

## **BIODATA**

NAME : **FATIMA RASOOL**

FATHER'S NAME : **ZAKA-ULLAH**

HUSBAND'S NAME : **HAJI MUHAMMAD SHOAIB KHAN**

NATIONALITY : **PAKISTANI**

RELIGION : **ISLAM**

DATE OF BIRTH : **25<sup>th</sup> FEBRUARY 1978**

MARITAL STATUS : **MARRIED**

CORRESPONDENCE ADDRESS **FATIMA RASOOL**  
**Lecturer,**  
**University College of Pharmacy,**  
**University of the Punjab,**  
**Lahore, PAKISTAN**

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## Biography

### A-Educational Background

-2011: The dissertation entitled, “**Metoprolol Microcapsules: Formulation and *in-vitro* & *in-vivo* Characterization**” has been submitted to The Islamia University of Bahawalpur in partial fulfilment of the requirements for the degree of **Doctor of Philosophy (Pharmaceutics)**.

-2007: Registered in **Ph.D. (Pharmaceutics)** in Faculty of Pharmacy and Alternative Medicine, The Islamia University of Bahawalpur, Bahawalpur, Pakistan

-2004: **M.Phil (Pharmaceutics)**, Faculty of Pharmacy and Alternative Medicine, The Islamia University of Bahawalpur, Bahawalpur, Pakistan. The thesis entitled “**The Effect of Binders on the Bioavailability of ofloxacin tablets using animal model**”

-2000: **B.Pharmacy**, Faculty of Pharmacy and Alternative Medicine, The Islamia University of Bahawalpur, Bahawalpur, Pakistan.

### B-Work Experience

-2009 to date , working as a lecturer in university college of Pharmacy, The University of The Punjab, Lahore, Pakistan.

-2007-to 2009, part-time teacher in Faculty of Pharmacy and Alternative Medicine, The Islamia University of Bahawalpur, Bahawalpur, Pakistan.

-2006-2007, Lecturer, Hamdard Institute of Pharmaceutical Sciences, Islamabad, Pakistan.

-2004-2006, Hospital pharmacist, Bahawal Victoria Hospital, Bahawalpur, Pakistan.

-2003-2004, part-time teacher in Faculty of Pharmacy and Alternative Medicine, The Islamia University of Bahawalpur, Bahawalpur, Pakistan.

## Detail of Obtained Marks

Certificate/Degree	Subject	Year	Division	Percentage	Board/University
Ph.D. ( course work)	Pharmaceutics	2008	1 <sup>st</sup>	83%	<b>The Islamia University of Bahawalpur</b>
M.Phil	Pharmaceutics	2004	1 <sup>st</sup>	71.11 %	<b>The Islamia University of Bahawalpur</b>
B.Pharmacy	Pharmacy Disciplines	2000	1 <sup>st</sup>	64 %	<b>The Islamia University of Bahawalpur</b>
Intermediate	Pre-Medical	1995	1 <sup>st</sup>	70.2 %	<b>Multan Board</b>
Matric	Science	1992	1 <sup>st</sup>	84.5 %	<b>Multan Board</b>

## 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; Physical & 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.

## **Research Experience**

- To Study The Effect Of Binders On The Bioavailability Of Ofloxacin Tablets Using Animal Model. (M.Phil. Project)
- Metoprolol Microcapsules: Formulation and in-vitro & in-vivo characterization (Ph.D. research project).

## **Conferences Attended**

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.

## PUBLICATIONS

### Scientific Publications in International Journals

Ghulam Murtaza, Mahmood Ahmad, 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.

**Fatima Rasool**, Mahmood Ahmad, Ghulam Murtaza, Haji M. S. Khan & Shujaat A. Khan. Metoprolol Tartrate-Ethylcellulose Tabletted Microparticles: Formulation and *In Vitro* Evaluation. *Latin American Journal of Pharmacy*. 2010, 29 (6): 984-90.

**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.

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.

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.

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.

Naveed Akhtar, Haji Muhammad Shoaib Khan, Gulfishan, **Fatima Rasool**, Mahmood 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.

Haji M. Shoaib Khan, Naveed Akhtar, Barkat Ali Khan, Tariq Mahmood, **Fatima Rasool** and Tariq Saeed. Investigation of New Sebum Control Cream Containing Apple Juice Extract. Accepted for publication in *Asian Journal of Chemistry* 2010, 22.

Naveed Akhtar, Masood-ur-Rehman, Haji M. Shoaib Khan, **Fatima Rasool**, Ghulam Murtaza and Tariq Saeed. Penetration Enhancing Effect of Different Chemicals on the Percutaneous

Absorption of L-ascorbic acid. Accepted for publication in Tropical Journal of Pharmaceutical Research.

### **Oral Presentation in International Meeting**

**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, March 29-31, 2010, 63: 17-20.

### **Abstracts Published in International Meetings**

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, 2010.

Haji M. Shoaib Khan, Naveed Akhtar, **Fatima Rasool**, Barkat Ali Khan, Tariq Mahmood and Muhammad Shuaib Khan. In vivo evaluation of stable cream containing flavonoids on hydration and TEWL of human skin. Paper published in proceedings of international conference on biological science and engineering (ICBSE 2010) , venice , Italy, 71,2010, 899-902.

### **Manuscripts submitted**

**Fatima Rasool**, Mahmood Ahmad, Ghulam Murtaza, Haji Muhammad Shoaib Khan, Shujaat Ali Khan. Comparative Bioavailability and Pharmacokinetics of Investigational Eudragit<sup>®</sup> FS Based Colonic Tabletted Microparticles and Marketed Sustained Release Tablets of Metoprolol. Submitted for publication in Tropical journal of pharmaceutical research.

**Fatima Rasool**, Mahmood Ahmad, Ghulam Murtaza, Haji Muhammad Shoaib Khan, Shujaat Ali Khan. Eudragit<sup>®</sup> FS Based Colonic Microparticles of Metoprolol Tartrate. Submitted for publication in Acta Poloniae Pharmaceutica - Drug Research.

