

## ***DR. TARIQ ALI, PhD***

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### **CURRENT EMPLOYMENT:**

Working as **Associate Professor** (BPS-20) from June 01, 2016 till date in Department of Pharmaceutics, Faculty of Pharmaceutical Sciences, **Dow University of Health Sciences, Karachi.**

Working as **Chairperson**, Department of Pharmaceutics, Faculty of Pharmaceutical Sciences, Dow College of Pharmacy, Dow University of Health Sciences since April 21, 2018 till date.

### **EXPERIENCE:**

Worked in Faculty of Pharmaceutical Sciences, **Dow University of Health Sciences, Karachi as Assistant Professor** (BPS-19) from May 25, 2010 to May 31, 2016.

Worked in **GlaxoSmithKline Pakistan Limited** as Assistant Manager Production (D3) from July 01, 2008 to May 21, 2010.

Worked in **Reckitt Benckiser Pakistan Limited** as Production Executive (MMG 2) from Sept 03, 2002 – June 30, 2008.

Worked in **Aventis Pharma Pakistan Ltd.**, as "Contractual Pharmacist" in Sterile Production department from July 15, 2002 - Sept 02, 2002.

Worked in **Faculty of Pharmacy, University of Karachi** as "Research Fellow" from May 15, 2000 to May 31, 2002.

Worked in **Brookes Pharmaceutical Labs (Pak.) Ltd.**, as "Production Pharmacist" from Aug 26, 1999 - May 01, 2000.

### **EDUCATION:**

Doctor of Philosophy (**Ph.D**) 2014  
Faculty of Pharmacy,  
University of Karachi, Karachi, Pakistan  
(Title: Use of different polymers in the development of controlled release tizanidine tablets)

Master of Philosophy (**M.Phil**) 2002  
Faculty of Pharmacy,  
University of Karachi, Karachi, Pakistan  
(Title: Interaction studies of cefixime with NSAIDs and essential and trace elements)

Bachelor of Pharmacy (**B. Pharm.**) 1998  
Faculty of Pharmacy, University of Karachi, Karachi, Pakistan

### **LIAISON WITH INDUSTRY:**

1. Conducted a session on, "Data Integrity and Good Documentation Practices – Regulatory Guidelines" @Hudson Pharma Manufacturing Plant, Karachi on July 27, 2019.
2. Conducted a training session on "Halal-Pharmaceuticals – From concept to reality" to different pharmaceutical industries technical staff at United Medical & Dental College on July 10, 2019.
3. Conducted a training session on "GMP for pharmaceuticals – FDA standards" to different pharmaceutical industries technical staff at United Medical & Dental College on Feb 12, 2019.
4. Conducted a training session on "Good manufacturing practices for pharmaceutical products: main principles (WHO Technical Report Series, No. 986, Annex 2, 2014) to technical staff of Bosch and Linz Pharma (Pvt.) Ltd at Beach Luxury Hotel, Karachi on May 13, 2018.
5. Conducted a session on "Good Manufacturing Practices - 21 CFR" to technical staff of Herbion Pakistan (Jan, 2017)
6. A team member of Halal Surveillance audit for a National Pharmaceutical Industry (Dec 2015).
7. Presented a session on GMP to technical management staff of two reputed pharmaceutical industries at Pearl Continental Hotel, Karachi (Dec, 2014).
8. A team member of first "Halal Pharmaceuticals Certification" project (Jun-Dec 2014).
9. A team member of Halal Pharmaceuticals Audit conducted for a National Pharmaceutical industry (July 2014).

### **SUPERVISOR STATUS:**

HEC approved PhD supervisor since Feb, 2019

### **PHARMACY COUNCIL REGISTRATION:**

Registered with Pharmacy Council of Sindh in Register A. Registration # 1984

### **PROFESSIONAL ASSOCIATION:**

Member Pakistan Pharmacist Association (PPA) Sindh Branch Reg. No. 1607

### **BOARD OF STUDIES / BOARD OF FACULTY:**

Chairperson Board of Studies, Department of Pharmaceutics, DUHS  
Member Board of Faculty, Faculty of Pharmaceutical Sciences, DUHS

Member Board of Studies, Department of Pharmaceutics, Hamdard University.

Member Board of Studies, Department of Pharmaceutics, Jinnah University for Women, Karachi.

### **RESEARCH PUBLICATIONS:**

1. Wajiha Iffat, Sadia Shakeel, Ata Abbas Naqvi, Shehlla Imam, **Tariq Ali**, Shagufta Nesar, Riffat Yasmin, Faiza Qazi, Muhammad Faisal Khan and Madeeha Khan. Rational and experiential decision making preference of pharmacy students in Karachi, Pakistan. *African Journal of Pharmacy and Pharmacology*. Vol. 13 (12), pp. 151-155, 8 July, 2019
2. Tanweer Alam, Sultan Ayaz, Hina Rehman, **Tariq Ali**, Ayesha Sana, Samina Alam, Aymen Owais, Fatima Qamar, Safila Naveed & Anila Sharif, Post Marketing In-Vitro Pharmaceutical Equivalence of Cefaclor 100 Mg Capsule Available in Retail Pharmacies of Karachi, Pakistan, *Lat. Am. J. Pharm.* 38 (7): 1472-7 (2019) 2<sup>nd</sup> July, 2019
3. Mazhar Rasool Shah, Muhammad Iqbal Nasiri, Sohail Anwer, **Tariq Ali**, Kamran Zaheer, Kamran Ahmed, Muhammad Azeem, Muhammad Umair Saleem. Pharmaceutical Quality Assessment of Different brands of Moxifloxacin 400 mg Tablets available in Pakistan. *RADS J. Pharm. Pharm. Sci.* 2019; 7(1): 2-8. (10<sup>th</sup> June, 2019)

4. Wajiha Iffat, Najia Rahim, **Tariq Ali**, Muhammad H. Shoaib, Iyad Naeem Muhammad, Sidra Afzal, Madiha Moid, Formulation Development and Optimization of Rapidly Disintegrating Tablet (RDT) of Piroxicam 20 mg using Central Composite Design, *Lat. Am. J. Pharm.* 38 (6): 1160-7 (2019) 4th June, 2019 (W-category)
5. Muhammad Iqbal Nasiri, Rabia Ismail Yousuf, Muhammad Harris Shoaib, Kamran Zaheer, **Tariq Ali**, Kamran Ahmed, Faiza Qazi, Sohail Anwar. Formulation development and characterization of highly water soluble drug loaded extended release pellets prepared by extrusion-spheronization technique. *Journal of Coatings Technology and Research*, pp 1-15 (2019) <https://doi.org/10.1007/s11998-019-00211-8> Online on 31<sup>st</sup> May, 2019.
6. Sultan Ayaz, **Tariq Ali**, Hina Rehman, Aisha Sana, Samina Alam, Aymen Owais, Fatima Qamar Safila Naveed & Muhammad Usman., Comparative Evaluation of Leflunomide Brands available in Pakistani Market. *Lat. Am. J. Pharm.* 38 (5): 874-8 (2019) 2<sup>nd</sup> May, 2019
7. Farrukh Rafiq Ahmed, Muhammad Harris Shoaib, Rabia Ismail Yousuf, **Tariq Ali**, Kurt E. Geckeler, Fahad Siddiqui, Kamran Ahmed, Faaiza Qazi, Clay nanotubes as a novel multifunctional excipient for the development of directly compressible diclofenac potassium tablets in a SeDeM driven QbD environment. *European Journal of Pharmaceutical Sciences* 133 (2019) 214-227. (Online 02 April 2019)
8. Riffat Yasmin, Muhammad Harris Shoaib, Faaiza Qazi, Muhammad Iqbal Nasiri, **Tariq Ali**, Huma Ali and Farya Zafar. Formulation development and *in-vitro* evaluation of fast dispersible, taste masked Aceclofenac compacted pellets. *Pak. J. Pharm. Sci.*, Vol. 32, No.1, January 2019, pp.117-123.
9. Ali Saleem, Muhammad I. Nasir, Kamran Zaheer, Sohail Anwar, **Tariq Ali**, Humera Sarwar, Muhammad Azeem, Syed S.B. Naqvi. Comparative Pharmaceutical Equivalence Studies of Sofosbuvir 400 mg tablets Available in Pakistani Market. *Lat. Am. J. Pharm.* 37 (12): 2476-81 (2018)
10. Muhammad Raza, Syed Baqir S. Naqvi, Muhammad Iqbal Nasiri, **Tariq Ali**, Kamran Zaheer, Ali Saleem, Humera Sarwar, Muhammad Azeem, Pharmaceutical Analysis of Different Brands of Solifenacin Tablets Available in Pakistani Market, *RADS J. Pharm. Pharm. Sci.* 2018; 6(2): 152-156.
11. Madiha Moid, Sidra Afzal, Najia Rahim, **Tariq Ali**, Wajiha Iffat, Lubna Bashir, Shazia Naz, High performance liquid chromatographic method validation for determination of rosuvastatin calcium in tablet dosage forms, *Pak. J. Pharm. Sci.*, Vol.31, No.4, July 2018, pp.1577-1582.
12. Khan A. A, **Ali T**, Imran M, Ali S. A, Khan M. Understanding of Health Risks by the use of Energy Drinks Among Millennial Generation of Karachi, Pakistan. *Current Research in Nutrition and Food Sciences*, 5 (3), 247-256 (2017)
13. Wajiha Iffat, Najia Rahim, Sadia Shakeel, **Tariq Ali**, Shazia Naz, Lubna Bashir and Areeb bin Tariq. Prevalence of Dyslipidemia through screening among Karachities. *International Journal of Current Research.*, 9, (06), 52796-52799 (2017)
14. Wajiha Iffat, Muhammad H. Shoaib, Rabia I. Yousuf, **Tariq Ali**, Sadia Shakeel. Post Market In Vitro Release Profile Study and Cost Comparison of Different Nicorandil Brands Available in Karachi, Pakistan. *Lat. Am. J. Pharm.* 35 (3): 457-62 (2016)
15. **Tariq Ali**, Muhammad Harris Shoaib, Rabia Ismail Yousuf, Sabahat Jabeen, Iyad Naeem Muhammad & Asfia Tariq. Use of hydrophilic and hydrophobic polymers for the development of controlled release tizanidine matrix tablets. *Brazilian Journal of Pharmaceutical Sciences*, Vol. 50 (4), Oct/Dec 2014, pp 799-818.

16. Muhammad Fayyaz, Rabia Ismail Yousuf, Muhammad Harris Shoaib, **Tariq Ali**, Shazia Haider, Rabia Bushra, Nida Ashraf and Sohail Hassan. Method Development and validation for simultaneous determination of levofloxacin and diclofenac sodium in pharmaceutical dosage form, *Lat. Am. J. Pharm.* **34** (3): 562-9 (2015)
17. Muhammad Fayyaz, Rabia Ismail Yousuf, Muhammad Harris Shoaib, **Tariq Ali**, Iqbal Nasiri and Nida Ashraf. Quality evaluation and in vitro interaction studies between levofloxacin 250mg and diclofenac sodium 50mg tablets, *Pak. J. Pharm. Sci.*, Vol.28, No.1, January 2015, pp.119-128
18. Fakhshena Anjum, Sana Ghayas, **Tariq Ali**, Noor Jahan, Huda Qadeer and Anum Arshad, Awareness of epilepsy in pharmacy students in different universities of Karachi, Pakistan. *African Journal of Pharmacy and Pharmacology*. Vol. 8(10), pp. 278-283, 15 March, 2014
19. Sadia Shakeel, Muhammad H. Shoaib, Wajiha Iffat, Najia Rahim & **Tariq Ali**., Formulation Development and Optimization of Pioglitazone Hydrochloride Tablets Using Central Composite Design. *Lat. Am. J. Pharm.* **33** (3): 414-9 (2014)
20. **Tariq Ali**, Muhammad Harris Shoaib, Rabia Ismail Yousuf, Fahad Siddiqui, Huma Ali, Farrukh Rafiq Ahmed, Iyad Naeem Muhammad and Muhammad Fayyaz. Development and validation of a reverse phase high performance liquid chromatography (HPLC) method for determination of tizanidine in human plasma. *African Journal of Pharmacy and Pharmacology*. Vol. 8(7), pp. 199-205, 22 February, 2014
21. Muhammad Harris Shoaib, Rabia Ismail Yousuf, Fakhshena Anjum, Lubna Saeed, Sana Ghayas, **Tariq Ali**, Saeed Ahmed Siddiqui, Shazia Alam, Mehwish Rizvi, Sadia Zafar, Maqsood Ahmed and Zaib-un-Nisa, Survey based study on the use of non-prescription drugs among pharmacists and non-pharmacists. *African Journal of Pharmacy and Pharmacology*. Vol. 7 (38), pp 2652-2656, 15 October, 2013.
22. Azhar Hussain, Muhammad Hanif, Muhammad H. Shoaib, Rabia I. Yousuf, **Tariq Ali**, Iyad N. Muhammad, Liaqat Hussain, Muhammad Fayyaz & Nighat Shafi., Comparative studies of Ciprofloxacin 250 mg tablets available in Pakistani market. *Lat. Am. J. Pharm.* **32** (4): 484-9 (2013)
23. **Tariq Ali** et. al., Possible acceptability of wireless drug delivery system (WDDS) among chronic ailment patients in Karachi, Pakistan, *Journal of Drug Delivery & Therapeutics*; 2013, 3(1), 14-19
24. **Tariq Ali** et. al., Awareness on the impact of disposable syringes re-use and benefits of Auto-disable (AD) syringes in health care professionals and students in Karachi, Pakistan. *J App Pharm Sci.* 2012; 2 (12): 061-065.
25. **Tariq Ali** and Omair Anwar Mohiuddin, *In vitro* interaction study of cefixime with diclofenac sodium, flurbiprofen, mefenamic acid and tiaprofenic acid. *J. Chem. Pharm. Res.*, 2012, 4(6):2911-2918
26. Muhammad I.N., Shoaib M.H., Yousuf R.I., Hanif M., Jabeen S. & **Ali T.**, Formulation Development and Optimization of Cefuroxime Axetil tablets by Direct Compression Method and its Stability Studies. *Lat. Am. J. Pharm.* 31 (2): 271-8 (2012)
27. Muhammad Hanif, Muhammad Harris Shoaib, Rabia Ismail Yousaf, Iyad Naeem Muhammad, Ahmad Khan, **Tariq Ali** and Shahnila Sattar; Formulation development and optimization of nimesulide tablets by central composite design and effect of surfactants on dissolution studies. *Journal of Pharmacy Research* 2011,4(7),2447-2452

### **EXAMINER:**

M.Phil Viva examiner at Department of Pharmaceutics, Faculty of Pharmacy, Hamdard University, Karachi, Title: Development and evaluation of Oral Conventional Release Tablets of an Antispastic Agent Eperisone Hydrochloride. Sept 5, 2019.

M.Phil Viva examiner at Department of Pharmaceutics, Faculty of Pharmacy, Hamdard University, Karachi, Title: Development and validation of RP-HPLC Method for the simultaneous Determination of Sofosbuvir and Ledipasvir in Pharmaceutical Product. Sept 5, 2019.

M.Phil Thesis examiner at Department of Pharmaceutics, Faculty of Pharmacy, Hamdard University, Karachi, Title: Development and evaluation of Oral Conventional Release Tablets of an Antispastic Agent Eperisone Hydrochloride. May 15, 2019.

M.Phil Thesis examiner at Department of Pharmaceutics, Faculty of Pharmacy, Hamdard University, Karachi, Title: Development and validation of RP-HPLC Method for the simultaneous Determination of Sofosbuvir and Ledipasvir in Pharmaceutical Product. May 15, 2019.

M.Phil viva examiner at Department of Pharmaceutics, Jinnah University for Women, Karachi  
Title: Effect of surfactants on dissolution of carbamazepine tablets. April 28, 2018

M.Phil viva examiner at Department of Pharmaceutics, University of Karachi, Karachi  
Title: Formulation development of Dexibuprofen for Transdermal Drug Delivery. April 21, 2017.

M.Pharm thesis examiner at Department of Pharmaceutics, University of Karachi, Karachi. Sept 19, 2014  
Title: Effectiveness of Serum Electrolyte Panel (SEP) Monitoring for the Management of Dehydrated Gastroenteritis Patients”

### **QUALITY EVALUATIONS:**

Internal evaluator of MS/MPhil and equivalent Programs and PhD programs at DUHS (18<sup>th</sup>, 20<sup>th</sup> & 21<sup>st</sup> May, 2019).

Self Assessment Report (SAR) evaluator for PhD programs in Public Health, Institute of Biomedical Sciences at Dow University of Health Sciences (22<sup>nd</sup> Dec, 2018)

Program Reviewer for MS/M.Phil/M.D/PhD for DUHS (17<sup>th</sup> May, 2018)

Self Assessment Report (SAR) evaluator for M.Phil & PhD programs in Pharmaceutics, Faculty of Pharmacy, Hamdard University, Karachi (23<sup>rd</sup> July, 2018)

### **PEER REVEIWER:**

Research manuscripts reviewed for the following journals

1. Brazilian Journal of Pharmaceutical Sciences (Dec, 2018)
2. Journal of Chromatographic Science
3. RADS Journal of Pharmacy and Pharmaceutical Sciences
4. African Journal of Pharmacy and Pharmacology
5. British Journal of Pharmaceutical Research
6. Annual Research and Review in Biology
7. International Journal of Scientific Research in Knowledge
8. International Neuropsychiatric disease Journal
9. International Research Journal of Basic and Clinical Studies
10. Pakistan Journal of Pharmaceutical Research
11. Journal of International Research in Medical and Pharmaceutical Sciences

### **ONLINE CERTIFICATE COURSES:**

- “Advanced Instruction Strategies in the Virtual Classroom” offered through University of California Irvine offered through Coursera (May 7, 2020)
- “Learning to teach online” authorized by University of New South Wales offered through Coursera (May 17, 2020)
- “Epidemics, Pandemics and Outbreaks” authorized by University of Pittsburgh offered through Coursera (May 29, 2020)
- “Foundation of virtual instruction” authorized by University of California, Irvine offered through Coursera (June 3, 2020)
- “Covid 19 contact tracing” authorized by John Hopkins University offered through Coursera (June 21, 2020)
- “Design and interpretation of clinical trials” authorized by John Hopkins University offered through Coursera (July 8, 2020)

### **TEACHING OF SUBJECTS:**

Delivered lectures to graduate and post graduate level university students for the subjects

- Pharmaceutical Quality Management
- Industrial Pharmacy
- Pharmaceutical Technology
- Forensic Pharmacy
- Physical Pharmacy
- Pharmaceutical Preparation
- Instrumentation & Organic Chemistry

### **AUDITS:**

#### **In GlaxoSmithKline Pakistan Limited:**

- Coordinate for Level 1, Level 2 (Internal audits) for quality management system and GMP compliance.
- Level 3 (Global compliance audits) Audits for quality management system and GMP compliance.
- Coordinate for regulatory audits for local regulation and compliance.

#### **In Reckitt Benckiser:**

Coordinate for Global and Regional audits of Reckitt Benckiser Pakistan for

- a) Model Factory Audit
- b) Micro Risk Project Audit
- c) Safety Audit.

Coordinate for ISO certification audit

Coordinate for Federal Drug Inspector / Provincial Drug Inspector audits and visits.

Regularly coordinate for stock checks and system (JDE) audit conducted internally and externally.

### **VISITS:**

Attend a supply conference in Bhurban, Pakistan in March 2008 (Reckitt Benckiser)

Visit **SWEDEN** (Dec, 2009) for FAT of a machinery to be purchased for GSK, Pakistan.

**PRESENTATION AND TRAININGS CONDUCTED:**

Conduct a team activity on “ IMPOSSIBLE” in **NED University of Engineering and technology** in the event of MECE’10.

Present sessions to Reckitt Benckiser supply chain management staff on

- a) Risk Assessment
- b) Tablet Manufacturing Process
- c) Bioavailability

Present training session to production staff on

- a) Uniform Protocols
- b) Accidents and its awareness
- c) Status Labeling
- d) LOTO procedure

**CERTIFICATES, TRAININGS AND SEMINARS ATTENDED:**

Attended “Pharmacovigilance and Risk Management Conference” on June 9-10, 2020 (Online) by FDA, USA.

Attended “Generic Drugs Forum 2020” on April 15-16, 2020 (Online) by FDA, USA.

Attended “2019 Pharmaceutical Quality Symposium” on Oct 16-17, 2019 (Online) by FDA, USA.

Attended “2018 Complex Generic Drug Product Development Workshop” on Sept 12 & 13, 2018 (Online) by FDA, USA

Attended “Deeper Dive Webinar: Postmarketing drug safety and Inspection Readiness” on June 19, 2018 (Online) by FDA, USA

Attended “Regulatory Education for Industry REdI” Generic Drug Forum 2018, April 11 & 12, 2018 (Online) by FDA, USA

Attended Prescription Drug Labelling Conference Nov 1 & 2, 2017 (Online) by FDA, USA

Attended “Regulatory Education for Industry REdI” Generic Drug Forum 2017, May 9 & 10, 2017 (Online) by FDA, USA

Attended “Regulatory Education for Industry REdI” Pharmaceutical Quality Symposium 2016 , July 20-21, 2016 (Online) by FDA, USA

Attended “2<sup>nd</sup> Symposium on Bioequivalence and Bioavailability studies” at Dr. Panjwani Center for Molecular Medicine and Drug Research, ICCBS, University of Karachi. (Nov 18-19, 2014)

Attended a symposium on “Pharmacist, Your partner in health” at Aga Khan University, Karachi (Oct 17, 2015)

Pak-US workshop on “Applications of nanotechnology” by ICCBS, University of Karachi and US national Science Foundation. (May 29-30, 2012)

A certificate Course on “Research Ethics” at Aga Khan University, Karachi, conducted in collaboration with John Hopkins University, USA. (Sept 28 to Oct 10, 2009)

A session on “Total Quality Management System” conducted by RINA (Sept 6, 2012).

A seminar on “Combined role of doctors, pharmacists and nurses in health care management” by KM&DC and Abbasi Shaheed Hospital (cardiology department).

6<sup>th</sup> National Pharmacognosy Conference “Healthcare concerns and phytotherapies” by Pakistan Society of Pharmacognosy & Natural therapy (June 26, 2014).

A seminar on “Pharmacy, a unique profession” at Hamdard University, Faculty of Pharmacy.

“Train the trainer – GMP training program” on 24-09-2009 in GSK by Neil Cowen (Quality training Owner).

A course on “Social Compliance (SA 8000)” by Skill Development Council, Karachi (July 01 to Aug 26, 2007)

A course on “Production Management Tools and Techniques” by Skill Development Council, Karachi (April 22 to May 20, 2007)

A training course on “Understanding labor laws and policy” at Pakistan Institute of Management (PIM), Karachi. (Mar 27-Mar 30, 2006)

An awareness program on “Validation, Stability and Bioavailability” conducted by *Pharma Professional Services*. (Sept 23-24, 2005)

A workshop on "Recent Advancement in Psychopharmacology and its impact on the management of Psychiatric Illness." HEJ Research Institute of Chemistry, Karachi. (Feb 19 – Mar 01, 2001)

#### **COMPUTER LITERACY:**

- Microsoft word, Microsoft excel, Microsoft power point, Microsoft Outlook,
- JD Edward
- BPCS
- SPSS (Statistical calculation software)
- Design Expert ver 7.0 (formulation development software)
- Kinetica (Pharmacokinetic study software)
- DD-solver (Drug comparative study add-in)
- Chem-window
- R-Gui (Stab)