

RESUME

Dr. Nadeem Irfan Bukhari, B.Pharm, M.Phil (Pharmaceutics), PhD (Pharm. Tech.)

Assistant Professor Pharmaceutics, University College of Pharmacy

University of the Punjab,
Allama Iqbal Campust, Lahore
PAKISTAN

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SELECTED RESEARCH INTERESTS/WORK EXPERIENCE

1. Particulate (micro- and nano- scale) delivery systems
2. Formulation design, evaluation and optimization using statistical and neural networking algorithms
3. Pharmacokinetics (PK), PK interactions and PK variables
4. Enhancing the oral bioavailability of the drugs with low solubility
5. Pharmacoeconomics and drug pricing.
6. Experienced user of Pharmacokinetic software such as WinNonlin[®], Kinetica[®], PKAnalyst, PK-Fit[®], etc and Design of Experiment (DOE) software, such as Design Expert[®] and artificial neural network (ANN) software, such as InForm[®] and NeuralPower[®]
7. Characterization, radiolabeling, quality control and dispensing of radiopharmaceuticals.
8. Experienced user of statistical packages, SPSS and MINITAB.
9. Teaching and professional experience of about 21 years.

ACADEMICS

Doctor of Philosophy (PhD) Pharmaceutics (Formulation development and Pharmacokinetics)

Universiti Sains Malaysia, June 2009. The key research area was Nanotechnology, Particulates (micro and nano-scale), Computer-aided optimization and Pharmacokinetic evaluation, etc of biodegradable biopolymer.

Master of Philosophy (M.Phil) in Pharmacy

M. Phil Pharmaceutics (2-years degree by research; Session 1988-90) from College of Pharmacy, University of the Punjab, Lahore (Pakistan), with 1st class.

Bachelor in Pharmacy (B.Pharmacy)

B. Pharmacy (4-years program; Session 1983-87) from Gomal University, Dera Ismail Khan (Pakistan), with 1st class.

Honors

1. First position amongst the successful candidates.
2. Award of President's Talent Scholarship through the Ministry of Health Pakistan.

Computer literacy

1. Microsoft Windows
2. Microsoft Office (Word, Excel, PowerPoint)
3. Internet, BASIC language, etc
4. Pharmacokinetic computer software. WinNonlin[®], Kinetica[®], PK-Fit[®], PK-Analyst[®], DX[®], InForm[®], NeuralPower[®], etc.
5. Statistics computer softwares (SPSS[®] and MINITAB[®])

PROFESSIONAL TRAININGS

1. Preparation and characterization of nano-/micr-particles. School of Pharmacy, University of London, UK.
2. Research Methodology and Statistical Techniques, Institute of Graduate Studies, University Sains Malaysia, Penang-Malaysia.
3. Occupational Safety and Health Course for Post Graduate Students. University Sains Malaysia.
4. Problem-based learning, University Sains Malaysia, Malaysia.
5. Training of SPSS at workshop, University of the Punjab, Lahore-Pakistan.
6. Faculty Orientation, University of the Punjab, Lahore-Pakistan.
7. Basics of Radiation Protection in clinical Environment from Shaukat Khanum Memorial Trust Cancer Hospital & Research Center, Lahore, Pakistan.
8. Six week training from Wyeth Laboratory (Pvt.), Ltd. Lahore, Pakistan.

LICENSURE

Registered Pharmacist (Pakistan) License # 000798-A/88

APPROVED RESEARCH SUPERVISOR

Higher Education Commission (HEC) of Pakistan has approved for supervision of Master and PhD research students.

MEMBERSHIPS/PROFESSIONAL/ASSOCIATIONS/COMMITTEES

1. Member International Society for the study of xenobiotics
2. Member, International Pharmaceutical Federation (FIP), Netherlands.
3. Member, Control Release Society (CRS), USA
4. Member, Pakistan Pharmacists Association, Pakistan
5. Member, Pakistan Hospital Pharmacists Association, Pakistan
6. Member Board of Studies, College of Pharmacy, University of the Punjab, Lahore (2008-2009)
7. Member Board of Studies, Lahore College of Pharmacy, Lahore

8. Member Inspection team for issuance of manufacturing license, Ministry of Health, Government of Pakistan, Islamabad.
9. Technical Expert for the recruitment of Hospital Pharmacist/Drug inspector, Punjab Public Service Commission, Lahore.
10. Member National Test Service

PROFESSIONAL POSITIONS

December 2, 2009 Ongoing

Assistant Professor in Pharmaceutics, University College of Pharmacy, University of the Punjab, Lahore, Pakistan

University of the Punjab, Lahore-Pakistan is oldest, prestigious and reputed South-Asian institute. College of Pharmacy was established as department in 1948. In 1977, it was raised to the level of Faculty of Pharmacy and later, during 2004, was upgraded to College of Pharmacy. It enrolls students not only from Punjab and elsewhere in the country, but also from abroad. This college is fully quipped to give the best possible education and training to the students of Pharmacy. The responsibilities included lecturing on Pharmaceutical Technology, Industrial Pharmacy, Pharmacokinetics, and Radiopharmacy. The other responsibilities included: In-charge Bioequivalence Centre, Editor, Pakistan Journal of Pharmacy, member Board of study and member Faculty board in the University College of Pharmacy, University of the Punjab, Lahore.

November 5, 2008 to December 1, 2009

Lecturer, Pharmaceutics, University College of Pharmacy, University of the Punjab, Lahore, Pakistan

The responsibilities included lecturing on Pharmaceutical Technology, Industrial Pharmacy, Pharmacokinetics, and Radiopharmacy. The other responsibilities included: In-charge Bioequivalence Centre, Editor, Pakistan Journal of Pharmacy, member Board of study and member Faculty board in the University College of Pharmacy, University of the Punjab, Lahore.

March 01, 2004* to November 04, 2008

Lecturer, Pharmaceutics, School of Pharmacy, International Medical University (IMU), Kuala Lumpur, Malaysia.

The IMU began in 1992 as the International Medical College, the first and at the time only private medical college in the Asia-Pacific region with 25 prestigious medical schools worldwide. The School of Pharmacy was started in 1996 in partnership with University of Strathclyde, Glasgow. University status was conferred on the College in 1999. In 2004, the school also started its own B. Pharm Honor degree and post graduation by research programs in biomedical fields. Task performing includes lecturing of Pharmaceutical Technology, Biostatistics for health professionals, Biopharmacy, Clinical Pharmacokinetics, conducting practicals, tutorials, setting exam questions, and conducting problems based learning (PBL) sessions, portfolios and computer aided learning (CAL) sessions for statistics computer packages. Has been

involved in curriculum development for Pharmaceutics, Radiopharmacy, Complimentary Medicines, Management of the Pharmacist and Statistics for health professional. Also conducting out-station student interviews and acting as semester and module coordinator. Developed and implemented the “Model Industrial Concept” in the University Promoted as Deputy Head, Department of Pharmaceutical Technology on January 1, 2008.

*Joined on June 08, 2004 due to the processing of Malaysian Immigration Department.

April 21, 2003 to February 27, 2004

Lecturer, Pharmaceutics, School of Pharmacy, University Sedaya College International, Malaysia.

The University College Sedaya International has been established in 1987 in private sector in Malaysia as college. It has been recognized by the Ministry of Education, Malaysia. Its School of Pharmacy is approved by Malaysian Board of Pharmacy and is affiliated with the Curtin University of Technology, Australia and Universiti Sains Malaysia, Malaysia. It provides franchised courses for Twining and External Degree Programs of the said institutes. Here took theory and practical classes for the Curtin University of Technology, Australia and Universiti Sanis Malaysia, Malaysia. The subjects lectured include Pharmaceutical Technology, Biopharmacuetics, Pharmaceutical Management & Marketing, and Radiopharmacy. Also supervised of research projects in Pharmaceutical Technology and was the member of Board of Studies, Curriculum Development & Revision Committee and of Admission committee.

January 09, 2001 – April 19, 2003

Lecturer Pharmaceutics, College of Pharmacy, University of the Punjab, Lahore, Pakistan.

The responsibilities included lecturing on Industrial Pharmacy, Pharmacokinetics, Pharmaceutical Administration, Management & Marketing and Radiopharmacy. Have also been undertook University-sponsored research. The other responsibilities included: In-charge, Industrial Laboratory; Computer & Multimedia Laboratory; Seminars, Invited Lectures & Workshops. Was the member, departmental Committee for Instrument Purchase and Publication Committee.

January 11, 1997 - January 08, 2001

Lecturer Pharmaceutics, Pharmacy Department, Islamia University of Bahawalput, Bahawalpur.

The Department of Pharmacy was established in 1991 for imparting Pharmacy education to students of Central Punjab. The responsibilities included delivering of lectures on Pharmacokinetics, Pharmacy Administration, Radiopharmacy and Industrial Pharmacy. Have been the In-charge of Industrial and Pharmaceutics Laboratories and Departmental Computer section. Involved in University-sponsored and University-Industrial collaborative research.

October 15, 1994 - January 09, 1997

Hospital Pharmacist/Radiopharmacist, Shaukat Khanum Memorial Trust Cancer Hospital & Research Center, Lahore.

At Pakistan's first cancer hospital, have been involved in establishment of Radiopharmacy laboratory, development of written laboratory protocols, devising quality assurance programs and training of technologists on practical aspects of Radiopharmacy. The responsibilities at the Nuclear Medicine Department included supervision of preparation and labeling, quality control and dispensing of the radiopharmaceuticals. Have been the In-charge, Radiopharmacy and Injection area. Actively participation in Radiopharmaceutical Research, training to the trainee Radiopharmacists, Member, Hospital Committee for Health and safety and of Departmental Committee for Quality Control. In the Hospital Pharmacy, responsibilities included: Receiving and processing of prescriptions and their dispensing, Setting up of Drug information Centre and Developing and implementation of drug bioequivalence screening programs.

Honors

Award of the certificate for dedicated services in SKMTCH & RC, Lahore.

November 25, 1990 - October 12, 1994

Medical Representative, Squibb Pakistan (Pvt.) Ltd.

Squibb is an American-based multinational Pharmaceutical concern, dealing with the manufacturing and marketing of antihypertensive, antibiotics, anxiolytics and multivitamins. Here duties included provision of technical and research-based information to medical profession and contribution in development of training materials for the medical representatives.

HONORARY AND PART TIME POSITIONS

May 1991* - December 1996*

Honorary lecturer, College of Pharmacy, University of the Punjab, Lahore.

Here duties included delivering of lectures on Biopharmaceutics, Pharmacokinetics, Pharmaceutical Marketing, Radiopharmacy, etc. Also assisted research work of M. Phil level students in the above-mentioned disciplines.

*A special permission was granted from each of above employer to deliver lectures and to be involved in the research programs in College of Pharmacy, University of the Punjab, Lahore as per request from this College.

September, 1988 - July 14, 1990

Part Time Medical Representative, Squibb (Pvt.) Ltd. The assignment was to provide the research-based information to medical profession.

EDITORIAL APPOINTMENTS

1. Editor Pakistan Journal of Pharmacy, Pakistan since 2008
2. Member Editorial board "Southern Medicine Review", New Zealand, 2007
3. Reviewer "International Journal of Pharmaceutics", UK 2005 – 2007, 2009 to present

4. Reviewer “Public Health, UK since 2009
5. Reviewer “Clinical Drug Investigation”, New Zealand 2005

GRANTS/SPONSORSHIPS

1. Ministry of Science and Technology (MOSTI), Malaysia award as Co-investigator for “Preparation and characterization of PLGA nanoparticles for delivery of cardiovascular drugs” 2008.
2. International Medical University, Research Grant as Co-investigator for “Tumor-targeted delivery of cytokine gene and oncogene-specific siRNA using bio-functionalized carbonate apatite nano-crystals” (Grant # IMU R044/2008).
3. International Medical University, Research Grant as Co-investigator for “Public understanding and attitudes towards epilepsy in urban areas of Klang Valley and Sibu” (Grant # B. Pharm. B01/05-Res(20)2008)
4. International Medical University, Research Grant as Co-investigator for “Evaluation of complementary and alternative medicine used among patients with diabetes mellitus” (Grant # B. Pharm. B01/05-Res(20)2008)
5. International Medical University, Research Grant as Co-investigator for “Effect of surfactants on lipophilicity parameters of selected model drugs” (Grant # B. Pharm. B01/05-Res(08)2008)
6. International Medical University, Research Grant as Co-investigator for “Effect of surfactants on lipophilicity parameters of selected model drugs” (Grant # B. Pharm. B01/05-Res(07)2008)
7. International Medical University, Research Grant as Principal Investigator for “Study of the effect of fitting (weighting) factors as computational variables for drug pharmacokinetics assuming different compartment models” (Grant # B. Pharm. B0105-Res (023)2008), 2008.
8. International Medical University, Research Grant as Principal Investigator for “Enhancement of tissue distribution of griseofulvin by a unique combination of drug with CTAB and inhibitor of first pass metabolism” (Grant # B. Pharm. B0105-Res 042008), 2008.
9. International Medical University, Research Grant as Principal Investigator for “Study on the combined effect of microwave and cross-linking on the release of paracetamol, a water soluble model drug from gelatin using optimization algorithms” (Grant # B. Pharm. B0105-Res 032008), 2008.
10. International Medical University, Travel Grant for poster presentation at Asian Association of Schools of Pharmacy (AASP) Conference. Manila, Philippines, October 25-28,, 2007.
11. International Medical University, Research Grant as Principal Investigator for “Study of the effects of microwave heating on the polymeric macromolecules” (Grant # B. Pharm. B0104-Res (21/2007). 2007.
12. International Medical University, Research Grant as Principal Investigator for “Improving the water solubility of drugs by using simple approach of employing surfactants” (Grant # B. Pharm. B0104-Res (20/2007). 2007.
13. International Medical University, Research Grant as Principal Investigator for “Development of nanoemulsion as a carrier for plasmid DNA delivery” (Grant # B. Pharm. B0104-Res (14/2007). 2007.

14. International Medical University, Research Grant as Principal Investigator for “Stannous chloride microparticles-formula optimization based on statistical computer-aided approach”. (Grant # B. Pharm. B0104-Res (13/2007). 2007.
15. International Medical University, Research Grant as Principal Investigator for “Preparation and characterization of polymeric particulate as an oral delivery system”. 2006.
16. Visiting Fellowship. School of Pharmacy, University of London, UK, from June 02 to July 01, 2005.
17. World Health Organization – Health Action International (WHO/HAI), Sponsorship grant for Project Meeting on Medicine Prices. University Sains Malaysia, Penang – Malaysia. 2005.
18. International Medical University, Sponsorship for Workshop on Research Methodology and Statistical Techniques at Institute of Graduate Studies, University Sains Malaysia, Penang-Malaysia. 2004.
19. International Medical University, Research Grant as Principal Investigator for “Evaluation of the user-friendliness of Pharmacokinetic software packages”. 2004.
20. World Health Organization-Health Action International (WHO-HAI), Grant for investigation of drug prices in various sectors in Malaysia, (as co-investigator), 2004.
21. Federation of the Universities of Islamic World (FUIW), Scholarship for post graduate research (2003-2004).
22. Research Sponsorship, Highnoon Laboratories, (Pvt.), Ltd., Lahore (Pakistan) for Bioequivalence study of enteric coated aspirin brands. 2001.
23. Galena, Czech Republic - The Kidney Centre, Rawalpindi (Pakistan) joint research sponsorship for Therapeutic Drug monitoring of and bioequivalence study on cyclosporin A, 2001.
24. University of the Punjab, Lahore, (Pakistan) research grant, as co-investigator for “comparison of various computer software packages for pharmacokinetics computation.” 2000.

AWARDS/ACHIEVEMENTS

1. Best poster award in Common wealth pharmaceutical association-Malaysia pharmaceutical association joint conference, Kuala Lumpur 2007.
2. The Sanggar Sanjung (Hall of Fame event) product silver medal award at Malaysia Technology Expo (MTE 2006) on “Nanoparticle coating for enhancing shelf life of herbal product”. (Awarded to Baie, S. (Principal Investigator), Ismail, Z., Bukhari, N.I (Co-researchers).
3. Bibliographic note published in Marquis “Who is Who in Science & Engineering”, USA, 2002.
4. South Asian Publications’ “XIth Star man Award 2000” based on credential par excellence.

INVITED SCIENTIFIC DISCUSSIONS/LECTURES

1. World Health Organization – Health Action International (WHO/HAI)’s Project Meeting on Medicine Prices. University Sains Malaysia, Penang – Malaysia, May 23 to 25, 2005.

2. Radipharms in School of Pharmacy, University College Sedaya International, Kuala Lumpur, Malaysia, 2004.
3. Scientific discussion, by Galena Pharmaceuticals, Czech Republic (Declined).
4. Drug Interactions and Monitoring of Adverse Drug Reactions at Punjab Pharmacy Council, Lahore - Pakistan.
5. Automation in Hospital Pharmacy at Punjab Pharmacy Council, Lahore - Pakistan
6. Biopharmaceutics and Pharmacokinetics in Lahore College of Pharmaceutical Sciences, Lahore - Pakistan.
7. Radiopharmacy in University College Sedaya International, Kuala Lumpur, Malaysia
8. Pharmaceutics (Biopharmaceutics, Pharmacokinetics and Pharmaceutical Management and Marketing from University of Faisalabad, Faisalabad.
9. Pharmaceutics (Physical principles) from Lahore Pharmacy College, Lahore

RESEARCH PUBLICATIONS

PhD Thesis

Exploring the potential of optimised starch particulates as platform for oral delivery of gastrolabile drug cefotaxime

M. Phil Thesis

Effect of different tranquillizers on the bioavailability of the cimetidine.

RESEARCH PUBLICATIONS

S. No	Authors and Research Paper	Journal	HEC category/ Impact Factor
	Amir, B., Fazal, S., Nisar, S., <u>Bukhari, N. I.</u> , Muhammad, S., Kifayat, S. “Once daily controlled release matrix tablet of prochlorperazine maleate: Influence of Ethocel® and/or Methocel® on <i>in-vitro</i> drug release and bioavailability” .	Drug Development and Industrial Pharmacy [Accepted].	W/0.964
	Dua, K., Pabreja, K., Ramana, M.V., <u>Bukhari, N.I.</u> “Preparation, characterization and <i>in vitro</i> evaluation of aceclofenac PVP-solid dispersions” .	Journal of Dispersion Science & Technology. [Accepted].	W/0.667
1	Tan, S. Y., Kan, E., Lim, W. Y., Chay, G., Law, J. H. K., Soo, G. W., <u>Bukhari, N. I.</u> , Segarra, I. “Metronidazole leads to enhanced uptake of imatinib in brain, liver and kidney without affecting its plasma pharmacokinetics in mice” .	Journal of Pharmacy and Pharmacology Volume 63, Issue 7, pages 918–925, July 2011.	W/1.742
2	Badshah, A., Subhan, F., Rauf, K., <u>Bukhari, N.I.</u> , Shah, K., Khan, S., Ahmed, Z., Khan, I. “Development of Controlled-Release Matrix Tablet of Risperidone: Influence of Methocel®- and Ethocel®-Based Novel Polymeric Blend on In Vitro Drug Release and Bioavailability” .	AAPS PharmSciTech; Online Date: 04/14/2011; DOI: 10.1208/s12249-011-9613-2.	W/1.19

RESEARCH PUBLICATIONS (*Continued...*)

S. No	Authors and Research Paper	Journal	HEC category/ Impact Factor
3	Hasan, S.S., Loon, W.C.W., Ahmadi, K., Ahmed, S.I., <u>Bukhari, N.I.</u> “Reasons, Perceived Efficacy and Factors Associated with Complementary and Alternative Medicine Use among Malaysian Patients with Diabetes Mellitus” .	British J Diab. Valcul Dis. 11(92): 2011. DPI. 10.1177/147465141039 8367.	
4	Hussain, A, <u>Bukhari, N.I.</u> , Hussain, K, Jamshaid, M., Ali, S., Tayyab, M., Ilyas, N. “Preliminary assessment of the prescribing errors in outpatient department of public sector teaching hospitals in Lahore” .	HealthMed Journal, 5(1): 101-105, 2011.	W/0.2
5	Ahmed, S.I., Hassali, M.A.A., <u>Bukhari, N.I.</u> , Sulaiman, S. A. “A comparison of HIV/AIDS-related knowledge, attitudes and risk perceptions between final year medical and pharmacy students: A cross sectional study” .	HealthMed Journal. 5(2): 317-326, 2011.	W/0.2
6	Shing, M.K., Shantini, R., Magdalene, T., Prasad, N., <u>Bukhari, N. I.</u> , Ignacio, S. Disposition and tissue distribution of imatinib in a liposome formulation after intravenous bolus dose to mice” .	Acta Pharmaceutica Sinica .45(7): 901-908, 2010.	W/0.670
7	Hussain, K., <u>Bukhari, N.I.</u> , Danish, M.Z., Saeed-ul-Hassan, S., Tanveer, M. “Adsorption of paracetamol on activated charcoal in the presence of dextropropoxyphene hydrochloride, N-acetylcysteine and sorbitol” .	Latin American Journal of Pharmacy. 29(6): 883-888, 2010.	W/0.309
8	Soo, G.W., Law, J.H.K, Shin, E.K., Tan, S.Y., Lim, W.Y., Chay, G., <u>Bukhari, N.I.</u> , Segarra, I. “Differential effects of ketoconazole and primaquine on the pharmacokinetics and tissue distribution of imatinib in mice” .	Anti-Cancer Drugs. 21(7):695-703, 2010.	W/2.23
9	Zeeshan, F., <u>Bukhari, N.I.</u> “Development and Evaluation of a Novel Modified-Release Pellet-Based Tablet System for the Delivery of Loratadine and Pseudoephedrine Hydrochloride as Model Drugs” .	AAPS Pharm. Sci. Tech. 11(2):910-916, 2010.	W/1.19
10	Teoh, M., Radhakrishnan, S., Moo, K.S., Narayanan, P., <u>Bukhari N. I.</u> , Segarra, I. “Pharmacokinetics, tissue distribution and bioavailability of Imatinib in mice after administration of a single oral and an intravenous bolus dose” .	Latin American Journal of Pharmacy 29 (3): 428-435, 2010	W/0.309
11	Teoh, M., Narayanan, P., Moo, K.S., Radhakrisman, S., Pillappan, R., <u>Bukhari, N.I.</u> and Segarra I. “HPLC determination of imatinib in plasma and tissues after multiple oral dose administration to mice” .	Pakistan Journal of Pharmaceutical Sciences. 23(1): 35-41, 2010	W/0.825

RESEARCH PUBLICATIONS (*Continued...*)

S. No	Authors and Research Paper	Journal	HEC category/ Impact Factor
12	Hasan, S.S., Ahmed, S.I, <u>Bukhari, N.I</u> Loon, W.C.W. “Use of complementary and alternative medicine among patients with chronic diseases at outpatient clinics” .	Complementary Therapies in Clinical Practice. 15(3): 152-157, 2009.	
13	Chakravarthi, S., Thani, P.M. Nagaraja, H.S., Yang, W.D.L. and <u>Bukhari, N.I</u> . “Assessment of proliferative index and its association with Ki-67 antigen molecule expression in nodular hyperplasia of prostate” .	Indian Journal of Science and Technology. 2(8):1-4, 2009.	X
14	Chakravarthi, S., Husin, L.T., Thani, P.M. and <u>Bukhari, N.I</u> . “A study of the significance of apoptosis and its association with abnormalities in expression of BCL-2 proto-oncogene in benign nodular hyperplasia of prostate” .	Research Journal of Biological Sciences. 4(7): 836-841, 2009.	X
15	Baber, Z.D., Ibrahim, M.I.M., Singh, H., <u>Bukhari, N.I</u> , Creese, A. “Evaluating drug prices, availability, affordability and price components: implications for access to drugs in Malaysia” .	PLoS Medicine. 4 (3), 0466-0475, 2007.	W/13.05
16	Babar, Z D., <u>Bukhari N.I</u> , Sawar W., Efendie B., Pereira R., Muhammad, MHN. “A preliminary study on the effect of pharmacist counseling on awareness of and willingness to quit smoking in Malaysian population” .	Pharmacy World and Science. 29(3):101-103, 2007.	W/0.919
17	<u>Bukhari, N.I.</u> , Tahir, M., Jamshaid, M. “Comparative seroconversion rates after vaccination with genetically derived and plasma pooled derived vaccines in normal adult volunteers” .	Therapie. 60 (3), 311 – 316, 2005.	W/0.421
18	<u>Bukhari, N.I</u> , Zafar, A., Shamsi, W.R., Bashir, M.A., Raza, A.A. “Bioequivalence assessment of enteric-coated aspirin brands (Nu-seals and Loprin) after a single oral dose of 150 mg in healthy male adults” .	Therapie. 60 (2): 167 – 173, 2005.	W/0.421
19	Babar, Z.U., Ibrahim, M.I.M., <u>Bukhari, N.I</u> . “Medicine utilisation and pricing in Malaysia: The findings of a household survey” .	Journal of Generic Medicine. 3(1): 47-61, 2005.	X
20	Baber, Z.U., Ibrahim, M.I.M., <u>Bukhari, N.I</u> . “A pricing analysis of cardiovascular and blood products after privatization of drug distribution system in Malaysia” .	Journal of Pharmaceutical Finance, Economics and Policy. 14 (3): 3 – 25, 2005.	X
21	Baber, Z.U., Ibrahim, M.I.M., <u>Bukhari, N.I</u> . “Effect of privatization of the General Medical Store on the prices of anti-infectives in Malaysia” .	Journal of Pharmaceutical Finance, Economics and Policy. 13 (3): 3 – 32, 2004.	X

RESEARCH PUBLICATIONS (*Continued...*)

S. No	Authors and Research Paper	Journal	HEC category/ Impact Factor
22	Jamshaid, M., Yousuf, S., <u>Bukhari N.I.</u> , Rizvi, A.A. “Relative pharmacokinetics of three amikacin brands in onco-hemotologic pediatric patients experiencing febrile neutropenia” .	European. Journal of Drug Metabolism and Pharmacokinetics. 28(1): 1-6, 2003.	W/0.677
23	<u>Bukhari, N.I.</u> , Jamshaid, M., Qamar, S., Ahmad, M., Muzaffar, N.A. “Pharmacokinetics of piroxicam in rabbits in the local environment following a single oral dose” .	Journal of Biosciences. 14 (2): 67-73, 2003.	X
24	Ahmad, M., <u>Bukhari N.I.</u> “Bioavailability and pharmacokinetics of erythromycin in rabbits after intravenous and oral administration” .	Journal of Biosciences. 13 (1): 39-42, 2002.	X
25	<u>Bukhari, N.I.</u> , Yousuf, S., Jamshaid M., Mustafa, M. “Pharmacokinetics of amikacin in febrile neutropenic paediatric patients with acute lymphoblastic leukaemia” .	Turkish. Journal of Cancer. 31(3): 114-120, 2001.	X
26	Ahmad, M., <u>Bukhari, N.I.</u> , Akhtar, N. “Disposition kinetics of amoxicillin from urinary excretion data in normal human volunteers in Pakistan” .	Kuwait Medical. Journa). 33(3): 226-228, 2001.	X
27	Yar, M., Ahmad, M., <u>Bukhari N.I.</u> , Khawaja, N.A. “Pharmacokinetics of oxytetracycline in sheep after various intravenous doses” .	Turkish Journal of Veterinary and. Animal Sciences. 24(2): 135-138, 2000.	W/0.342
28	Ahmad M., Akhtar, N., <u>Bukhari N.I.</u> , Naqvi, N.H. “Disposition kinetics of amoxicillin in normal and fasted human volunteers by urine excretion data” .	Gazi Medical. Journal. 11: 159-163, 2000.	X
29	Ahmad M., Ahmad, T., <u>Bukhari N.I.</u> “Disposition kinetics of erythromycin in normal and experimentally-induced febrile rabbits” .	European. Journal of Drug Metabolism and Pharmacokinetics. 24(2): 127-132, 1999.	W/0.677
30	<u>Bukhari, N.I.</u> , Ahmad M., Raza, A., Qamar, S., Jamshaid, M. “Comparative bioavailability of raw materials for mefenamic acid” .	Archives of Pharmacal Research. 22(5): 1-3, 1999.	W/1.159
31	Qamar, S., <u>Irfan, N.</u> , Ahmad, M., Jamshaid, M., Muzaffar, N.A. “Effect of dehydration on the pharmacokinetics of mefenamic acid” .	Turkish Journal of Medical Sciences. 29: 101-104, 1999.	W/0.163
32	<u>Bukhari, N.I.</u> , Ahmad, M., Qamar, S., Jamshaid, M. “Changes in the Pharmacokinetics of piroxicam in dehydrated rabbits” .	Acta Pharmaceutica. Turcica (Turkey) XLI (2): 54-57, 1999.	X
33	<u>Bukhari N.I.</u> , Ahmad, M., Qamar, S., Jamshaid, M. “Comparative bioavailability and pharmacokinetics of mefenamic acid in normal and febrile rabbits” .	Journal of Bioscience. 9 (1&2): 1-6, 1998.	X

RESEARCH PUBLICATIONS (*Continued...*)

S. No	Authors and Research Paper	Journal	HEC category/ Impact Factor
34	Raza, A., <u>Irfan, N.</u> , Ahmad, M., Qamar, S. “Influence of raw materials of different origins on the bioavailability and pharmacokinetic properties of ibuprofen in human volunteers” .	Acta Pharmaceutica Turcica. XXXX (2): 63-65, 1998.	X
35	<u>Bukhari, N.I.</u> , Nawazash-I-Hussain, S., Jamshaid, M “Evaluation of ^{99m}Tc- complexes to access local cerebral blood flow” .	Pakistan Journal of Pharmacy. 11-15 (1 & 2) 97-107, 1998.	Z
36	Rashid, A., Ahmad, M., <u>Bukhari, N.I.</u> “Biotransformation of sulphadiazine in fasting human volunteers” .	Pakistan Journal of Pharmacy. 11-15 (1 & 2) 39-45, 1998.	Z
37	<u>Bukhari, N.I.</u> , Ahmad, M., Qamar, S. “Effect of Geonetics on the Bioavailability and disposition kinetics of mefenamic acid” .	FABAD Journal of Pharmaceutical Sciences. 23(3): 95-98, 1998.	X
38	Qamar, S., Ahmad, M., <u>Irfan, N.</u> , Muzaffar, N.A. “Induction of various experimental conditions and their effect on the physiological and biochemical parameters” .	Hamdard Medicus. XLI (1): 98-104, 1998.	Y
39	Qamar S., <u>Irfan, N.</u> , Ahmad, M., Jamshaid, M., Muzaffar, N.A. “Effect of diabetic conditions on the bioavailability and pharmacokinetics of mefenamic acid” .	Tokai Journal of Experimental and Clinical Medecines. 22(4): 163-166, 1997.	X
40	Qamar, S., <u>Irfan, N.</u> , Ahmad, M., Muzaffar, N.A. “Effect of endotoxin-induced pyrexia on the physiological, biochemical and pharmacokinetic parameters of piroxicam” .	Chinese Pharmaceutical Journal. 49(3): 185-193, 1997.	X
41	Akhtar, N., Ahmaed, M., <u>Bukhari, N.I.</u> “Comparative bioavailability of sulfamethoxazole in three formulations of cotrimoxazole suspension” .	Pakistan Journal of Pharmaceutical Sciences. 10 (2): 29-33, 1997.	W/0.825
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47	Muzaffar, N.A., <u>Irfan, N.</u> , Ahmed, B., Jamshaid, M., Khan, Z.A. “Effect of different tranquilizers on the bioavailability of cimetidine” .	Pakistan Journal of Pharmacy. 4 (1 & 2): 1-8, 1991.	Z

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- Babar, Z.D., Ibrahim, M.I.M. Singh, H. Bukhari, N.I. **“The Reality of Medicine Price in Malaysia”**. Universiti Sains Malaysia Press. 2010.
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28. Saringat H.B., Bukhari, N.I. “**Nanoparticle coating for enhancing the self-life of herbal product**”. Malaysian Technological exposition, February 23-25, 2006, Kuala Lumpur, Malaysia [Poster].
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31. Baber, Z.U., Ibrahim, I.M., Bukhari, N.I., Opabola, SB, Bahari, M.B. “**Medicine utilization and pricing: The findings of household survey in Malaysia.**” 4th UiTM-MPS Pharmacy Scientific Conference, Kuala Lumpur (Malaysia). August 6-8, 2004. [Poster]
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34. Yeong, S.W., Effendie, B.F., Bukhari, N.I., Baber, Z.U. “**Public view of the role of Pharmacists**”. [Poster Presentation] Conference on Pharmacy in Post-genomic Era, from research to practice. MPS Pharmacy Scientific Conference. Kuala Lumpur (Malaysia). 10 – 12 October, 2003.
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39. Bukhari, N.I. **“Applications of Pharmacokinetics”** at workshop organized by College of Veterinary Sciences, Lahore-Pakistan, 14 to 20 June, 2001.
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41. Bukhari, N.I., Jamshaid, M. **“Computer applications in Pharmacy”**: 8th International Pharmaceutical Congress and Pharmaceutical Exhibition, Lahore 1998.
42. Muzaffar, N., Khan, H.A., Bukhari, N.I., Rana, F., Shah, M.A., Syed, G.M.S. **“Management of pain due to multiple skeletal metastases in patients with prostatic cancer using P-32”**: 3rd Shaukat Khanum Memorial Cancer Symposium, Lahore 1997.
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S. No.	Title	Publisher and Year	Remarks
1	Danish, M.Z., Jamshaid, M., Bashir, A., <u>Bukhari, N.I.</u> , Khan, F.Z., Aslam, I. “Antilipidemic effect of seabuckthorn berry extract, a comparative in vivo study in rabbits” .	Journal of Pharmacy and Pharmacology. 62 (10), 1490-1491	Impact Factor 1.742

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S. No.	Title	Publisher and Year	Remarks
1	Hasan, S.S., Ahmed, S.I., Bukhari N.I., and Loon, W.C.W. "Utilisation pattern and factors associated with the use of complementary and alternative medicine among patients with diabetes.	International Journal of Pharmacy Practice S2: B92 B93, 2009	
2	Hasan S.S., Ahmed S.I., Bukhari N.I., Loon, W.C.W. Use of complementary and alternative medicines among patients with chronic diseases at outpatient clinics	International Journal of Pharmacy Practice S2: B94, 2009	
3	Seikh, K.A, Bukhari, N.I, Fern, S.N., Rouse, J.J., Kang, Y.B., Eccleston, G.M. "Computer-aided critical factor screening for ibuprofen release in Franz cells"	Pharmaceutical journal of Slovenia. (59):307, 2009	
4	Radzuan, R., Abdul Majeed, A.B., Julianto, T., Hamzah, M.K., Hamzah, N.R., Bukhari, N.I. "Realization assessment of stabilizer with pre-sonication on size distribution of itraconazole nanoparticulates in wet-milling".	AIP Conference Proceedings, American Institute of Physics, USA, 2009	
5	Sameni, J., Bukhari, N.I., Azlan, N.A., Julianto, T., Majeed, A.B.A., "Effect of preparation parameters on the size and morphology of PLGA based nanoparticles".	AIP Conference Proceedings, American Institute of Physics, USA, 2009	
6	Kan E., Law J.H.K., Soo, W.G, Lim, W.Y., Chay, G., Tan, S.Y., Bukhari, N.I., Segarra I. "Modification of the plasma disposition profile of imatinib through protein binding and cytochrome P450 inhibition".	Drug Metabolism Reviews, 41 (2), 2009. Informa Pharmaceutical Science, 2009	Impact Factor 5.439
7	Soo, G.w., Tan, S.Y., Lim, W.Y., Chay, G., Kan, E., Law, J.H.K., Bukhari, N.I., Segarra, I. "Effect of ketoconazole on the bioavailability, pharmacokinetics and tissue distribution of imatinib after oral coadministration to mice".	Drug Metabolism Reviews, 41 (2), 2009. Informa Pharmaceutical Science, 2009	Impact Factor 5.439
8	Tan, S.Y., Soo, G.W., Chay, G., Law, J.H.K., Lim, W.Y., Kan, E., Bukhari, N.I., Segarra, I., "Metronidazole affects the tissue distribution of imatinib but does not change its plasma pharmacokinetics in mice"	Drug Metabolism Reviews, 41 (2), 2009. Informa Pharmaceutical Science, 2009	Impact Factor 5.439

EXTENDED ABSTRACTS/PROCEEDINGS (*Continued..*)

S. No.	Title	Publisher and Year	Remarks
9	Lim, W.Y., Chay, G., Kan, E., Tan, S.Y., Law, J.H.K., soo, G.W., Bukhari, N.I., Segarra, I. "Imatinib pharmacokinetics in mice after coadministration with pain management drugs ibuprofen and paracetamol does not show apparent drug-drug interaction".	Drug Metabolism Reviews, 41 (2), 2009. Informa Pharmaceutical Science, 2009	Impact Factor 5.439
10	Law, J.H.K., Chay, G., Kan, E., Soo, G.W., Tan, S.Y., <u>Bukhari, N.I.</u> , Segarra, I. "Primaquine affects imatinib pharmacokinetics and enhances liver, kidney and brain penetration".	Drug Metabolism Reviews, 41 (2), 2009. Informa Pharmaceutical Science, 2009	Impact Factor 5.439
11	Abidin, S.Z., Sameni, J., Julianto, T., <u>Bukhari, N.I.</u> "In-vivo evaluation of ibuprofen-loaded poly(lactic-co-glycolic) acid nanoparticles in rats".	CP1136, Nanoscience & Nanotechnology, International Conference On Nanoscience & Nanotechnology (NANO-Sci-Tech), Malaysia, 2009, p 171-175.	
12	Julianto T., Pereira R., Bukhari N.I., Yuen K.H., Majeed A.B.A. Formulation optimization of O/W nanoemulsion using a statistical algorithm	VIII Spanish-Portuguese Conference on Controlled Drug Delivery, October 20-22, 2008, Madrid, Spain	
13	<u>Bukhari, N.I.</u> , Yeow, B.K., Yuen, K.H., Majeed A.B.A., Saringat H.B. Effect of surfactants on the size-distribution of starch nanoparticles during wet grinding	Materials, Fabrication, Particles, and Characterization. Vol 2. Taylor and Francis CRC Press, UK. 2008	
14	Bukhari N.I., Saringat H.B., Hay, Y.K., Majeed A.B.A. "Fabrication of starch nanoparticle using statistical optimization algorithm	Joint Commonwealth Pharmaceutical Association-Malaysian Pharmaceutical Association Conference 2007. 04 -07, August, 2007, Kuala Lumpur.	Aawarded best poster award
15	Baber, Z.U., Ibrahim, M.I.M., <u>Bukhari, N.I.</u> , Krishnan, S. Effect of Privatization of Malaysian Drug Distribution System on the Prices of Drugs Affecting Central Nervous System	Journal of Mental Health Policy and Economics. 8(Supl. 1), March 18-20, 2005	Impact Factor 1.806
16	Syed, S., Khan, H.A., Muzaffar, <u>N., Bukhari, N.</u> , Rana, F., Shah, M.A. "P32 therapy in pain palliation due to multiple skeletal metastases"	Nuclear Medicine Communications (<i>United Kingdom</i>). 18: 288, 1997.	Impact Factor 1.315

PARTICIPATION IN CONFERENCES/WORKSHOPS/SEMINARS

1. Conference on “Programs in Nanotechnology – The applications to drug delivery and tissue engineering”. Bangkok, Thailand, 18-19 May, 2006.
2. World Health Organization – Health Action International (WHO/HAI)’s Project Meeting on Medicine Prices. University Sains Malaysia, Penang – Malaysia, May 23 to 25, 2005.
3. Workshop on Research Methodology and Statistical Techniques, Organized by Institute of Graduate Studies, University Sains Malaysia, Penang-Malaysia. December 6 to 11, 2004.
4. Problem-based learning (PBL) workshop, organized by University, Sains Malaysia, Penang-Malaysia. May 28-30, 2003.
5. Respiratory Pharmacy Conference, Organized by Health Department Selngor, Malaysian Pharmaceutical Society, & Pharmacy department Selayang Hospital, Malaysia, Selangor, Malaysia. May 9-11, 2003.
6. National Seminar on good manufacturing, Storage & Laboratory Practices Organized by Ministry of Health in collaboration with the WHO, Lahore-Pakistan, December 23-24, 2002.
7. Information Technology Workshop on SPSS, organized by Human Resource Development Centre, University of the Punjab, Lahore, Pakistan. August 13 to September 3, 2002.
8. International Workshop on Health Challenges of 21st Century and Traditional Medicines in SAARC Region. Islamabad, Pakistan, November 4-6, 2002.
9. National workshop on Current Good Manufacturing Practices. Organized by Ministry of Health, PPMA and DIA. Islamabad, Pakistan. May 21-24, 1998.

RESEARCH STUDENTS UNDER SUPERVISION

Level	Student Name	Topic of Research	Year
M.Phil	Munazza Tanveer	Impact of therapy of different nterferons on the economic and clinical outcomes in patients with chronic hepatitis C	2009
M.Phil	Shahid Mukhtar	Development and characterization of differential release single tablet formulation of amlodipine besylate and simvastatin using statistical algorithms	2009
M.Phil	Ghulam Rasool	Design and evaluation of fixed dose tablet formulation for continuous release of amlodipine beslate and delayed release of simvastatin using artificial neural network approach	2009
M;Phil	Ghayur Abbas	Pending approval in doctoral committee	
M.Phil	Ummara	Pending approval in doctoral committee	
PhD	Amjad Hussain	Pending approval in doctoral committee	
PhD	Zia Rehman	Pending approval in doctoral committee	

PhD (Co-supervision) 3