103534. (**IF-5.062: Q1**)
4. Molecular Interactions of Zyesami with the SARS-CoV-2 nsp10/nsp16 Protein Complex  
Sultan F. Alnomasy\*, Bader S. Alotaibi<sup>1</sup>, Ziyad M. Aldosari<sup>1</sup>, Ahmed H. Mujamammi, Ahmad Al- zamami , Yusuf Akhter , **Farhan R. Khan** and Mohammad R.  
Combinatorial Chemistry & High Throughput Screening, 2022 Aug 16. (**IF-0.24: Q4**)  
doi: 10.2174/1386207325666220816141028. Epub ahead of print. PMID: 35975856
5. Synthesis & Pharmacological Evaluation of Novel Benzimidazole Derivatives as Antiulcer and H<sup>+</sup> K<sup>+</sup> ATPase Inhibitor  
**\*Farhan R. Khan** and Mohd. Saleemuddin Farooqui  
Journal of Advances in Medical and Pharmaceutical Sciences, *ISSN: 2394-1111*  
23(5): 28-39, 2021; Article no. JAMPS.65173  
DOI: 10.9734/JAMPS/2021/v23i530236
6. A Novel Framework for Analysing Antibiotic Resistance, Classifications and Treatment of Extended Spectrum Beta-Lactamases  
Bader Saud Alotaibi\*, Jafar Ebrahim, Kadher Nivas and **Farhan R. Khan**  
Indian Journal of Science and Technology, Vol 12(26), (**Web of Science**)  
DOI: 10.17485/ijst/2019/v12i26/145156, July 2019
7. Factors Influencing Smoking Habits among the Students at College of Applied Medical Sciences, Al-Quwayiyah, Shaqra University, Saudi Arabia  
**\*Farhan R. Khan**; Bader S. Alotaibi, Jafar E. Jameela, Kadher Nivas R. Mamdouh H. Abdel-Ghaffar  
International Journal of Allied Medical Sciences and Clinical Research (IJAMSCR)  
ISSN:2347-656 | Volume 6 | Issue 4 | Oct-Dec – 2018 (**ISI Index**)

8. Design, Synthesis and Pharmacological Evaluation of Novel Substituted Benzimidazole Derivatives as Analgesic and Anti-Inflammatory Agent  
**\*Khan, Farhan R. (SIF-6.64)**  
 International Journal of Pharmacy & Pharmaceutical Research ISSN 2339 -7203  
 Ijppr. Human, 2017; Vol. 10 (1): 193-206. [www.ijppr.humanjournals.com](http://www.ijppr.humanjournals.com)
  
9. Comparative Study of Thick Smear, Thin Smear, QBC and Antigen Card Test in Diagnosis of Malaria.  
 J. Jafar Ebrahim, I. Al-Ghonaim Mohammed, N. Ramprasad and , **R. Farhan Khan**  
 International Journal of Pure and Applied Sciences and Technology ISSN 2229 -6107  
*Int. J. Pure Appl. Sci. Technol.*, 17(1) (2013), pp. 54-59
  
10. Prevalence of viral Hepatitis among population of Al-quwayiyah Governorate, Saudi Arabia  
 Al-Ghonaim, Mohammed I., Abdel-Ghaffar, Mamdouh\*, Alnomasy, Sultan F., Thalji, Mohamed R. and **Khan, Farhan R.**  
 World Journal of Pharmaceutical Research (WJPR) ISSN 227-7105, Issue 4(1)1212-1222.

## Conferences, Training Courses, Workshops and Certificates

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1. In Plant training Industrial experience with "Universal Pharmaceuticals Pvt. Ltd", Nagpur. India 2004
2. Attended training Programmed on Intellectual Property Rights. Nagpur, India. 2008.  
 "Intellectual Property Management (NIIPM) is a Training relating to Intellectual Property Rights (IPR) i.e. Patents, Designs & Trademarks"
3. The National Symposium & Seminar on HIV-AIDS. Nagpur, India, 2007.  
 "HIV-AIDS & Herbal drug Research".
4. Attended the 60 th International Pharmaceutical Conference 2008 (IPC), Organized by Indian Pharmaceutical Congress Association Delhi, India 2008.
5. "Pharma Vision & Regulation for Better Health Care". The National conference on Nano trends. (NCN) . Nagpur, India, 2009 "National Conference on Nanomaterials and Nanotechnology".
6. Attended National seminar on Emerging Trends in Advance drug delivery system  
 "Pharmacokinetic consideration in Designing of Novel Drug Delivery System" Nagpur, India 2010.
7. Attended Student research conference on topic "Smoking habits of Students in College of Applied Medical Science, Alquwayiyah, Shaqra University Riyadh, Saudi Arabia" in 2016
8. Student research selected under top five research of university & awarded with certificates from college & Shaqra University, Saudi Arabia in 2016
9. Attended an e-training workshop by Saudi Digital Library on topic "AIP Basic Advance Search Techniques" in 2016
10. Attended e-training workshop program titled "Introduction to Nano" in Saudi Digital library, Saudi Arabia, 2016.

12. Attended international conference on “innovation in Pharmaceutical Sciences “  
Gurunanak College of Pharmacy Campus, Hyderabad ,India 2017.
13. Attended National conference on ‘ Advance in Genomics & Pharmacogenimics in Global Health “Patal Dhamal Wadwani college of Pharmacy, Yavatmal, Maharashtra ,India 2019.
14. Participated in online training session by world heal organization (WHO) during COVID-19 pandemic entitle ‘sever acute respiratory infection (SARI) treatment facility design in April 2020.
15. Participated in online training session by world heal organization (WHO) during COVID-19 pandemic entitle ‘infection prevention and control (IPC) for novel corona virus COVID-19 in April 2020.

## References

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1. **Dr. Abdulelah M. Alsolais**  
Dean, College of Applied Medical Sciences, Alquwayiyah, Shaqra University, Riyadh, Saudi Arabia. [aalzamami@su.edu.sa](mailto:aalzamami@su.edu.sa)
2. **Dr. Ziyad Mohammad Althafar**  
Vice-Dean, College of Applied Medical Sciences, Alquwayiyah, Shaqra University, Riyadh, Saudi Arabia. [zaldosari@su.edu.sa](mailto:zaldosari@su.edu.sa)
3. **Prof. (Dr.) A. V Chandewar**  
Principal, Wadhwani College of Pharmacy Yavatmal, Maharashtra, India  
[avchandewar@rediffmail.com](mailto:avchandewar@rediffmail.com)
4. **Dr. Saleemuddin Farouqi**  
Principal, *Shree Sainath College of Pharmacy, Dawalameti, Amravati Road, Nagpur,* Maharashtra, India  
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