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University College of Pharmacy  
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## **PERSONAL DETAIL:**

FATHER'S NAME: **ZAKA-ULLAH**  
HUSBAND'S NAME: **HAJI MUHAMMAD SHOAIB KHAN**  
NATIONALITY: **PAKISTANI**  
Languages: **Urdu, English, Punjabi**  
RELIGION: **ISLAM**  
DATE OF BIRTH: **25<sup>th</sup> FEBRUARY 1978**  
MARITAL STATUS: **MARRIED**

## **ACADEMICS**

**Doctor of Philosophy (Ph. D.) in Pharmaceutics (2007 - 2012)**  
The Islamia University of Bahawalpur, Bahawalpur, Pakistan.  
Year of completion: **January 2012**

**Master of Philosophy (M.Phil) in Pharmaceutics (2002 - 2004)**  
The Islamia University of Bahawalpur, Bahawalpur, Pakistan  
Year of completion: 2005 with 1st class.

**Bachelor in Pharmacy (B.Pharmacy) (1995 - 1999)**  
The Islamia University of Bahawalpur, Bahawalpur, Pakistan  
Year of completion: 2000 with 1st class.

**Higher Secondary / F. Sc. (1992 - 1994)**  
**Govt. College for Women, Burewala**  
Year of completion: 1995 with 1st class.

**Matriculation (1990 - 1992)**  
**Govt. Girls High School, Burewala**  
Year of completion: 1992 with 1st class.

## **PROFESSIONAL AFFILIATION/ MEMBERSHIP**

- 1- Member Pakistan Pharmacist Association.
- 2- Registered Pharmacist in Punjab Pharmacy Council, Pakistan.
- 3- Member Academic Staff Association, University of the Punjab, Lahore, Pakistan.

## **EDITORIAL APPOINTMENTS**

1. Member Editorial board, Pakistan Journal of Pharmacy, Pakistan
2. Reviewer “Scientific Research and Essays”.

## **Professional Experience**

### **University college of Pharmacy, University of the Punjab, Lahore, Pakistan**

(Jan 2012 to date)

Assistant Professor

(2009 to 2012)

Lecturer in Pharmaceutics, and delivered lectures on

- Physical Pharmacy
- Pharmaceutical Preparations
- Dispensing and Community Pharmacy
- Biopharmaceutics
- Clinical Pharmacy
- Pharmaceutical Technology

### **Faculty of Pharmacy and Alternative Medicine, The Islamia University of Bahawalpur, Bahawalpur, Pakistan**

(2007-to 2009 & 2003-2004)

Visiting Lecturer to deliver lectures on Pharmacognosy.

### **Hamdard Institute of Pharmaceutical Sciences, Islamabad, Pakistan**

(2006-2007)

Lecturer & taught following subjects to Pharm. D. students.

- Physical Pharmacy
- Pharmaceutical Preparations

### **Bahawal Victoria Hospital, Bahawalpur, Pakistan**

(2004-2006)

Hospital pharmacist

## **Research Interests**

Design and development of oral dosage forms, their in vitro & in vivo evaluation (Pharmacokinetic and Bioavailability studies);  
Development of oral controlled drug delivery systems;  
Evaluation of formulation variables;  
Stability characterization of different dosage forms.

### **Research Skills**

1. Ultraviolet spectrophotometer, Dissolution apparatus, Infra red spectrophotometer, High Performance Liquid Chromatography (HPLC), Analysis of Research Projects using the Statistical Tools
2. Microsoft Word, Microsoft Excel, Microsoft Power Point, SPSS 12

### **Distinctions and Awards**

- a. Talent scholarship from class six to the intermediate class.
- b. Distinctions in B-pharmacy, M.Phil. and Ph.D. examinations.
- c. Indigenous Ph.D. Fellowship from Higher Education Commission of Pakistan.
- d. Nomination by Higher Education Commission of Pakistan for award of UNESCO- L'OREAL scholarship for young women in Life Sciences for the year 2009.
- e. Travel grant from University of the Punjab, Lahore, (Pakistan) for presentation of research paper in an International Conference held in Brazil.

### **Conferences Attended and Participated**

1. Pharmacy in New Era, Ist National Pharmacy Conference, 2-4 March 2007, Faculty of Pharmacy and Alternative Medicine, IUB, Bahawalpur, Pakistan.
2. 14<sup>th</sup> National Pediatric Conference, 20-22 February 2009, Multan, Pakistan.
3. 15<sup>th</sup> International Pharmacy Conference & Exhibition, 5-8 April 2009, Lahore, Pakistan.
4. 1<sup>st</sup> International Conference Jinnah Hospital Pharmacy Practices, 12-14 February 2010, Lahore, Pakistan.
5. International Conference on Computer, Electrical and System science & Engineering, 29-31 March 2010, Rio De Janeiro, Brazil.
6. International Postgraduate Student Meeting on Pharmaceutical Sciences, 24-27 June 2010, Izmir, Turkey.

7. 1<sup>st</sup> National Seminar on Use of Animals in Science – Ethical & Practical Considerations, 3-4 January 2011, Lahore, Pakistan.
8. One day training workshop on “Managing Plagiarism in Academic Research – Hands on Training using turn it in software” in the university of the Lahore, Pakistan, dated 4<sup>th</sup> March 2011.
9. Seminar and Workshop on Environmental Toxicology and Health, 8-9 March 2011, held at Department of Pharmacology and Toxicology, University of Veterinary and Animal Sciences, Lahore in collaboration with Department of Clinical Neuroscience, University of Cambridge, UK.
10. 10<sup>th</sup> international Pharmacy Conference and Exhibition 2011 (IPCE2011) from 28<sup>th</sup> April to 1<sup>st</sup> May 2011 in Lahore.

## Research Publications

### Ph. D. Thesis

Metoprolol Microcapsules: Formulation and *in-vitro* & *in-vivo* Characterization.

### M. Phil Thesis

The Effect of Binders on the Bioavailability of ofloxacin tablets using animal model.

## Research Publications in International Journals

1. Ghulam Murtaza, Mahmood Ahamd, Naveed Akhtar, **Fatima Rasool**. A comparative study of various microencapsulation techniques: Effect of polymer viscosity on microcapsule characteristics. Pakistan Journal of Pharmaceutical Sciences 2009, 22 (3): 291-300. **(1.103)**
2. **Fatima Rasool**, Mahmood Ahmad, Ghulam Murtaza, Haji M. S. Khan & Shujaat A. Khan. Metoprolol Tartrate-Ethylcellulose Tableted Microparticles: Formulation and *In Vitro* Evaluation. Latin American Journal of Pharmacy 2010, 29 (6): 984-90. **(0.288)**
3. Shujaat Ali Khan, Mahmood Ahmad, Ghulam Murtaza, Muhammad Naeem Aamir, Nisar-ur-Rehman, Rozina Kousar, **Fatima Rasool** and Mohammad Akhtar. Formulation of Nimesulide Floating Microparticles Using Low-viscosity Hydroxypropyl Methylcellulose. Tropical Journal of Pharmaceutical Research 2010, 9 (3): 293-299. **(0.82)**
4. Shujaat Ali Khan, Mahmood Ahmad, Ghulam Murtaza, Muhammad Naeem Aamir, Rozina Kousar, **Fatima Rasool**, Shahiq-u-Zaman. In vitro-in vivo correlation study on nimesulide loaded hydroxypropylmethylcellulose microparticles. Acta Pharmaceutica Sinica 2010, 45 (6): 772-777.

5. **Fatima Rasool**, Mahmood Ahmad, Haji Muhammad Shoaib Khan, Naveed Akhtar, Ghulam Murtaza. The effect of binders on the bioavailability of ofloxacin tablets in animal model. *Acta Poloniae Pharmaceutica - Drug Research* 2010, 67 (2): 185-189. (0.663)
6. Shujaat Ali Khan, Mahmood Ahmad, Ghulam Murtaza, Harris M. Shoaib, Muhammad N. Aamir, Rozina Kousar, **Fatima Rasool**, Asadullah Madni. Development of In-Vitro In-Vivo Correlation for Nimesulide Loaded Ethylcellulose Microparticles. *Latin American Journal of Pharmacy* 2010, 29 (6): 1029-1034. (0.28)
7. Shujaat A. Khan, Mahmood Ahmad, Muhammad N. Aamir, Ghulam Murtaza, **Fatima Rasool** & Muhammad Akhtar. Study of Nimesulide Release From Ethylcellulose Microparticles and Drug-Polymer Compatibility Analysis. *Latin American Journal of Pharmacy*. 2010, 29 (4): 554-61. (0.28)
8. Naveed Akhtar, Haji Muhammad Shoaib Khan, Gulfishan, **Fatima Rasool**, Mehmood Ahmad and Tariq Saeed. Formulation and *in vitro* Evaluation of a Cosmetic Emulsion Containing Apple Juice Extract. *Asian Journal of Chemistry* 2010, 22 (9): 7235-7242. (0.266)
9. Mahmood Ahmad, Muhammad Iqbal, Naveed Akhtar, Ghulam Murtaza, Muhammad Asadullah Madni and **Fatima Rasool**. Comparison of Bioavailability and Pharmacokinetics of Diclofenac Sodium and Diclofenac Potassium in Healthy and *Escherichia coli* Induced Febrile Rabbits. *Pakistan Journal of Zoology*, 2010, 42(4): 395-400. (0.338)
10. Shujaat Ali Khan, Mahmood Ahmad, Ghulam Murtaza, Muhammad Naeem Aamir, **Fatima Rasool** and Muhammad Akhtar Raees. Influence of process parameters on nimesulide-loaded Poly(D,L-Lactide-Co-Glycolide) microcapsules. *Latin American Journal of Pharmacy* 2011, 30 (1): 119-125. (0.28)
11. Muhammad Naeem Aamir, Mahmood Ahmad, Shujaat Ali Khan, Naveed Akhtar, Ghulam Murtaza, Muhammad Akhtar, **Fatima Rasool**. Fabrication of Novel Gastro-retentive Floating Microcapsules by utilizing Combination of HPMC and EC and their Physicochemical Assessment. *Latin American Journal of Pharmacy* 2011, 30 (5): 1010-1015. (0.28)
12. **Fatima Rasool**, Mahmood Ahmad, Ghulam Murtaza, Haji Muhammad Shoaib Khan, Shujaat Ali Khan. Comparative Dissolution Study of Metoprolol Tartrate loaded PLGA (50:50) and PLGA (75:25) Microparticles. *Asian Journal of Chemistry* 2011, 23(9): 3815-3818. (0.266)
13. Naveed Akhtar, Masood-ur-rehman, Haji M Shoaib Khan, **Fatima Rasool**, Tariq saeed and Ghulam Murtaza. . Penetration enhancing effect of polysorbate 20 and 80 on the in vitro percutaneous absorption of L-Ascorbic Acid. *Tropical Journal of Pharmaceutical research* 2011, 10 (3): 281-288. (0.82)
14. Naveed Akhtar, Shaiq-uz-zaman, Barkat Ali Khan, Haji M. Shoaib Khan, Mahmood Ahmad, **Fatima Rasool**, Tariq Mahmood and Akhtar Rasul. Evaluation of skin various

functional skin parameters using a topical cream of calendula officinalis extract. African journal of Pharmacy and Pharmacology 2011, 5(2): 199-206.

(0.893)

15. A Khalid, A Waseem, M Saadullah, UU Rehman, S Khiljee, A Sethi, MHHB Asad, **Fatima Rasool**, MK Waqas, G Murtaza. Antibacterial activity analysis of extracts of various plants against gram -positive and -negative bacteria. African journal of Pharmacy and Pharmacology 2011, 5(7): 887 – 893. (0.893)

16. K Farzana, S Batool, T Ismail, MHHB Asad, **Fatima Rasool**, S Khiljee, G Murtaza. Comparative Bactericidal Activity of Various Soaps against Gram-Positive and Gram-Negative Bacteria. Scientific Research and Essays 2011, 6(16): 3514-3518.

(0.445)

17. Shujaat A. Khan, M. Ahmad, Ghulam Murtaza, G. Shehnaz, M. N. Aamir and **Fatima Rasool**. Design of nimesulide-chitosan microparticles by pH change coacervation. Latin American Journal of Pharmacy 2011, 30(7): 1260-1266. (0.28)

18. Haji M Shoaib Khan, Naveed Akhtar, **Fatima Rasool**, Tariq Saeed, Barkat Ali Khan and Tariq Mahmood. Investigation of new sebum control cream containing Apple Juice Extract. Asian journal of chemistry 2011, 23 (2): 810-812.

(0.266)

19. Naveed Akhtar, Barkat Ali Khan, Said Muhammad, Mahmood Ahmad, Haji Muhammad Shoaib Khan, **Fatima Rasool** and Tariq Saeed. Formulation and characterization of cream containing Terminalia chebula extract. Forschende Komplementarmedizin, 2012, 19 (2-7).

(1.652)

20. **Fatima Rasool**, Mahmood Ahmad, Ghulam Murtaza, Haji M. Shoaib Khan and Shujaat Ali Khan. Eudragit FS based colonic microparticles of metoprolol tartrate. Acta Poloniae Pharmaceutica- Drug Research, 2012, 69: 347-353. (0.663)

21. **Fatima Rasool**, Mahmood Ahmad, Ghulam Murtaza, Haji Muhammad Shoaib Khan and Shujaat Ali Khan. Pharmacokinetic Studies on Metoprolol – Eudragit Matrix Tablets and Bioequivalence Consideration with Mepressor®. Tropical Journal of Pharmaceutical Research, 2012, 11 (2): 281-287. (0.82)

22. Mahmood Ahmad, Ghulam Murtaza, Fatima Nasim, Rehmana Rasheed, Shujaat Khan, Muhammad N. Aamir and **Fatima Rasool**. A novel granulation non-solvent addition method containing hydrophilic and lipophilic drugs. Acta Poloniae Pharmaceutica - Drug Research, 2012, 69 (2): 285-290. (0.663)

23. Haji M Shoaib Khan, Ghulam Murtaza, Muhammad Usman, Fatima Rasool, I.M. Qureshi and K. Farzana. Evidence based study of side effects of drugs used in the treatment of

diabetes mellitus. African journal of pharmacy and pharmacology, 2012, 6 (24): 1805-1808. (0.893)

**Paper published in Proceedings of Conferences:**

1. **Fatima Rasool**, Mahmood Ahmad, Ghulam Murtaza, Haji Muhammad Shoaib Khan, Shujaat Ali Khan, Sonia Khiljee and Muhammad Qamar-Uz-Zaman. Hydrophobic plastic polymeric tabletted microparticles loaded with metoprolol tartrate: Development of a validated in-vitro in-vivo correlation. Conference of World Academy of Science, Information and Technology, Rio De Janeiro, Brazil, 63: 17-20, March 29-31, 2010.
2. Haji M. Shoaib Khan, Naveed Akhtar, Shaiq-uz-Zaman, Mahmood Ahmad, **Fatima Rasool**, Barkat Ali Khan and Tariq Saeed. Calendula officinalis extract cream: effect on skin pigment Melanin. International Postgraduate Student Meeting on Pharmaceutical Sciences (IPSMPS), Izmir-Turkey, 39, June 2010.
3. **Fatima Rasool**, Sham sul-hassan , Haji Muhammad Shoaib Khan, Naveed Akhtar, Barkat ali Khan, Atif Ali, Asadullah Madni. Formulations and characterization of two bleach creams of Mulberry extract and comparison of their effects on human skin melanin and erythema. Abstract published in international symposium on drug research and development “from chemistry to medicine” and new horizons and job opportunities for young scientist on 27-29 May 2011 antalya, turkey, organized by Hacettepe university Medicinal chemistry research development and application centre.