

## CURRICULUM VITAE



**Name:** Dr. Fazli Khuda

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**Date of Birth:** 07-04-1980

**Passport:** DH-4170301

**Current Designation:** Assistant Professor

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## EDUCATION

**PhD:** The University of Peshawar, Pakistan, March 2015

**Thesis Supervisors:** Meritorious Professor Dr. Zafar Iqbal

**Institution:** Department of Pharmacy, University of Peshawar, Peshawar-Pakistan

**Ph.D. Title:** Evaluation of the effects of selected fruit juices on the pharmacokinetics of artemether and lumefantrine in healthy human volunteers

**M.Phil. Title:** Formulation of topical anti-inflammatory preparations from selected medicinal plants

**M.Phil:** Department of Pharmacy, University of Peshawar, Pakistan 2008-10

**Pharm.D:** Department of Pharmacy, University of Peshawar, Pakistan 2001-2006

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## APPOINTMENTS

**Assistant Professor:** Department of Pharmacy, University of Peshawar, 2015 till date

**Lecturer:** Department of Pharmacy, University of Peshawar, 2007-2015

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## RESEARCH INTERESTS

Food-drug interaction, Drug-Drug interaction, Green synthesis, Chromatography

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## COMPUTER LITERACY

MS Office, Sigma Plot, Corel Draw X 17, End Note

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## COURSES TAUGHT AT UNIVERSITY OF PESHAWAR

Drug interaction studies, Clinical trials, Chromatography, Special topics in pharmaceuticals

## LANGUAGES

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English, Urdu and Pashto

### PUBLISHED PAPERS

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Bashir Ahmad, Ali Muhammad Yousafzai, Wali Khan , Hafeez Ur Rahman, Mazen Almeahmadi, Mustafa Halawi, Saad Alghamdi, Atif Ali Khan Khalil and **Fazli Khuda**. Evaluation of in-vitro and in-vivo antimicrobial potential of Typha elephantina leaves extracts using Cyprinus carpio as a research model Pakistan. Journal Pharmaceutical Sciences 35, 1(Suppl) (2022) 323-333. [doi.org/10.36721/PJPS.2022.35.1.SUP.323-333.1](https://doi.org/10.36721/PJPS.2022.35.1.SUP.323-333.1)

**Fazli Khuda**, Zafar Ul Haq, Ihsan Ilahi, Rahim Ullah, Ayub Khan, Hassan Fouad, Atif Ali Khan Khalil, Zaki Ullah, Muhammad Umar Khayam Sahibzada , Yasar Shah, Muhammad Abbas, Tayyaba Iftikhar, Gaber El-Saber Batiha. Synthesis of gold nanoparticles using Sambucus wightiana extract and investigation of its antimicrobial, anti-inflammatory, antioxidant and analgesic activities. Arabian Journal of Chemistry. 14 (2021) 103343.

**Fazli Khuda**, Zafar Iqbal, Ayub Khan, Muhammad Umar Khayam Sahibzada, Mahboob Alam, Ameer Khusro. Effect of fresh pomegranate juice on the pharmacokinetic profile of artemether: An open-label, randomized, 2-period crossover study in healthy human volunteers. Journal of Pharmaceutical and Biomedical Analysis. 203 (2021) 114179. <https://doi.org/10.1016/j.jpba.2021.114179>

**Fazli Khuda**, Madiha Anjum, Suleman Khan, Hamayun Khan, Muhammad Umar Khayam Sahibzada, Ameer Khusro, Asif Jan, Naveed Ullah, Yasar Shah, Zakiullah, Muhammad Abbas, Tayyaba Iftikhar, Abubakr M. Idrisg, Mayeen Uddin Khandaker. Talha Bin Emran Antimicrobial, anti-inflammatory and antioxidant activities of natural organic matter extracted from cretaceous shales in district Nowshera-Pakistan. Arabian Journal of Chemistry. 15,2 (2022)103633. <https://doi.org/10.1016/j.arabjc.2021.103633>

Mehwish Mushtaq, Yasar Shah, Samiullah, Fazli Nasir, Haroon Khan, Muhammad Faheem, Atif Nadeem, Sundas Khan, Sumaira Irum Khan, Muhammad Abbas, **Fazli Khuda**, Tayyaba Iftikhar. Determination of Voriconazole in Human Plasma Using RP-HPLC/UV-VIS Detection: Method Development and Validation; Subsequently Evaluation of Voriconazole Pharmacokinetic Profile in Pakistani Healthy Male Volunteers. Journal of Chromatographic Science. 2021, bmab108. <https://doi.org/10.1093/chromsci/bmab108>.

Anum Muzaffar, Sami Ullah, Fazal Subhan, Zahid Nazar, Syed Mehdi Hussain, **Fazli Khuda**, Abuzar Khan, Ameer Khusro, Muhammad Umar Khayam Sahibzada, Sarah Albogami, Ahmed M El-Shehawi, Talha Bin Emran, Binish Javed, Javed Ali. Clinical Investigation on the Impact of Cannabis Abuse on Thyroid Hormones and Associated Psychiatric Manifestations in the Male Population. Frontiers in Psychiatry. 12 (2021) 730388. doi: [10.3389/fpsy.2021.730388](https://doi.org/10.3389/fpsy.2021.730388)

Kyung-Hyun Choi and Abdul Samad Mumtaz Farzana Kausar, Kyung-Hwan Kim, Hafiz Muhammad Umer Farooqi, Muhammad Awais Farooqi, Muhammad Kaleem, Rooma Waqar, Atif Ali Khan Khalil , **Fazli Khuda**, Chethikkattaveli Salih Abdul Rahim, Kinam Hyun. Evaluation of Antimicrobial and Anticancer Activities of Selected Medicinal Plants of Himalayas, Pakistan. Plants. 11 (2021). 48. <https://doi.org/10.3390/plants11010048>

Ihsan Ilahi, **Fazli Khuda**, Muhammad Umar Khayam Sahibzada, Saad Alghamdi, Rahim Ullah, Zakiullah, Anas S. Dablood, Mehboob Alam, Ayub Khan, Atif Ali Khan Khalil. Synthesis of silver nanoparticles using root extract of Duchesnea indica and assessment of its biological activities. Arabian Journal of Chemistry, 14, (2021) 103-110.

Amjad Ali, Atif Ali Khan Khalil, **Fazli Khuda**, Nausheen Nazir, Riaz Ullah, Ahmed Bari, Adnan Haider, Syed Babar Jamal, Sareer Ahmad, Zahid Khan, Syed Muhammad Mukarram Shah, Syed Wadood Ali Shah, Abdul Nasir, Abid Ali, Muhammad Zahoor and Samin Jan. Phytochemical and Biological Screening of Leaf, Bark and Fruit Extracts from *Ilex dipyrrena* Wall. Life, 11 (837).

Asif Jan, Muhammad Saeed, Muhammad Hussain Afridi, **Fazli Khuda**, Muhammad Shabbir, Hamayun Khan, Sajid Ali, Muhammad Hassan, Samiullah, Rani Akbar, and Zakiullah Association of HLA-B Gene Polymorphisms with Type 2 Diabetes in Pashtun Ethnic Population of Khyber Pakhtunkhwa, Pakistan. Journal of Diabetes Research. 2021. <https://doi.org/10.1155/2021/6669731>

**Fazli Khuda**, Zafar Iqbal, Yasar Shah, Lateef Ahmmad, Fazli Nasir, Amir Zada Khan, Amanullah, Naila Shahbaz. Method development and validation for simultaneous determination of lumefantrine and its major metabolite, desbutyl lumefantrine in human plasma using RP-HPLC/UV detection. Journal of Chromatography B, 944 (2014) 114– 122.

**Fazli Khuda**, Zafar Iqbal, Yasar Shah, Muhammad Abbas, Zakiullah, Muhammad Hassan. A High-Resolution LC–MS/MS Method for the quantitative determination of Artemether and Its Metabolite Dihydroartemisinin in Human Plasma and Its Application to Pharmacokinetic Studies. Chromatographia, 79 (2016) 609-618.

**Fazli Khuda**, Zafar Iqbal, Ayub Khan, Zakiullah, Fazli Nasir, Yasar Shah. Anti-inflammatory activity of the topical preparation of *Valeriana wallichii* and *Achyranthes aspera* leaves. Pakistan journal of pharmaceutical sciences, 26, (2013) 451-454.

**Fazli Khuda**, Zafar Iqbal, Zakiullah, Ayub Khan, Fazli Nasir, Naveed Muhammad, Jamshaid Ali Khan, Muhammad Shafiq Khan. Metal analysis, phytotoxic, insecticidal and cytotoxic activities of selected medicinal plants of Khyber Pakhtunkhwa. Pakistan journal of pharmaceutical sciences, 25 (2012) 51-58.

**Fazli Khuda**, Zafar Iqbal, Zakiullah, Ayub Khan, Fazli Nasir. Antimicrobial and anti-inflammatory activities of leaf extract of *Valeriana wallichii* DC. Pakistan journal of pharmaceutical sciences, 25, (2012) 715-719.

**Fazli Khuda**, Zafar Iqbal, Ayub Khan, Zakiullah, Yasar Shah, Lateef Ahmad, Fazli Nasir, Muhammad Hassan, Ismail, Waheed Ali Shah. Evaluation of anti-inflammatory activity of selected medicinal plants of Khyber Pakhtunkhwa, Pakistan. Pakistan journal of pharmaceutical sciences, 27 (2014) 365-368.

**Fazli Khuda**, Zafar Iqbal, Ayub Khan, Zakiullah, Fazli Nasir, Muhammad Shafiq Khan. Validation of some of the ethnopharmacological uses of *Xanthium strumarium* and *Duchesnea indica*. Pakistan Journal of Botony, 44 (2012): 1199-1201.

**Fazli Khuda**, Zafar Iqbal, Ayub Khan, Zakiullah, Yasar Shah, Abad Khan. Screening of selected medicinal plants for their enzyme inhibitory potential—A validation of their ethnopharmacological uses. Pakistan journal of pharmaceutical sciences, 27 (2014) 593-596.

**Fazli Khuda**, Zafar Iqbal, Ayub Khan, Zakiullah, Waheed Ali Shah, Yasar Shah, Lateef Ahmad, Muhammad Hassan, Abuzar Khan, Abad Khan. Antibacterial and antifungal activities of leaf

extract of *Achyranthes aspera* (Amaranthaceae) from Pakistan. Pakistan journal of pharmaceutical sciences, 28 (2015) 1797-1800.

**Fazli Khuda**, Muhammad Ovais, Zakiullah, Ayub Khan, Gowhar Ali, Sami Ullah, Waheed Ali Shah, Nizamuddin Abdul Qadar. Drug-food interactions of commonly available juices of Pakistan. Pakistan journal of pharmaceutical sciences, 32 (2019) 2189-2196.

Ayub Khan, Dongli Wei, **Fazli Khuda**, Ran Ma, Muhammad Ismail, Yuejie Ai. Comparative adsorption capabilities of rubbish tissue paper-derived carbon-doped MgO and CaCO<sub>3</sub> for EBT and U(VI), studied by batch, spectroscopy and DFT calculations. Environmental Science and Pollution Research, <https://doi.org/10.1007/s11356-020-07796-3>.

Abdul Khaliq Jan, Sher Wali Khan, Nasir Mehmood Khan, Hassan Sher, **Fazli Khuda**. Composition of the essential oil of *Thymus afghanicus*. Chemistry of Natural Compounds, 1 (2020) 1-2.

Lateef Ahmad, Zafar Iqbal, Yasar Shah, D. G. Watson, Abad Khan, Muhammad Imran Khan, **Fazli Khuda**, Abbas Khan, Fazli Nasir. Simple and Fast Liquid Chromatography–Mass Spectrometry (LC–MS) Method for the Determination of Omeprazole, 5-hydroxyomeprazole, and Omeprazole Sulphone in Human Plasma. Journal of Liquid Chromatography & Related Technologies, 38 (2014)692-697.

Lateef Ahmad, Zafar Iqbal, Yasar Shah, Shabnam Nazir, Abad Khan, Muhammad Imran Khan, Abbas Khan, **Fazli Khuda**, Ismail Khan. Comparative pharmacokinetics of Omeprazole and its metabolites in poor and extensive metabolizer Pakistani healthy volunteers and a review of different studies. Pakistan journal of pharmaceutical sciences, 31 (2018) 1363-1374.

Yasar Shah, Zafar Iqbal, Lateef Ahmad, **Fazli Khuda**, Abad Khan, Abbas Khan, Muhammad Imran Khan, Ismail. Effect of Omeprazole on the Pharmacokinetics of Rosuvastatin in Healthy Male Volunteers. American Journal of Therapeutics, (2015) 1–10.

Yasar Shah, Zafar Iqbal, Lateef Ahmad, Shabnam Nazir, David G. Watson, **Fazli Khuda**, Abad Khan, Muhammad Imran Khan, Abbas Khan, Fazli Nasir. Determination of Rosuvastatin and its Metabolite N Desmethyl Rosuvastatin in Human Plasma by Liquid Chromatography–High Resolution Mass Spectrometry: Method Development, Validation, and Application to Pharmacokinetic Study. Journal of Liquid Chromatography & Related Technologies, 38 (2014), 863-873.

Aman Ullah, Zafar Iqbal, Yasar Shah, Lateef Ahmad, **Fazli Khuda**, Zia Ullah, Muhammad Hassan, Ismail, Naila Shahbaz, Ibrahim Khadr. Validated and Optimized RP-HPLC Method for the Simultaneous Quantification of Meloxicam and its Major Metabolites in Biological Fluids with Liquid Liquid and Solid Phase Extraction Technique. Chemical society of Pakistan, 39 (2017) 802-811.

Fazli Nasir, Zafar Iqbal, Amirzada Khan, Jamshaid A. Khan, Abad Khan, **Fazli Khuda**, Shahida Zakir, Nageen Yousaf, Ismail Khan, Yasar Shah, Muhammad Imran Khan, Naila Shahbaz. Development and evaluation of pluronic- and methylcellulose-based thermoreversible drug delivery system for insulin. Drug development and industrial pharmacy, 40 (2014), 1503-8.

Fazli Nasir, Zafar Iqbal, Jamshaid A. Khan, Abad Khan, **Fazli Khuda**, Lateef Ahmad, Amirzada Khan, Abbas Khan, Abdullah Dayoo, Roohullah. Development and evaluation of diclofenac sodium thermoreversible subcutaneous drug delivery system. International Journal of Pharmaceutics 439 (2012) 120– 126.

Muhammad Ovais, Akhtar Nadhman, Ali Talha Khalil, Abida Raza, **Fazli Khuda**, Muhammad Farhan Sohail, Zakiullah, Nazar Ul Islam, Hafiz Shoaib Sarwar, Gul Shahnaz, Irshad Ahmad, Muthupandian Saravanan, Zabta Khan Shinwari. Biosynthesized colloidal silver and gold nanoparticles as emerging leishmanicidal agents: an insight. *Nanomedicine*, 24 (2017) 2807-2819.

Muhammd Iqbal Khan, Ayub Khan, Iqbal Hussain, Murad Ali Khan, Saima Gul, Mohammad Iqbal, Inayat-Ur-Rahman, **Fazli Khuda**. Spectral, XRD, SEM and biological properties of new mononuclear Schiff base transition metal complexes. *Inorganic Chemistry Communications*, 35 (2013) 104–109.

Ayub Khan, **Fazli Khuda**, Ahmed Mourtada Elseman, Zaynab Aly, Mohamed M. Rashad Xiangke Wang. Innovations in graphene-based nanomaterials in the preconcentration of pharmaceuticals waste. *Environmental technology reviews*, 7 (2017) 73-94.

Ayub Khan, Xiangke Wang, Kashif Gul, **Fazli Khuda**, Zaynab Aly, A.M. Elseman. Microwave-assisted spent black tea leaves as cost-effective and powerful green adsorbent for the efficient removal of Eriochrome black T from aqueous solutions. *Egyptian Journal of Basic and Applied Sciences*, 5 (2018) 171-182.

Zakiullah, Muhammad Saeed, Naveed Muhammad, Saeed Ahmad Khan, Farah Gul, **Fazli Khuda**, Muhammad Hamuyun, Hamayun Khan. Assessment of potential toxicity of a smokeless tobacco product (naswar) available on the Pakistani market. *Tobacco control*, 4 (2012) 396-401.

Zakiullah, Ahmadullah, Muhammad Khisroon, Muhammad Saeed, Ajmal Khan, **Fazli Khuda**, Sajid Ali, Nabila Javed, Muhammad Ovais, Nosheen Masood, Nasir Khan Khalil, Mohammad Ismail. Genetic Susceptibility to Oral Cancer due to Combined Effects of GSTT1, GSTM1 and CYP1A1 Gene Variants in Tobacco Addicted Patients of Pashtun Ethnicity of Khyber Pakhtunkhwa Province of Pakistan. *Asian pacific journal of cancer prevention*, 3 (2015) 1145-1150.

Zakiullah, Muhammad Saeed, Sajid Ali, Nabila Javed, Muhammad Khisroon, **Fazli Khuda**, Baseer Muhammad, Saeed Ahmad & Mohammad Ismail. Genetic susceptibility to esophageal cancer due to Cyp 1A1 gene variant rs4646903 in tobacco addicted patients of Pashtun ethnicity: a case control study in Khyber Pakhtunkhwa Province of Pakistan. *Asian pacific journal of cancer prevention*, 15 (2014) 6715-6720.

Zakiullah, Muhammad Saeed, Nabila Javed, **Fazli Khuda**, Muhammad Ovais. Association of nasopharyngeal cancer risk with genetic polymorphisms of drug-metabolizing enzyme genes GSTM1, GSTT1 and CYP1A1 (rs4646903 variant), in tobacco addicted patients of Pashtun ethnicity of Khyber Pakhtunkhwa Province of Pakistan. *Pakistan Journal of Pharmaceutical Sciences*. 32 (2019) 2107-2116

Inamullah Khan, Muhammad Nisara, Farooq Ebad, Said Nadeem, Muhammad Saeed, Haroon Khan, Samiullah, **Fazli Khuda**, Nasiara Karim and Zia Ahmad. Anti-inflammatory activities of Sieboldogenin from *Smilax china* Linn. *Journal of Ethnopharmacology*, 121 (2009) 175-177.

Waheed Ali Shah, Zakiullah<sup>1</sup>, **Fazli Khuda**, Faridullah Khan, Muhammad Saeed. Comparison of toxic heavy metals concentration in medicinal plants and their respective branded herbal formulations commonly available in Khyber Pakhtunkhwa. *Pakistan journal of pharmaceutical sciences*, 29 (2016) 1251-1256.

Gowhar Ali, Saniya Hashim Khan, Shabnam Nazira, Abuzar Khan, Muzaffar Abbas, Samiullah, **Fazli Khuda**, Ihsanullah, Rehmat Shah. Assessment of Effective Clinical Pharmacy Clerkship as an Emerging Programme on Drug Related Problems in Pediatric Ward- A Single Centre Study from North West Part of Pakistan. *Pharmacologyonline*, 1 (2013) 11 – 29.

Yasar Shah, Zafar Iqbal, Lateef Ahmad, **Fazli Khuda**, Abad Khan, Ismail, Muhammad Hassan and Zakiullah. Rosuvastatin pharmacokinetics in Pakistani healthy volunteers in comparison with other population. Pakistan journal of pharmaceutical sciences, 32 (6) (2019) 2739-2746.

## **CONFERENCES AND WORKSHOPS**

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Managing References and Citations using EndNote software. May, 2012, Peshawar.

H.V.A.C.(Heating Ventilation and Air conditioning Systems) and Validation. April, 2010, Peshawar.

Workshop on various Equipments in “Centralized Resources Labs’ U.O.P.”in which the following equipments were studied (Electron Microscope, X-Ray Diffractometer, HPLC, GC, AAS, UTM, Thermal Analyser. March 2011.

Promotion of Essential Drugs Concept, Good Prescribing Practices, and Code of Ethics. July, 2009.

Natural Disasters---Professional, Ethical and Religious Issues, July, 2014, Lahore.

Recent Medical Advances and Promotion of Islamic Medical Ethics, January, 2013, Lahore.

Evidence Based Medical and Religious Practices, February, 2015, Faisal Abad.

Organized and participated in National Pharmacy Conference on the topic of ‘Pharmacy as profession: Challenges and opportunities in the new scenario’. 21-23 August, 2015. Baragali Summer campus.

Attended workshop on Soft Skills arranged by University of Pashawar in collaboration with University of Essex, UK. 6 April, 2016, Marriot Islamabad.

Organized workshop on the Pharmacy Examining Board of Canada (PEBC), at the Department of Pharmacy, University of Peshawar. 2015, Peshawar.

Medical Conference on the topic of ‘One Health Concept: Islamic Perspective. 7 May, 2016, Peshawar.

Organized and participated in workshop entitled: Capacity Building of Faculty Members of Pharmacy Institutions. 6-9 July, 2017, Baragali Summer campus.

## **ADMINISTRATIVE AND RESEARCH EXPERIENCE**

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Member Scholarships Committee at the Department of Pharmacy, University of Peshawar

Staff proctor (**Seven years’ experience**) at the Department of Pharmacy, University of Peshawar

Member Quality Assessment Team, Department of Pharmacy, University of Peshawar

Member Library Committee at the Department of Pharmacy, University of Peshawar

Member Departmental Magazine Committee at the Department of Pharmacy, University of Peshawar

In-charge student attendance Committee

In charge Sports, Department of Pharmacy, University of Peshawar

Supervised 25 Students under “Clinical Pharmacy Internship Programme” in various teaching hospitals of Peshawar.

Currently, supervising four MPhil leading to PhD students (List attached)

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### **MEMBERSHIP OF LEARNED SOCIETIES AND OTHER ACHIEVEMENTS IN THE UNIVERSITY**

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Organizer Science Society, University of Peshawar

Got first prize in Poster & Model competition in ‘Mega science Exhibition-2013, organized by Science Society, University of Peshawar at 16th May, 2013, at PUTA Hall.

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### **RESEARCH PROJECTS SUBMITTED TO HIGHER EDUCATION COMMISSION OF PAKISTAN**

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#### **Research Projects as Principal Investigator**

**Project Title:** Pharmacogenomic screening of familial hyperthyroidism patients in Pashtun population of Khyber Pakhtunkhwa Province

**Amount:** 7.34 Million

**Status:** Submitted

**Project No:** 8868

**Project Title:** Next Generation Sequencing of gene panel associated with genetic susceptibility to chronic kidney diseases (CKD) in patients of pashtun ethnicity in Khyber Pakhtunkhwa province

**Amount:** 2.5 Million

**Status:** Submitted

## PROFESSIONAL EXPERIENCE (05 Years)

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Worked as Quality control pharmacist at Lowitt Pharma (Pvt) Ltd. Peshawar

## INTERNATIONAL REFEREES

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### **Dr. Pieter Annaert**

Associate Professor

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### **ZUO Zhong, Joan**

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