

Curriculum Vitae

Dr. Zakir Khan

PERSONAL INFORMATION

Nationality: Pakistan

Date of birth: 07/02/1991

Email: zakirkhan@rcsi.ie; zakirkhan300@gmail.com

PROFESSIONAL EXPERIENCE

14/10/2024 – Present Postdoctoral Researcher at School of Pharmacy and Biomolecular Sciences, Royal College of Surgeons in Ireland (RCSI) University of Medicine and Health Sciences, Dublin, Ireland under Marie Skłodowska-Curie Actions European Postdoctoral Fellowship.

Responsibilities: Project-based responsibilities related to “Harnessing Evidence on Adverse drug withdrawal events following Deprescribing through the Pharmacovigilance system (HEAD-P)”.

23/08/2023 – 30/09/2024 Assistant Professor at Riphah Institute of Pharmaceutical Sciences (RIPS), Riphah International University, Gulberg Green Campus, Islamabad, Pakistan

Responsibilities: Teaching, administrative and research responsibilities

15/8/2017 – 10/09/2018 Senior lecturer at Shahbaz College of Pharmacy Technician, Islamabad, Pakistan

Responsibilities: Teaching, administrative and research responsibilities

EDUCATION

26/09/2018 – 27/07/2023 PhD (Medical Pharmacology-Pharmacovigilance), Çukurova University (Çukurova Üniversitesi), Adana, Türkiye

Thesis Title: Evaluation of knowledge, attitude, and behaviours towards pharmacovigilance and adverse drug reaction reporting among health care professionals

Supervisor: Prof. Dr. Yusuf Karatas (ykaratas@cu.edu.tr)

21/09/2015 – 11/08/2017 Master of Philosophy (Pharmacy Practice) Quaid-i-Azam University, Islamabad, Pakistan

Thesis Title: Prescription Analysis and Factors Affecting Prescribing for Elective Surgeries in Tertiary Care Hospitals of Islamabad, Pakistan

Supervisor: Dr. Naveed Ahmed (natanoli@qau.edu.pk)

06/09/2010 – 11/09/2015 Doctor of Pharmacy (Pharm-D), The University of Lahore, Lahore, Pakistan

2007 – 2009 Higher Secondary school certificate (Pre-Medical), Government Islamia College Civilline, Lahore, Punjab, Pakistan

2005 – 2007 Secondary school Certificate (Science Group-Matric), Sharif Model School for boys, Lahore, Punjab, Pakistan

EUROPEAN ERASMUS+ FUNDED TRAINEESHIPS

14/11/ 2022 – 15/01/2023 Trainee, University of Verona, Italy

“Pharmacovigilance and adverse drug reactions reporting research training” at the Department of Diagnostics and Public Health, Section of Pharmacology funded by ERASMUS+.

Supervisor: Prof. Dr. Gianluca Trifirò (gianluca.trifiro@univr.it)

23/06/2022 – 18/07/ 2022 Trainee, University of Debrecen, Hungary

“Pharmacovigilance and adverse drug reactions aspects of physicians, pharmacists and nurses”

Traineeship at the Faculty of Pharmacy, Department of Pharmaceutical Surveillance and Economics funded by ERASMUS+.

Supervisor: Dr. Bela E Toth (tothe.bela@pharm.unideb.hu)

RESEARCH PROFILE

ORCID

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ResearchGate ID

https://www.researchgate.net/profile/Zakir_Khan10/publications

Google scholar ID

https://scholar.google.com/citations?user=o4_yekcAAAAJ&hl=en

PUBLICATIONS IN PEER-REVIEWED SCIENTIFIC JOURNALS

1. **Zakir Khan**, Frank Moriarty. (2026). Strengthening pharmacovigilance reporting for withdrawal reactions to support deprescribing. Clin Pharmacol Ther. 2026. doi: <https://doi.org/10.1002/cpt.70356>
2. Sarwat R, Hamza MA, Azam A, Zahra BB, Amer M, **Zakir Khan**, Mahmood M, Ahmed A. (2025). Exploring challenges related to breast cancer chemotherapy among females in Pakistan: A Qualitative Study. Cancer Rep (Hoboken). 2025;8(11):e70381. doi: 10.1002/cnr2.70381.
3. Akbar Z, Aamir M, Saleem Z, **Zakir Khan**, Khan MR. (2025). Role of pharmacist in adverse drug reaction reporting: Enhancing antifungal safety and pharmacovigilance in cancer patients. J Oncol Pharm Pract. 2025;10781552251340333. doi: 10.1177/10781552251340333.
4. Zaidi S, Qayyum HA, Qayyum IA, **Zakir Khan**, Islam T, Ahmed N, Hopkins KL, Sommers T, Akhtar S, Khan SA, Javed S, Ikram A and Akhtar H. (2025). COVID-19 vaccines side effects among the general population during the pandemic: a cross-sectional study. Front. Public Health. 13:1420291. doi: 10.3389/fpubh.2025.1420291.
5. Yousaf H, Qadeer A, Sohail M, Khan M, Farooq M, **Zakir Khan**, Fouad D, Liu Y-C and Chen C-C. (2025). Knowledge, attitude, and perception of Pakistani populations toward monkeypox: a cross-section study. Front. Cell. Infect. Microbiol. 14:1449096. doi: 10.3389/fcimb.2024.1449096. (Impact factor: 4.6).
6. **Zakir Khan**, Karatas Y, Akici A, Martins MAP and Ahmad N. (2024). Pharmacoepidemiology and pharmacovigilance post-marketing drug safety studies. Front. Pharmacol. 15:1473052. doi: 10.3389/fphar.2024.1473052.
7. Crisafulli S, Ciccimarra F, **Zakir Khan**, Maccarrone F, Trifirò G. (2024). Understanding Clinical Effectiveness and Safety Implications of Botulinum Toxin in Children: A Narrative Review of the Literature. Toxins (Basel). 16(7):306. doi: 10.3390/toxins16070306.
8. **Zakir Khan**, Ahmed A, Ilyas U. (2024). The crucial role of pharmacovigilance in managing infectious diseases in lower and middle-income countries. Therapeutic Advances in Drug Safety. 15:20420986241251593. doi: <https://doi.org/10.1177/20420986241251593>.

9. Azhar S, Rashid L, Islam T, Akhtar S, Hopkins KL, Sommers T, Ikram A, Anwar N, Maqbool NA, **Zakir Khan**, Ahmed N, Akhtar H. (2024). Knowledge, attitude, and practices of vaccinators about expanded programs on immunization: a cross-sectional study. *Front. Public Health*. 12(2024). doi: 10.3389/fpubh.2024.1366378.
10. **Zakir Khan**, Yusuf Karatas, Syed Muhammad Hamid. (2023). Evaluation of health care professionals' knowledge, attitudes, practices and barriers to pharmacovigilance and adverse drug reaction reporting: A cross-sectional multicentral study. *PLoS ONE* 18(5): e0285811. <https://doi.org/10.1371/journal.pone.0285811>.
11. Salvatore Crisafulli, **Zakir Khan**, Yusuf Karatas, Marco Tuccori, Gianluca Trifirò. (2023). An overview of methodological flaws of real-world studies investigating drug safety in the post-marketing setting. *Expert Opinion on Drug Safety*. <https://doi.org/10.1080/14740338.2023.2219892>.
12. Khan FU, Mallhi TH, Khan FU, Hayat K, Rehman AU, Shah S, **Khan Z**, Khan YH, Ahmad T, Gudi SK, Karataş Y and Fang Y. (2022). Evaluation of Consumers Perspective on the Consumption of Antibiotics, Antibiotic Resistance, and Recommendations to Improve the Rational use of Antibiotics: An Exploratory Qualitative Study from Post-Conflicted Region of Pakistan. *Frontiers in Pharmacology*. 13:881243. <https://doi.org/10.3389/fphar.2022.881243>.
13. Olcay Kiroğlu, Fatih Berktaş, **Zakir Khan**, Muhammed Dağkiran, Yusuf Karatas. (2022). Self-medication practices with conventional and herbal drugs among ear, nose, and throat patients. *Revista da Associação Médica Brasileira*. 68 (10): 1416-1422. <https://doi.org/10.1590/1806-9282.20220430>.
14. Yusuf Karatas, **Zakir Khan**, Emine Ekemen Öz, Ezgi Sena Gören Özagil, Ayşe Büşra Abussuutoğlu, Tansu Erkişi, Aykut Pelit, Faiz Ullah Khan, Hazir Rahman. (2022). Parental self-medication and associated factors in children: a cross-sectional study in Turkey. *Journal of Pharmaceutical Health Services Research*. 20:1-8. <https://doi.org/10.1093/jphsr/rmac051>.
15. Sohail Kamran, **Zakir Khan**, Muhammad Saqlain, Zahid Nazar, Muska Khan, Zulnorain Ali, Haroon Rashid, Kifayat Ullah Shah, Yusuf Karatas, Najeeb Ur Rahman. (2021). Prescription analysis and cost of antidepressant drugs in major depressive disorder outpatients at the tertiary care hospital of Pakistan: a prospective approach. *Expert Review of Pharmacoeconomics & Outcomes Research*. 1-7. <https://doi.org/10.1080/14737167.2022.2021073>.
16. **Zakir Khan**, Yusuf Karataş, Olcay Kiroğlu. (2021). Evaluation of Adverse Drug Reactions in Paediatric Patients: A Retrospective Study in Turkish Hospital. *Frontiers in Pharmacology*. 12:786182. Doi: <https://doi.org/10.3389/fphar.2021.786182>.
17. **Zakir Khan**, Yusuf Karatas, Maria Auxiliadora Parreiras Martins, Shazia Jamshed, Hazir Rahman. (2021). Knowledge, attitude, practice and barriers towards pharmacovigilance and adverse drug reactions reporting among healthcare professionals in Turkey: a systematic review. *Current medical research and opinion*, 1-10. Doi: <https://doi.org/10.1080/03007995.2021.1997287>.
18. Khan FU, Khan A, Shah S, Hayat K, Usman A, Khan FU, **Khan Z**, Karataş Y, Ahmad T, Chang J, Malik UR, Khan A, Shukar S, Kadirhaz M and Fang Y. (2021). Exploring Undergraduate Pharmacy Students Perspectives Towards Antibiotics Use, Antibiotic Resistance, and Antibiotic Stewardship Programs Along With the Pharmacy Teachers' Perspectives: A Mixed-Methods Study From Pakistan. *Frontiers in Pharmacology* 12:754000. Doi: <https://doi.org/10.3389/fphar.2021.754000>.
19. Khan FU, Khan FU, Hayat K, Ahmad T, Khan A, Chang J, Malik UR, **Khan Z**, Lambojon K, Fang Y. (2021). Knowledge, Attitude, and Practice on Antibiotics and Its Resistance: A Two-Phase Mixed-Methods Online Study among Pakistani Community Pharmacists to Promote Rational Antibiotic

Use. International Journal of Environmental Research and Public Health. 18(3):1320. Doi: <https://doi.org/10.3390/ijerph18031320>.

20. Nusrat Yasin, Hazir Rahman, Yasra Sarwar, Muhammad Qasim, Iqbal Nisa, Aamer Ikram, Gohar Zaman, **Zakir Khan**, Munazza Raza Mirza, Niamat Khan, Aziz-ur-Rehman Safi, Khalid J Alzahrani. (2021). Salmonella Typhi from Northwest Pakistan: Molecular Strain Typing and Drug Resistance Signature. Microbial Drug Resistance. Doi: <https://doi.org/10.1089/mdr.2020.0304>.
21. Khayal Muhammad, Muhammad Saqlain, Gul Muhammad, Ataullah Hamdard, Muhammad Naveed, Muhammad Hammad Butt, Siraj Khan, Najlaa Saadi Ismael, **Zakir Khan**, Yusuf Karatas. (2021). Knowledge, Attitude, and Practices (KAPs) of Community Pharmacists Regarding COVID-19: A Cross-Sectional Survey in 2 Provinces of Pakistan. Disaster Medicine and Public Health Preparedness. 1-9. DOI: <https://doi.org/10.1017/dmp.2021.54>.
22. Yusuf Karataş, **Zakir Khan**, Çağrı Bilen, Aslı Boz, Ezgi Sena Gören Özagil, Ayşe Büşra Abussuutoğlu and Hazir Rahman. (2021). Traditional and complementary medicine use and beliefs during COVID-19 outbreak: A cross-sectional survey among the general population in Turkey. Advances in Integrative Medicine. Doi: <https://doi.org/10.1016/j.aimed.2021.09.002>.
23. Yusuf Karataş, **Zakir Khan**. (2021). Antibiotic Usage in the Pediatric Population: The Need for Effective Role of Parents and Prescribers. Guncel Pediatri-Journal of Current Pediatrics. 19(1):135-140. DOI:10.4274/jcp.2021.0019.
24. **Zakir Khan**, Yusuf Karataş. (2022). Adverse drug reaction reporting for more than a decade: The need for pharmacovigilance policy implementation in Turkey. Journal of Taibah University Medical Sciences. 17(2):340-342. Doi: <https://doi.org/10.1016/j.jtumed.2021.12.009>.
25. **Zakir Khan**, Y Karataş, H Rahman. (2021). Antimicrobial Practices and Geriatrics: Need for Periodic Surveillance Studies in Turkey. Asia Pacific Journal of Public Health. 2021; 1:1-2. Doi: <https://doi.org/10.1177/10105395211007643>.
26. **Zakir Khan**, Yusuf Karataş, Hazir Rahman, Mughal Qayum, Khalid Jamaan Alzahrani, Syed Muhammad Kashif. (2021). COVID-19 treatments and associated adverse reactions: the need for effective strategies to strengthen pharmacovigilance system in Lower-and middle-income countries. Le Pharmacien Hospitalier et Clinicien/Pharmacien Hospitalier et Clinicien. Doi: <https://doi.org/10.1016/j.phclin.2021.06.001>.
27. Muhammad Naveed, Shahab Uddin, Muhammad Khalid Khan, **Zakir Khan**. (2021). Remdesivir for the Treatment of COVID-19: A Need for Combined In Vivo and In Vitro Studies to Evaluate the Efficacy. Journal of Pharmacy Practice. 34(3): 343-346. Doi: <https://doi.org/10.1177/0897190021997001>.
28. **Zakir Khan**, Yusuf Karataş (2021). Antimicrobial usage and pediatrics population: A need for the implementation of antimicrobial stewardship programs in Turkey. Turkish Archives of Pediatrics. 56(1): 92-93. DOI: 10.14744/TurkPediatriArs.2020.34341.
29. Yaseen Hussain, Khayal Muhammad, Muhammad Farooq Umer, Abdullah Omarkhail, Siraj Khan, Muhammad Kamran, Haroon Rashid, **Zakir Khan**. (2021). Coronavirus disease 2019 in 5 neighboring limited-resource countries: A financial and health threat. Value in Health Regional Issues. 24:114-116. DOI: <https://doi.org/10.1016/j.vhri.2020.06.001>.
30. **Zakir Khan**, Y Karataş, AF Ceylan, H Rahman (2021). COVID-19 and therapeutic drugs repurposing in hand: the need for collaborative efforts. Le Pharmacien Hospitalier et Clinicien/Pharmacien Hospitalier et Clinicien. 56(1):3-11. Doi: <https://doi.org/10.1016/j.phclin.2020.06.003>.

31. Faiz Ullah Khan, Farman Ullah Khan, Khezhar Hayat, Jie Chang, Amna Saeed, **Zakir Khan**, Muhammad Ashraf, Usman Malik Rasheed, Naveel Atif, Wenjing Ji, Muhammad Majid Aziz, Yu Fang. (2020). Knowledge, attitude and practices among consumers toward antibiotics use and antibiotic resistance in Swat, Khyber-Pakhtunkhwa, Pakistan. Expert review of anti-infective therapy. 18(9):937-946. Doi: <https://doi.org/10.1080/14787210.2020.1769477>.
32. **Zakir Khan**, Naveed Ahmed, Asim.ur. Rehman, Faiz Ullah Khan, Muhammad Saqlain, Maria Auxiliadora Parreiras Martins, Hazir Rahman. (2020). Audit of pre-operative antibiotic prophylaxis usage in elective surgical procedures in two teaching hospitals, Islamabad, Pakistan: An observational cross-sectional study. PLoS ONE 15(4): e0231188. Doi: <https://doi.org/10.1371/journal.pone.0231188>.
33. **Zakir Khan**, Naveed Ahmed, Shaista Zafar, Faiz Ullah Khan, Asim.ur. Rehman, Maria Auxiliadora Parreiras Martins, Yusuf Karataş. (2020). A pilot study on the rational use of medicines in four tertiary care hospitals through validated World Health Organization prescribing drugs indicators. Annali di igiene : medicina preventiva e di comunita. 32(4):368-375. doi: 10.7416/ai.2020.2360.
34. Khayal Muhammad, Tariq Khan, Nisar-Ur-Rehman, **Zakir Khan**, Fazal Subhan. (2020). Knowledge and attitude regarding insulin self-administration among diabetic patients: a cross-sectional study in a teaching hospital of Khyber-Pakhtunkhwa, Pakistan. Drugs and Therapy Perspectives; 36: 266–272. Doi: <https://doi.org/10.1007/s40267-020-00719-9>.
35. Tariq Khan, Khayal Muhammad, Fazal Subhan, **Zakir Khan**. Nisar Ur Rehman (2020). Frequency and nature of potential drug–drug interaction in medical wards: a cross-sectional study in a teaching hospital. Drugs and Therapy Perspectives, 36:158–165. Doi: <https://doi.org/10.1007/s40267-020-00710-4>.
36. **Zakir Khan**, Yusuf Karataş, Hazir Rahman. (2020). Anti COVID-19 Drugs: Need for More Clinical Evidence and Global Action. Advances in Therapy. 2020; 37(6): 2575–2579. Doi: <https://doi.org/10.1007/s12325-020-01351-9>.
37. **Zakir Khan**, Khayal Muhammad, Ali Ahmed, Hazir Rahman (2020). Coronavirus outbreaks: prevention and management recommendations. Drugs and Therapy Perspectives 2020; 36:215–217. Doi: <https://doi.org/10.1007/s40267-020-00717-x>.
38. **Zakir Khan**, Naveed Ahmed, Shaista Zafar, Asim.ur. Rehman, Faiz Ullah Khan, Muhammad Saqlain, Sohail Kamran, Hazir Rahman (2020). Audit of antibiotic prophylaxis and adherence of Surgeons to standard guidelines in common abdominal surgical procedures. Eastern Mediterranean Health Journal. 26(9):1052-1061 Doi: <https://doi.org/10.26719/emhj.20.025>. (Impact factor: 0.442).
39. Faiz Ullah Khan, Yu Fang, **Zakir Khan**, Farman Ullah Khan, Zafar Iqbal Malik, Naveed Ahmed, Amir Hayat Khan, Asim.ur. Rehman (2020). Occurrence, associated risk factors, and treatment of surgical site infections in Pakistan. European Journal of Inflammation. 2020;18(1). Doi: <https://doi.org/10.1177/2058739220960547>.
40. **Zakir Khan**, Naveed Ahmed, Shaista zafar, Asim.ur. Rehman, Faiz Ullah Khan, Yusuf Karataş, Hazir Rahman (2020). Antimicrobial prophylaxis for adult surgical patients in a Pakistani teaching hospital. Le Pharmacien Hospitalier et Clinicien/Pharmacien Hospitalier et Clinicien. 55(2):143-149. Doi: <https://doi.org/10.1016/j.phclin.2019.11.003>.
41. **Zakir Khan**, Naveed Ahmed, Asim.ur. Rehman, Faiz Ullah Khan, Syed Muhammad Hamid (2020). Pattern of antibiotic prophylaxis usage and timing of administration in common paediatric surgeries in teaching hospitals. Drugs and Therapy Perspectives. 36:26–32. Doi: <https://doi.org/10.1007/s40267-019-00692-y>.

42. Tariq Khan, Khayal Muhammad, Fazal Subhan, **Zakir Khan**, Nisar Ur Rehman. (2020). Frequency and nature of potential drug–drug interaction in medical wards: a cross-sectional study in a teaching hospital. *Drugs and Therapy Perspectives* 2020;36;158–165. Doi: <https://doi.org/10.1007/s40267-020-00710-4>.
43. Faiz Ullah Khan, **Zakir Khan**, Naveed Ahmed, Asim.ur. Rehman. (2020). General Overview of Incidence, Associated Risk Factors and Treatment Outcomes of Surgical Site Infections. *Indian Journal of Surgery*. 2020; 82:449–459. Doi: <https://doi.org/10.1007/s12262-020-02071-8>.
44. **Zakir Khan**, Yusuf Karataş, Hazir Rahman. (2020). Adverse drug reactions reporting in Turkey and barriers: an urgent need for pharmacovigilance education. *Therapeutic advances in drug safety*, 11, 2042098620922483. Doi: <https://doi.org/10.1177/2042098620922483>.
45. **Zakir Khan**, Yusuf Karataş. (2020). COVID -19 in Turkey: An urgent need for the implementation of preparedness and response strategies. *Health Science Report*. 3;3(2):e153. Doi: <https://doi.org/10.1002/hsr2.153>.
46. Faiz Ullah Khan, **Zakir Khan**, Asim. ur. Rehman, Yu Feng (2020). Need of Guidelines and Antimicrobial Stewardship in Pakistan for Perioperative Surgical Practices to Prevent Surgical Site Infections. *Journal of College of Physicians and Surgeons Pakistan (JCPSP)*. 30(8):882-883. DOI: 10.29271/jcpsp.2020.08.882.
47. **Zakir Khan**, Khayal Muhammad, Yusuf Karataş Cagri Bilen, Farman Ullah Khan. (2020). Pharmacovigilance and incidence of adverse drug reactions in hospitalized pediatric patients: a mini systematic review. *Egyptian Pediatric Association Gazette*. Doi: <https://doi.org/10.1186/s43054-020-00038-8>. 68, 24.
48. Faiz Ullah Khan, **Zakir Khan**, Asim. ur. Rehman, Fazal Rabbi, Naveed Ahmed, Yu Fang (2019). Perception of Surgical Teams Towards Surgical Site Infections in Tertiary Care Hospital Islamabad, Pakistan. *Indian Journal of Surgery*. 82, 394–401. Doi: <https://doi.org/10.1007/s12262-019-01972-7>.
49. Sohail Kamran, Muhammad Saqlain, **Zakir Khan**, Sajid Mahmood, Hussain Ali, Nafees Ahmed, Kifayat Ullah Shah (2019). Cost analysis of registered brands of oral antidepressant drugs in Pakistan: A descriptive analysis. *Expert Review of Pharmacoeconomics and Outcomes Research*. 13:1-7. Doi: <https://doi.org/10.1080/14737167.2019.1666001>.
50. Hazir Rahman, Shakir Ullah Khan, Muhamamd Amjad Khan, Muhammad Qasim, Abdul Jabbar , Sadiq Noor, **Zakir Khan**, Taj Ali Khan, Mubbashir Hussain, Noor Muhammad, Nawab Ali (2017). Molecular detection of rifampicin resistance by GeneXpert assay among treated and untreated pulmonary tuberculosis patients from Khyber Pakhtunkhwa, Pakistan. *Journal of Global Antimicrobial Resistance*. 9:118-120. Doi: <https://doi.org/10.1016/j.jgar.2017.02.013>.
51. Usman Ali Khan, Hazir Rahman, Muhammad Qasim, Anwar Hussain, Azizullah Azizillah, Waheed Murad, **Zakir Khan**, Muhammad Anees, Muhammad Adnan (2015). *Alkanna tinctoria* leaves extracts: a prospective remedy against multidrug resistant human pathogenic bacteria. *BMC Complementary Medicine and Therapies*. 23:127. Doi: <https://doi.org/10.1186/s12906-015-0646-z>.
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EDITORIAL ROLE

Topic Coordinator role in a special issue of *Frontiers in Pharmacology* entitled “Pharmacoepidemiology and pharmacovigilance post-marketing drug safety studies” available at: <https://www.frontiersin.org/research-topics/54827/pharmacoepidemiology-and-pharmacovigilance-post-marketing-drug-safety-studies>.

CONFERENCE PRESENTATIONS

- **Oral Presentation** on "Adverse drug withdrawal reactions in pharmacovigilance data (panel: Understanding Adverse Drug Withdrawal Events in Deprescribing)" in the International Conference on Deprescribing (ICOD), Montréal, Canada (April 27 to 29, 2026).
 - **Oral Presentation** on "Adverse drug withdrawal reactions after medication discontinuation: An overview of reviews" in the International Conference on Deprescribing (ICOD), Montréal, Canada, (April 27 to 29, 2026).
 - **Oral Presentation** on "Withdrawal reactions after stopping medicines: what the evidence and data tell us" in School of Pharmacy and Biomolecular Sciences (PBS) seminar series at Royal College of Surgeons in Ireland, Dublin, Ireland (22 April, 2026).
 - **Oral Presentation** on "Evidence and understanding of adverse drug withdrawal events to improve medication safety" in Patient Safety Awareness Week 8-14th March 2026, organized by the DIAMOND programme, RCSI, Dublin, Ireland (9 March 2026)
 - **Oral Presentation** on "Overview of Pharmacovigilance" in International Pharmacovigilance seminar on 15th May, 2024 at Riphah Institute of Pharmaceutical Sciences (RIPS), Riphah International University, Gulberg Green Campus, Islamabad, Pakistan
 - **Oral Presentation** on "Pharmacovigilance and adverse drug reaction reporting knowledge, attitudes, practices and barriers of health care professionals: A multicentre cross-sectional study in Adana, Türkiye" in 22nd International Eastern Mediterranean Family Medicine Congress 2023 in Adana, Türkiye (11-14 May 2023).
 - **Oral presentation** on "Prescription Analysis and Factors Affecting Prescribing for Elective Surgeries in Tertiary Care Hospitals of Islamabad, Pakistan" in the international conference on "Current and Emerging Diseases" held at Maltepe University, Istanbul, Türkiye (16-17 May 2019).
 - **Oral presentation** on "Prescription Analysis and Factors Affecting Prescribing for Elective Surgeries in Tertiary Care Hospitals of Islamabad" in First national Conference on emerging trends in Pharmaceutical Sciences Organized by University of Malakand and Higher Education of Pakistan (HEC) in Malakand, Peshawar, KPK, Pakistan (9-11 November 2017).
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- **Poster presentation** on "Adverse drug withdrawal events reported in United States and European pharmacovigilance databases: a retrospective comparative analysis" in the International Conference on Deprescribing (ICOD), Montréal, Canada (April 27 to 29, 2026).
 - **Poster presentation** on "Adverse drug withdrawal reactions after medication discontinuation: An overview of reviews" at RCSI Research Day 2026 in Royal College of Surgeons in Ireland (RCSI), Dublin, Ireland (03 March 2026).
 - **Poster presentation** on "Exploring the impact of patient characteristics and reporting period on adverse drug withdrawal event signals in the FAERS Database: A stratified disproportionality analysis study" at ISPOR (The Professional Society for Health Economics and Outcomes Research) Europe 2025 in Scottish Event Campus (SEC), Glasgow, Scotland, United Kingdom (9-12, 2025).
 - **Poster presentation** on "Adverse drug withdrawal events reporting: Analysis of US and European pharmacovigilance databases" at 24th Annual Meeting of the International Society of Pharmacovigilance (ISoP 2025 Cairo) in Cairo, Egypt (October 24-27, 2025).

- **Poster presentation** on "Knowledge and Practices Related Drug Use in Breast Feeding Women in Turkey. A Safety Issue" in 7th International Conference on Patient Safety (ICPS 2024), Islamabad, Pakistan (10-11 May 2024).
 - **Poster presentation** on "Pharmacovigilance and Adverse drug reaction aspects among Turkish healthcare professionals" in the third International Innovation in Pharmacy Conference (September 23-24, 2022).
 - **Poster presentation** on "Evaluation of parental self-medication in children and associated factors: A cross-sectional study in Adana, Turkey" and obtained first position-Academic poster category award in Second International Innovation in Pharmacy Virtual Conference (17-18 September 2021).
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INVITED PRESENTATIONS

- Invited as a speaker at the Pre-Conference Workshop of “Medication Safety” at Pakistan Institute of Medical Sciences, (PIMS), Islamabad, Pakistan in a 7th International Conference on Patient Safety (May 10-11, 2024).
 - Invited as a Guest Speaker in the online Webinar Topic: The Future of Pharmacovigilance and Role of Healthcare Professionals. This online webinar was organized by the College of Pharmacy School of Health Science and Professions St. Dominic College of Asia, Philippines (November 13, 2021).
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ORGANIZING ACTIVITIES

- Organized one day International Seminar on “Current status and future perspective of Pharmacovigilance: a drug safety program at Riphah Institute of Pharmaceutical Sciences (RIPS), Riphah International University, Gulberg Green Campus, Islamabad, Pakistan (15 May, 2024).
 - Organized 01-day international workshop on “Global trends in pharmacy practice research and systematic review author training” at department of pharmacy Quaid-i-azam university, Islamabad (December 29, 2016).
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AWARDS

Marie Skłodowska-Curie European Postdoctoral Fellowships: School of Pharmacy and Biomolecular Sciences, Royal College of Surgeons in Ireland (2024-2026).

<https://cordis.europa.eu/project/id/101149577> (Total Funding: € 215 534.40)

Turkish Government Scholarship-YTB: PhD Fully Funded Scholarship (2018-2023).

Quaid-i-Azam University Fellowship: Tuition fee scholarship during M. Phil. (2015-2017).

First position-Academic poster category award: Second International Innovation in Pharmacy Virtual Conference held on 17-18 September 2021

RESEARCH PROJECTS

- **Adverse drug reactions reporting knowledge and barriers towards reporting among final year healthcare students— 2023-2024.** Supported under the BAP project (ÇÜ-BAP No: TSA-2023-15773), Çukurova University, Adana, Türkiye.
 - **Evaluation of knowledge, attitude, and behaviours towards pharmacovigilance and adverse drug reaction reporting among health care professionals— 2021-2023.** Supported under the PhD project (ÇÜ-BAP No: TDK-2021-14258), Çukurova University, Adana, Türkiye.
 - **Traditional and Complementary Medicine use and beliefs during COVID-19 outbreak: A cross sectional survey among the general population in Turkey— 2020-2021.** Supported by UN Sustainable Development Goals (Good Health and Well-Being).
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LIST OF STUDENTS SUPERVISED

During 2025, I co-supervised two MPharm Students (Padraig Cullen and Juliet Beatty) at the School of Pharmacy and Biomolecular Sciences, RCSI during their Clinical Research Skills Thesis.

During 2024-25, I co-supervised three M.Phil (Pharmacy Practice) students (WajeehaAli, Faiqa Imran and Omar Ali Omar) of Riphah International University, Islamabad, Pakistan.

During 2023-2024, I supervised two M.Phil (Pharmacy Practice) students (Muhammad Atteeque and Muhammad Uneeb Khan) at Riphah International University, Islamabad, Pakistan. These students are pursuing higher education and participating in research

During 2021-2022, I co-supervised four doctor of pharmacy (Pharm-D) students (Muhammad Asim, Ameer Hamza Farooq, Summaiya Hussain, and Faiza Rehman) at Abasyn University, Peshawar, Pakistan in their research projects. These students are pursuing higher education and participating in research

TRAINING COURSES

- Training: Social media for Researchers (Online) offered by the Communications Department, RCSI on 26 May, 2026.
 - Attended 01-day "National office of Clinical Audit Annual conference 2026 (6 CPD credits)" at the Royal College of Surgeons in Ireland on 21th April 2026.
 - Attended the 01-day "National Healthcare Outcomes Conference (5 CPD credits)" at the Royal College of Surgeons in Ireland on 10th February 2026.
 - Training course on "Introduction to pharmacoepidemiology and benefit-risk assessment for medicinal products (In-person)" held during the 24th Annual Meeting of the International Society of Pharmacovigilance (ISoP 2025 Cairo) in Cairo, Egypt on 24th -27th, 2025.
 - Short course on "Methods and new initiatives for signals detection (Online)" offered by Eu2P - European programme in Pharmacovigilance and Pharmacoepidemiology, the Université de Bordeaux, France on 6th October, 2025.
 - Introduction to Qualitative Methods (Online)" offered by the Edinburgh Clinical Research Facility, The University of Edinburgh, Scotland held from 22nd September- 08th October, 2025.
 - Introduction to Hypothesis Testing (In-person) training offered by RCSI Data Science Centre on 11th June, 2025
 - 5-month Open Research Course (January – May, 2025) offered by RCSI School of Postgraduate Studies
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- Writing for Publication (Online-Part 2) training offered by RCSI Staff Learning and Development on 10th June, 2025
 - Writing for Publication (Online-Part 1) training offered by RCSI Staff Learning and Development on 9th June, 2025
 - Introduction to Survey Research (Online) training offered by RCSI Staff Learning and Development on 29th May, 2025
 - Basic Analysis Using Stata (In-person) training offered by RCSI Data Science Centre on 14th May, 2025
 - Effective Report Writing training offered by RCSI Staff Learning and Development on 13th May, 2025
 - Introduction to Stata (In-person) training offered by RCSI Data Science Centre on 8th April, 2025
 - MS Word Advanced Document Management training offered by RCSI Staff Learning and Development on 18th March, 2025
 - Introduction to Meta-Analysis (In-person) training offered by RCSI Data Science Centre on 13th March, 2025
 - MS Excel Pivot Tables training offered by RCSI Staff Learning and Development on 4th March, 2025
 - Research Integrity: Specialist Epigeum Online Course System with a score of 90% on 17th February 2025.
 - MS Excel Advanced Data Management (Part 2) training offered by RCSI Staff Learning and Development on 6th February, 2025.
 - MS Excel Advanced Data Management (Part 1) training offered by RCSI Staff Learning and Development on 4th February, 2025.
 - 3 hours Designing and Enhancing your Presentation in PowerPoint training (part 2) on 3th December, 2024
 - Online course Introduction to systematic reviews and critical appraisal held from the 18th – 29th November, 2024 by the Centre for Reviews and Dissemination, University of York.
 - 3 hours Designing and Enhancing your Presentation in PowerPoint training (part 1) on 28th November, 2024
 - Developing Professional Networks training offered by RCSI Staff Learning and Development on 30th October, 2024
 - Completed online course entitled “Introduction of Pharmacovigilance” offered by World Health Organization-Uppsala monitoring center on 16th October 2021.
 - Attended a lecture related to “Vaccinovigilance of COVID-19 Vaccine” organized by giving back to Pharmacy in Pakistan on 17th September 2021.
 - Attended 02 days online course (2 CME Credit Hours) entitled “Nutrition Support Pharmacy Services” on 30 and 31 July 2021, organized by Shifa International Hospital LTd. In Collaboration with Shifa Foundation.
 - Completed a twelve (12) weeks online course (from 26th April to 23rd July 2021) on “Clinical Pharmacology and Pharmacometrics” organized by Pharmacometrics Africa, hosted by CREATES Strathmore University, Nairobi, Kenya.
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WORKSHOPS/SEMINARS/CONFERENCES

- ISoP Mid-Year Symposium on "Collaboration in Pharmacovigilance in an evolving information environment" in collaboration with the University of Hertfordshire, UK on 9th – 10th June, 2026.
 - Online 2-days JBI Scoping Review workshop offered by the Joanna Briggs Institute Collaborating Centre, Robert Gordon University, Scotland on September 24-25, 2025.
 - A half-day conference on Ageing medicine: From clinical insight to ageing better organized by RCSI School of Population Health on 25th June, 2025.
 - International Education Forum 'Innovating for a Healthier Future' organised by the Office of the Deputy Vice Chancellor for Academic Affairs RCSI University of Medicine & Health Sciences on 23rd – 25th June 2025 (RCSI CPD Credits Awarded: 4.5).
 - Research Seminar Series (Guest Speaker - Dr Justin Turner, Monash University, Australia) on 20th, June 2025.
 - Half day online workshop on Managing your Research Project training with Dr. Margaret Collins on 8th May, 2025.
 - PBS Seminar Series and RCSI Pharmacy Society Special Astropharmacy Event (Guest Speaker - Dr Li Shean Toh, University of Nottingham, UK) on 11th April, 2025.
 - RCSI Medical Professionalism Annual Conference 2025 'Team Work in Healthcare' Hosted by RCSI Medical Professionalism on 11th April 2025 (Accredited by RCSI for 6 CPD Credits).
 - National Healthcare Outcomes Conference organised by Conference & Events Department, RCSI on 8th April 2025 (RCSI CPD Credits Awarded: 5 CPD credits).
 - PBS Seminar Series: Focus on public and patient involvement (PPI) on 25th March, 2025.
 - Attended online MCAA Annual Conference & General Assembly 2025 on March 21–22, 2025.
 - Research Seminar Series organised by the School of Pharmacy and Biomolecular Sciences, RCSI on 4th March, 2025.
 - Grant Writing Workshop 2 organised by the RCSI Grant Writing Team on 26th March, 2025.
 - Workshop on MSCA Postdoctoral Fellowships: Identifying top candidates & writing winning proposals at RCSI on 9th January, 2025
 - Grant Writing Workshop 1 organised by the RCSI Grant Writing Team on 29th January, 2025.
 - Inkscape Computer Workshop organised by the RCSI Staff Learning and Development on 23th January, 2025
 - Research Seminar Series organised by the School of Pharmacy and Biomolecular Sciences, RCSI on 21th January, 2025.
 - Innovation Quarterly Workshop with Mark Barrett organised by RCSI on 19th December, 2024.
 - Research Seminar Series organised by the School of Pharmacy and Biomolecular Sciences, RCSI on 12th December, 2024.
 - Research Seminar Series organised by the School of Pharmacy and Biomolecular Sciences, RCSI on 13th November, 2024.
 - Research Seminar Series organised by the School of Pharmacy and Biomolecular Sciences, RCSI on 15th October, 2024.
 - Attended 7th International Conference on Patient Safety (ICPS) held on May 10-11, 2024, Islamabad, Pakistan.
 - Attended 02 days online conference "Early Phase Clinical Trials Symposium" on 18 and 19 November 2021.
 - Virtual live Keystone Symposia eSymposia meeting, "Antibodies and Vaccines as Drugs for COVID-19," from January 13-14, 2021.
 - 02 days international conference on "Current and Emerging disease" at Maltepe University, Istanbul, Turkey (16-17, May 2019).
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- 02 days training workshop organized by Punjab pharmacy council, Lahore Pakistan (December 31, 2016 – 1 January 2017).
 - 03 days 1st national Conference on “emerging trends in Pharmaceutical Sciences” organized by University of Malakand and Higher Education of Pakistan (HEC) in Malakand, Peshawar, Khyber Pakhtunkhwa, Pakistan (9-11 November 2017).
 - 01-day workshop on current trends in pharmacy practice! at Quaid-i-Azam university Islamabad Pakistan (December 29, 2016).
 - 02 days participation in 7th Annual Public Health Conference 2016 (December 13-14, 2016).
 - 01-day Seminar on Scientific Presentation: Deliver and Design like a Pro! at Quaid-i-Azam University Islamabad Pakistan (November 10, 2016).
 - 03 days 10th Biennial International Conference of Pakistan Society for Microbiology at MMG, Punjab University, Lahore, Punjab, Pakistan (March 25-28, 2015).
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SKILLS AND COMPETENCIES

Social package for social science (SPSS) software analysis; STATA software, R Software; Microsoft Office; Microsoft Excel; Scientific writing (manuscript drafting); Prospective and retrospective studies; Design of Questionnaire/Survey for research purpose; interviews-based studies; Pharmacovigilance activities (Signal management, Adverse drug reactions reporting form methods and analysis); Supervising and mentoring skills; Communication skills; Leadership skills

REVIEWER RESPONSIBILITIES

1. Dove Press Journal: Drug, Healthcare and Patient Safety
 2. Dove Press Journal: International Journal of General Medicine
 3. Dove Press Journal: Clinical Pharmacology: Advances and Applications
 4. BMC Health Services Research
 5. Frontiers in Public Health
 6. Expert Opinion on Drug Safety
 7. Hospital Pharmacy
 8. Journal of Pharmacy Practice
 9. International Journal of Pharmaceutical Research
 10. Expert Review of Pharmacoeconomics & Outcomes Research
 11. Plos-One
 12. CUREUS
 13. World Journal of Pediatrics
 14. Pathogens and Global Health
 15. International Journal of Antimicrobial Agents
 16. Journal of Clinical Medicine (MDPI)
 17. Pakistan Journal of Medicine and Dentistry
 18. Journal of Clinical Pharmacy and Therapeutics
 19. Health services Insight
 20. Journal of Healthcare Leadership
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INTERNSHIPS EXPERIENCE

- Eight months Internship Training at Pakistan Pharmacy Council, Islamabad, Pakistan.
 - 28 days Internship Training at the Department of Pharmacy, Shaukat Khanum Memorial Cancer Hospital and Research center, Lahore, Punjab, Pakistan.
 - 40 days Internship Training at the Servaid Pharmacy, Tokar Niaz Baig, Lahore, Punjab, Pakistan.
 - 40 days Internship Training at the Department of Pharmacy, Jinnah Hospital, Lahore, Punjab, Pakistan.
 - 40 days Internship Training at Urban Pharmacy, K-Block, Valenshia, Lahore, Punjab, Pakistan.
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PERSONAL MEMBERSHIP

1. Member of Pakistan Pharmacist Association
 2. Registered Pharmacist at Punjab Pharmacy Council.
 3. American Society of Consultant Pharmacist
 4. American Pharmacist Association
 5. European Academy of Allergy and Clinical Immunology (EAACI)
 6. American Society for Microbiology
 7. Member of ISPOR - The Professional Society for Health Economics and Outcomes Research.
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LANGUAGES

Mother tongue(s): Pashto

Other languages: Urdu, Punjabi, Turkish, English

REFERENCES

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