***CURRICULUM VITAE****(Last Updated 08/3/15)*

***Dr Ahmad Khan***

*B.Pharm, M.Phil (Pharmaceutics), PhD (Pharmaceutical Technology, Pharmacokinetics), R.Ph*

Assistant Professor of Pharmaceutics, Department of Pharmacy, Quid-I-Azam University Islamabad

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*Gomal House Chowck Bahadur Pur Rahim Yar Khan,Punjab, Pakistan*

***M.Phil, PhD Supervision***

HEC Approved Supervisor for M.Phil and PhD Students.

***LISCENSURE***

Registered Pharmacist (Pakistan) License # 003902-A/06

***RESEARCH TITLES***

**PhD Thesis**

“Formulation Development of Metoclopramide HCl Tablets and its IVIVC Studies”

**M.Phil Thesis**

“A Comparative In-Vitro Study of Synthetic and Natural Polymers Used in the Formulation of Sustained Release Matrix Tablets of Verapamil HCl”

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| **Personal Information** |
| |  |  |  |  | | --- | --- | --- | --- | | **Name:** | **Dr Ahmad Khan** | | | | **Father Name** | **Nazar Khan** | | | | **Discipline:** | Biological Sciences | **Institution:** | Quaid-i-Azam University | | **Gender:** | Male | **Department:** | Pharmacy | | **Specialization:** | Pharmacy/Pharmaceutics, Pharmacokinetics | **Present Position:** | Assistant Professor | | **Address:** | Department of Pharmacy, Quaid i Azam University Islamabad. | **City:** | Islamabad | | **Email:** | [ahmadkingsk@yahoo.com](mailto:ahmadkingsk@yahoo.com),  [ahmadkingsk@gmail.com](mailto:ahmadkingsk@gmail.com) | **Phone:** | 03003543361, 03006321813 | | **Passport No.** | WC 4103931 | **CNIC:** | 3130324163939 | |
| |  | | --- | | **Education History** | | |  |  |  |  | | --- | --- | --- | --- | | **Year** | **Degree** | **Field of Study** | **Institution/University** | | 1997 | Matric | Science | NADIK Science School DIK | | 2000 | F.Sc | Pre-Medical | Qurtuba Public School and College DIK | | 2005 | Bachelor in Pharmacy  (B-Pharmacy) | Pharmaceutics, Pharmacology, Pharmacognosy | Bahauddin Zakariya University Multan | | 2008 | M.Phil | Pharmaceutics  (The research area was Controlled Release Formulation Development of Verapamil HCl with Natural and Synthetic Polymers) | Bahauddin Zakariya University Multan | | 2012 | Ph.D | Pharmaceutics (Pharm.Tech)  (The key research area was In Vitro In Vivo Correlation, computer aided Optimization and Pharmacokinetic Evaluation of Metoclopramide HCl) | University of Karachi | | |
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| |  | | --- | | **Professional Experience** | | |  |  |  |  | | --- | --- | --- | --- | | **Institution/ Organization** | **Position / Job Title** | **Period** | | |  |  | **From** | **To** | | Department of Pharmacy, Quaid I Azam University Islamabad | Assistant Professor | 10/01/2013 | Till Date | | Department of Pharmacy, University of Karachi | PhD Research Scholar | 03/03/2009 | 12/04/2012 | | Department of Pharmacy, The University of Lahore | Lecturer | 08/25/2008 | 06/01/2009 | | GlaxoSmithKline | Medical Sales Executive | 10/01/2004 | 06/01/2008 | | |
| |  | | --- | | **Research Interests** | | 1. Formulation Design, Evaluation, and Optimization using Statistical and Neural Networking Algorithms. 2. Pharmacokinetics (PK), Pharmacokinetic Interactions and PK Variables.  3. Pharmacoeconomics.  4. Pharmacological and adverse effects of herbal drugs.  5. Enhancing the Oral Bioavailability of the Drugs with Low Solubility.  6. Experienced User of Pharmacokinetic Softwares such as Kinetica, WinNonlin, PK Fit, PK Analyst and Design of Experiment (DOE) Softwares such as Design Expert.  7. Experiences user of Statistical Softwares such as SPSS & MINITAB.  8.QIQQA.  9.LATEX.  10.R-LANGUAGE  11. Dissolution Data Analysis Software, DDSolver®.  12. Microsoft Windows.  13. Microsoft Office (Word, Excel, Power Point).  14. Internet, BASIC language.  15. Stability Software RGui®.  16. Bibliography/References Software, End-Note®. | |
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| |  | | --- | | **Publications in HEC Recognized Journals** | | |  | | --- | | 1. Samiullah Burki, Zeba Gul Burki, Javeid Iqbal, ***Ahmad Khan***, Muhammad Nadeem "**In-Vitro Activities of Linezolid and Co-Trimoxazole against Isolates of Diverticulitis: Breakpoint Determinations**" (2014) International Journal of Pharmacy Vol:14 pp:35-39 (Journal) | | **2. *Ahmad Khan***, Syed Baqir Shyum Naqvi, Muhammad Harris Shoaib, Rabia Ismail Yousaf, Jallat Khan, Muhammad Hanif and Asadullah Madni "**Validation and application of RP-HPLC method for the quantification of metoclopramide hydrochloride in oral formulations prepared for IVIVC studies**" (2012) Pakistan Journal of Pharmaceutical Sciences Vol:25 pp:135-140 (Journal)(IF-1.103) | | **3.**Muhammad Harris Shoaib, Rabia Ismail Yousaf, Muhammad Hanif, ***Ahmad Khan*** "**Pharmaceutical Quality Control Studies on Gatifloxacin 200 mg Tablets Available in the Pakistani Market**" (2011) Latin American Journal of Pharmacy Vol:30 pp:1922-1926 (Journal) (0.323) | | **4.**Muhammad Hanif, Nazar Muhammad Ranjha, Muhammad Harris Shoaib, Jahanzaib Mudasser, Rabia Ismail Yousaf, ***Ahmad Khan***and Muhammad Zia-Ul-Haq "**Preparation and Characterization and Release of Verapamil Hydrochloride from Polycaprolactone/ Acrilic Acid (PCL/AA) Hydrogels**" (2011) Pakistan Journal of Pharmaceutical Sciences Vol:24 pp:503-5011 (Journal) (IF-1.103) | | **5.**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**" (2011) Journal of Pharmacy Research Vol:4 pp:2447-2452 (Journal) | | **6.**Muhammad Hanif, M. Harris Shoaib, Rabia Ismail Yousaf, ***Ahmad Khan***, Sohail Anwar, Akhtar Rasul, Shahnila Sattar and Hafiz Muhammad Arshad "**Reverse phase high performance liquid chromatographic (HPLC) method for nimesulide tablets dosage form prepared for in vivo in vitro correlation (IVIVC) studies**" (2011) African Journal of Pharmacy and Pharmacology Vol:5 pp:2342-2348 (Journal) (IF-0.839) |   7. Muhammad Akram, Syed Baqir Shyum Naqvi, ***Ahmad Khan*** “**Design and Development of Insulin Emulgel Formulation for Transdermal Drug Delivery System and its Evaluation**.”(2013) Pakistan Journal of Pharmaceutical Sciences Vol:26 pp:323-332 (Journal) (IF-1.103) | | *8.* ***Ahmad Khan****, Muhammad Iqbal Ch, Muhammad Harris Shoaib, Jallat Khan, Gul Majid Khan Muhammad Hanif* **“Formulation Development and In Vitro Characterization of Sustained Release Matrix Tablets of Verapamil Hydrochloride Using Synthetic and Natural Polymers**” (2014) Latin American Journal of Pharmacy | | *9.* ***Ahmad Khan****, Baqir Shyum Naqvi, Muhammad Harris Shoaib, Jallat Khan, Rabia Ismail Yousaf, Muhammad Irfan, Kamran Hidayatullah, Maria Zafar”***Stability Studies of the Optimized Oral Metoclopramide Hydrochloride Tablet Formulations prepared for IVIVC studies**.” (2014) World Journal of Pharmaceutical Sciences | | *10.* ***Ahmad Khan****, Jallat Khan, Shoaib Sarwar* “**Stability Studies of the Optimized Oral Controlled Release Verapamil Hydrochloride Tablet Formulations**” (2014) International Journal of Pharmacy | | *11.* ***Ahmad Khan****, Baqir Shyum Naqvi, Muhammad Harris Shoaib, Jallat Khan, Rabia Ismail Yousaf*  "**'Formulation development & optimization of Metoclopramide HCl Tablets for future IVIVC Studies** " (2014) Latin American Journal of Pharmacy | | 12. ***Ahmad Khan***, Jallat Khan, Maria Zafar, Gul Majid Khan, Muhammad Irfan, Amjad Khan " **Formulation Development and Optimization of Intermediate Release Metoclopramide HCl tablets by Central Composite Rotatable Design for IVIVC Studies**" (2014) International Journal of Innovative Science and Modern Engineering | | *13.* ***Ahmad Khan****, Baqir Shyum Naqvi, Muhammad Harris Shoaib, Jallat Khan, Rabia Ismail Yousaf, Gul Majid Khan”***'Pharmacokinetic Study of Optimized Metoclopramide HCl formulations in Pakistani volunteers**.” (2014) Latin American Journal of Pharmacy | | *14.****Ahmad Khan****, Baqir Shyum Naqvi, Muhammad Harris Shoaib, Jallat Khan, Rabia Ismail Yousaf***' Bioequivance Study of Newly Developed Metoclopramide HCl Tablets in Healthy Male Pakistani Volunteers**.” (2014) Latin American Journal of Pharmacy | | *15.* ***Ahmad Khan****, Baqir Shyum Naqvi, Muhammad Harris Shoaib, Jallat Khan, Rabia Ismail Yousaf* **“Development of Level A In Vitro In Vivo Correlation in using Newly Developed Optimized Metoclopramide HCl Tablets”** (2014) Latin American Journal of Pharmacy | |
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| |  | | --- | | **Publications Accepted in HEC Recognized Journals** | | 1. Amina Riaz, ***Ahmad Khan***, Jallat Khan **“Stimuli responsive hydrogels as controlled and sustained drug delivery systems \_\_\_\_\_ a review.”** (2014)World Journal of Pharmaceutical Sciences. | | *2.* ***Ahmad Khan*, “Validation and Application of High Performance Liquid Chromatographic Method for the Estimation of Metoclopramide Hydrochloride in Plasma”** (2014) Pakistan Journal of Pharmaceutical Sciences**(Vol 28, No 6, November 2015)** | | 6. Muhammad Irfan, Sumeira Rabel, Pharm D; Quratulain Bukhtar, Pharm D; Muhammad Imran Qadir, PhD; Farhat Jabeen, PhD; ***Ahmed  Khan, PhD***, Title:  Orally disintegrating films: A modern expansion in drug delivery system, Saudi Pharmaceutical Journal | |
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| |  | | --- | | **Publications Submitted in HEC Recognized Journals** | | |  | | --- | | *1.****Ahmad Khan****, Jallat Khan, Muhammad Irfan, Asadullah Madni, “***High Performance Liquid Chromatographic Method for the Estimation of Verapamil Hydrochloride in Oral Tablet Dosage Forms”** (2014) Pakistan Journal of Pharmaceutical Sciences | | *2.* ***Ahmad Khan****, Muhammad Farhan Suhail, “****Formulation Development and Optimization of SustainedRelease tablets of Metoclopramide HCl”****(2014)* Die Pharmazie. | | *3.* ***Ahmad Khan****, “***Validation and application of RP-HPLC method for the quantification of TizinadineHydrochloride in oral formulations”***(2014)* J. Chem. Soc. Pak. | | **4. Abid Hussain**, Muhammad Akhlaq, Gul Majid Khan, ***Ahmad Khan***. Development of Novel Diclofenac Potassium Transdermal Hydrogels to Avoid Gastric Side Effects Associated with Oral Administration: Impact of Natural Oils as Penetration Enhancer. **Drug Development and Industrial Pharmacy.** | | **5. Abid Hussain,** Gul Majid Khan, Muhammad Akhlaq, ***Ahmad Khan***, Design and *in-vitro, ex-vivo* and *in-vivo* study of diclofenac potassium transdermal patch. **Korean Journal of pharmaceutical sciences.** | | **Muhammad Irfan** , Rabia Gulshan, M Phil; Ameer Fawad Zahoor, PhD; Muhammad Imran Qadir, PhD; Farhat Jabeen, PhD; **Ahmad Khan, PhD**; Muzzamil Ikram, M.B.B.S , Evaluation of matrix discs of terbutaline prepared through different techniques using a blend of hydrophilic and hydrophobic polymers, Journal of Drug Delivery Science and Technology-2015 | |  | | |
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| **Research Grants/Projects** |
| **1.** "Comparative Pharmacokinetic study of Metoclopramide HCl in Healthy volunteers and chemotherapy induced emesis patients in Pakistan"  (0.5 million)  **By:** HEC  (02/03/2013-12/03/2013)  ***Ahmad Khan (PI***) Gul Majid Khan (CoPI) |
| **2.** "Prototype and Scale-up levels formulation and evaluation of Nanoparticles decorated transfersomes based transdermal dosage forms for the treatment of Cutaneus Leshminiasis"  (13.725 million)  **By:** HEC  (Submitted to HEC- 15-5-2014)  Gul Majid Khan(PI)  ***Ahmad Khan (CoPI)*** |
| 3. “ Development and Characterization Controlled Release Tablets of Cephalosporins” (1.749477 million)  **By:** HEC  (Submitted to HEC- 15-5-2014)  Tofeeq u Rehman (PI)  ***Ahmad Khan (CoPI)*** |

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| **Conferences/Seminars/Workshops** |
| |  | | --- | | **1.** Seminar on "Hospital Pharmacy Practice"  Ziauddin University Clifton Campus Karachi (11/19/2009-11/19/2009)  [Local] | | **2.** Seminar on "OBESITY A Life Style Disease?"  Department of Physiology, University of Karachi (4/26/2011-4/26/2011)  [Local] | | **3.** Conference on "3rd International Symposium-cum-Training Course on Molecular Medicine and Drug Research"  PCMD, University of Karachi (1/3/2011-1/6/2011)  [Local] | | **4.** Seminar on "Pharmacy Profession A Tool To Enhance Patient Care"  Hotel Regent Plaza, Karachi (1/13/2011-1/13/2011)  [Local] | | **5.** Seminar on "CLINICAL PHARMACY PRACTICE An era of transition from theory to practice"  Ziauddin University Clifton Campus Karachi (4/23/2011-4/23/2011)  [Local] | | **6.** Conference on "9th International & 21st National Conference"  The Department of Chemistry, University of Karachi (3/14/2011-3/16/2011)  [Local] | | **7.** Seminar on "EndNote Software"  University of Karachi (4/6/2011-4/6/2011)  [Local] | | **8.** Seminar on "A five days Training Workshop On Scientific Research Tools (QIQQA, SPSS, LATEX, and R-LANGUAGE"  PASTIC, Quaid I Azam University Islamabad  (3/24/2014-3/28/2014)  [Local] | | **9.** Workshop on "2nd International Workshop on Pharmacy Practice and Clinical Pharmacy"  HEC and The Department of Pharmacy, Quaid I Azam University Islamabad (12/15/2014-12/19/2014)  [Local] | | **10.** Workshop on “1st International Workshop on Pharmacy Practice” The Department of Pharmacy, Quaid I Azam University Islamabad (03/11/2014-03/12/2014)  [Local] | | **11.** Seminar on "One Day International Seminar on Need for Action Plan for Pharmacy Practice in Pakistan"  Islamabad Hotel, Islamabad (5/12/2014-5/12/2014)  [Local] | | **12.** Workshop on "Three Day International Workshop On Innovation in Drug Discovery, Delivery and Pharmacy Practice"  COMSTECH, Islamabad  (5/13/2014-5/15/2014)  [Local] | | **13. Conference on “1st**International Conference on Recent Innovations in Pharmaceutical Sciences (ICRIPS-2015)” Ripha Institute of Pharmaceutical Sciences, Ripha International University Islamabad, Margala Hotel Islamabad (02/03/2015-02/05/2015)  [Local] | | **14.** Workshop on, ‘’3rdInternational  workshop on Pharmacy Practice/Clinical Pharmacy,   "Communication Skills in Pharmacy: An Art in Science" The Department of Pharmacy, Quaid I Azam University, Islamabad (03/18/2015-03/19/2015)  [Local] | | **Training Organized and Obtained** | | **14.** Workshop on "Hands On Training on Homogenizer, Humidity Chamber, Tablet Disintegrator, Tablet Hardness Tester, Tablet Friabilator, Shaking Water Bath & Ultrasonic Cleaning Water Bath"  Department of Pharmacy Quaid I Azam University Islamabad (10/23/2013-10/27/2013)  [Local] | | **15.** Workshop on "Hands On Training On Freeze Dryer, Distillation Apparatus, Incubator , Rotary Evaporator , Refrigerator Skin Storage & Centrifuge "  Department of Pharmacy Quaid I Azam University Islamabad  (10/28/2013-10/30/2013)  [Local] | | **16.** Workshop on "Hands On Training On Differential Scanning Calorimeter (DSC)"  Department of Pharmacy Quaid I Azam University Islamabad (10/31/2013-11/2/2013)  [Local] | | **17.** Workshop on "Hands On Training On All Purpose Equipment Complete & Single Punch Machine (Erweka Germany)"  Department of Pharmacy Quaid I Azam University Islamabad (1/2/2014-1/4/2014)  [Local] | | **18.** Workshop on "Hands On Training On Fully Automated Tablet Dissolution Machine (Erweka Germany)"  Department of Pharmacy Quaid I Azam University Islamabad (3/2/2014-3/10/2014)  [Local] | | **19.** Workshop on "Hands On Training On HPLC With Fraction Collector"  Department of Pharmacy Quaid I Azam University Islamabad (4/12/2014-4/24/2014)  [Local] | |

**Analytical Skills:**

In working of HPLC, DSC, Fully Automated Tablet Online Dissolution Machine, and UV Visible Double Beam Spectroscopy

**Courses Designed& Taught:**

**Pharmaceutical Tools**(PHM 819) For M.Phil and PhD students taught at Quaid I Azam University Islamabad.

**Scholarships/Awards/ Distinctions**

Regional and Zonal Star of the year 2006 in GSK for best performance in Vaccines Division

Winner of two Gold Medals on Best Performance

Winner of two Umrah Tickets on best Performance

**Examiners for M.Phil & PhD Thesis**

Approved Examiner and examined thesis of M.Phil and PhD Students

**Membership of Academic Bodies**

Member Board of Studies Department of Pharmacy the University of Poonch Rawalakot AJ & K

**Memberships of Societies**

1. Pakistan Pharmacist Association (**PPA**)
2. Member Punjab Pharmacy Council (**PPC**)
3. Canadian Society for Pharmaceutical Sciences (**CSPS**)
4. **Canadian Chapter of the Controlled Release Society (CC-CRS)**
5. **Member of the Controlled Release Society (CRS), USA**
6. International Society for the Study of Xenobiotics (**ISSX**)
7. International Pharmaceutical Federation (**FIP**)
8. Formulation Scientists Ireland (**FSI**)
9. [American Society of Health-System Pharmacists (**ASHP**)](https://www.google.com.pk/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&cad=rja&uact=8&ved=0CCoQFjAA&url=https%3A%2F%2Fwww.ashp.org%2F&ei=2NNbU4TvArKa0QWy7oDwAw&usg=AFQjCNHBKRxLgGMPBAejVH9oi5a0a5ICRg&sig2=VYHG4q9ZyvNRbexCHz4aBw&bvm=bv.65397613,d.d2k)**Member since:** July 26, 2011.

**References**

**Prof Dr Gul Majid Khan** Chairman Department of Pharmacy, Quid I Azam University Islamabad, Pakistan

**Prof Dr. S.Baqir S.Naqvi**, Department of Pharmaceutics, University of Karachi, Karachi, Pakistan

**Dr Muhammad Harris Shoaib**, Department of Pharmaceutics, University of Karachi, Karachi, Pakistan

**Dr Zulfiqar Ali** Research Scientist at NATIONAL CENTER FOR NATURAL PRODUCTS RESEARCH

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