

DR. MAQSOOD UR REHMAN

Department of Pharmacy, University of Malakand



PERSONAL INFORMATIONS

Date of Birth: May 01, 1982
Pen Name: Maqsood Ur Rehman Eshrat
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ACADEMIC CAREER

Ph.D.	2018	Pharmaceutical Sciences (Nanotechnology), University of Malakand-Pakistan (Ph.D. Country Directory #17027)
M.Phil.	2011	Pharmaceutical Sciences, University of Malakand
Pharm-D	2007	University of Peshawar, Pakistan
B. Sc.	2002	University of Peshawar, Pakistan
F. Sc.	2001	B. I. S. E. Peshawar
S. S. C.	1999	B. I. S. E. Peshawar

PhD Thesis:

“Fabrication and evaluation of solid lipid nanoparticles for Niclosamide (BCS-II) and Sulfasalazine (BCS-IV) drugs”

M.Phil Thesis:

“Preparation and Evaluation of Diclofenac Sodium Matrix Tablets by Using Modified Sunflower Stem Residue”

LAB ESTABLISHED & INCHARGE:

Pharmaceutical Analysis and Nanomedicine Lab at Department of Pharmacy University of Malakand

TECHNIQUES

- ✓ Zeta Sizer (Photon Correlation Spectroscopy)
- ✓ Scanning Electron Microscopy (SEM)
- ✓ Transmission electron microscopy (TEM)
- ✓ Fourier Transformed Infrared (FT-IR) spectroscopy
- ✓ Powder X-ray diffractometry (PXRD)
- ✓ Differential Scanning Calorimetry (DSC)
- ✓ Nano Drop Spectrophotometer
- ✓ High Performance liquid chromatography (HPLC)
- ✓ In-vitro and in-vivo characterization techniques

PROJECTS

- **Development Of Lipids Based Nanoparticles For BCS-II Outdated Drugs With New Applications, Improved Bioavailability And More Patient Compliance**, of worth 2.71 million recently accepted by Higher Education Commission of Pakistan
- ***Role of clinical pharmacist in the treatment & Management of Malaria*** at Saidu Teaching Hospital Swat in Pharm-D Under the guidance of Prof. Dr. Jamshid Ali Khan, Department of Pharmacy University Of Peshawar
- ***Detoxification of Metal Ions by using modified Agriculture Residues worth 1 Million*** at Department of Pharmacy, University of Malakand, Under the supervision of Prof. Dr. Mir Azam Khan/Prof. Dr. Samir Kamel Muhammad(Foreign Faculty) Fully funded by Higher Education Commission, Government of Pakistan.

SUBJECTS TAUGHT AT PHARM-D LEVEL:

- Pharmaceutical Quality Management (PQM)
- Dispensing and Community Pharmacy
- Clinical Pharmacy/ Pharmacy Practice
- Forensic Pharmacy

UNDERGRADUATE STUDENTS SUPERVISED

More than 50 students of Pharm-D in subject of Clinical Pharmacy were supervised during clerkship in all tertiary care hospitals of Khyber Pakhtunkhwa

POSTGRADUATE STUDENTS SUPERVISED

S. NO	NAME	TOPIC	INSTITUTE	YEAR OF DEGREE	LEVEL	SUPERVISION
1	Firdous Ahmad Burki	Chitosan decorated flurbiprofen loaded solid lipid nanoparticles for transdermal drug delivery	Faculty of Pharmacy, Gomal University D.I Khan	2019	M.Phil.	Co-Supervisor

PUBLICATIONS

a. JOURNALS

- Mahwish Kamran, Mir Azam Khan, Muhammad Shafique, **Maqsood ur Rehman**, Waqar Ahmed, Abdullah Khan and Sajjad Ahmad (2020). 'Development and Characterization of Binary Solid Lipid Nano Suspension of Atorvastatin: *In-Vitro* Drug Release and *In-Vivo* Pharmacokinetic Studies' *Nanoscience and Nanotechnology Letter* (**Accepted**)
(Impact Factor 2.917)
- Mahwish Kamran, Mir A Khan, Muhammad Shafique, **Maqsood Rehman**, Waqar Ahmed, Abdullah Khan and Sajjad Ahmad (2020). 'Binary Solid Lipid Nanosuspension Containing Cefixime: Preparation, Characterization and Comparative In-vivo Evaluation' *Latin American Journal of Pharmacy* (**Accepted**)
(Impact Factor 0.441)
- Muhammad Shah Zeb Jan, Waqar Ahmad, Abdullah, Atif Kamil, Mir Azam Khan, **Maqsood Ur Rehman**, Irfan ullah & Muhammad Saeed Jan (2019): Protective effect of the solvent extracts of *Portulacca oleracea* against acidified ethanol induced gastric ulcer in rabbits, *Drug and Chemical Toxicology*, DOI: 10.1080/01480545.2019.1691584
(Impact Factor 1.946)

- **Maqsood ur Rehman**, Mir Azam Khan, Waheed S. Khan, Muhammad Shafique, Mu nasib Khan (2017). Fabrication of Niclosamide loaded solid lipid nanoparticles: In-vitro Characterization and Comparative in-vivo Evaluation. *Artificial cells, nanomedicine, and biotechnology* 1-9 Volume 46, 2018 - Issue 8 **(Impact Factor 5.605)**
- Muhammad Shafique, Mir Azam Khan, Waheed S. Khan, **Maqsood-ur-Rehman**, Waqar Ahmad, and Shahzeb Khan (2017) Fabrication, Characterization, and *In Vivo* Evaluation of Famotidine Loaded Solid Lipid Nanoparticles for Boosting Oral Bioavailability. *Journal of Nanomaterials*. **(Impact Factor 2.223)**
- Mir Azam Khan, **Maqsood ur Rehman**, Waqar Ahmed, Hamayun Khan, Abdullah, Manzoor Ahmad, Jahangir Khan. Rehman M *et al.*, Development of Diclofenac Sodium Matrix Tablets using Sunflower Stem Residue (2014). *American Journal of Pharmacy & Health Research* 7(2), 2321-3647 **(Impact Factor 0.678)**
- Mir Azam Khan, Khalid Saeed, Abdullah, Waqar Ahmad, Fazal Mabood, **Maqsood ur Rehman** (2012). In vitro absorption of drugs using modified sugarcane baggasse *J. Sci. Ind. Res* **71** (02), 161-167 **(Impact Factor 0.58)**
- Naveed Ullah, Amir Nazir, Sadaf Anwar, Nouman Altaf, Abdullah, **Maqsood ur Rehman** (2011). Effect of Lemon grass and Green Tea on blood pressure and heart rate. *Medical Forum Monthly* 22(9),11-13 **(HEC Recognized Journal)**

b. CONFERENCE

- **Maqsood ur Rehman**, Mir Azam Khan, Waheed S.Khan and Muhammad Shafique *Nanotechnology Approaches For Pharmaceutical Research And Development* (2015), **Paper presented** in “National Training Workshop on Nanomaterials and One Day Symposium on Nanotechnology in Pakistan; *Recent Trends & Developments* December 14-16, 2015, NIBGE, Faisalabad
- **Maqsood ur Rehman**, Waheed S Khan, Mir Azam Khan, Muhammad Shafique., *Applications of Nanotechnology in Pharmacy* (2014), **Paper presented** in “National Conference on Frontiers of Nanoscience & Nanotechnology” at PINSTECH Islamabad, 3-5 June, 2014

BOOK CHAPTER

“Introduction to Natural Product Analysis” in book “Recent Advances in Natural Products Analysis” by Elsevier publishers.

POSTER PRESENTATIONS (ABSTRACTS)

- Muhammad Shafique., Waheed S Khan., **Maqsood ur Rehman.**, *Pharmaceutical Nanotechnology and 21st Centaury*: Abstracts of the Conference on Frontiers of Nanoscience and Nanotechnology, Islamabad, Pakistan, 2014. CFNN-087, 40-40 (2014).

REVIEWER

- Horizon Research Publishing, USA, www.hrpub.org

PROFESSIONAL EXPERIENCE

- Working as a **Lecturer** in Department of Pharmacy University of Malakand since 1st November, 2007 till date.
- Worked as “Trainee Pharmacist” at Saidu Teaching Hospital Swat from 1st March 2008 to 30th April 2008.
- Worked as “Trainee Pharmacist” at Ferozsons Labs from 1st November 2006 to 13th December 2006.

ADDITIONAL RESPONSIBILITIES PERFORMED AT UNIVERSITY OF MALAKAND

- **Deputy Director Societies**, University of Malakand from 2010 to May 2013
- **Food Inspector** for Market Management University of Malakand
- **Member Seminar/Symposia Committee** Department of Pharmacy, UOM
- **Pioneer Editor** (Urdu) for University Magazine *Massaga 2011-12*
- **Member** of Food and Market Committee, University of Malakand
- **Secretary**; University Transport Committee, University of Malakand
- **Staff Editor** (Urdu) University Magazine *Massaga 2015-16*
- **Secretary/Member** of Departmental Strategic Planning Committee
- **Organizer** Malakand Cultural and Literary Club 2018-2019
- **Organizer** Malakand Cultural and Literary Club 2019-2020

CONFERENCES / SYMPOSIA /WORKSHOPS

2020

1. **Attend** 3rd international conference on “Chemical and Pharmaceutical Sciences: New Trends in Medicinal & Pharmaceutical Chemistry” to be held on January 29-31, 2020 at the Forman Christian College (A Chartered University), Lahore, Pakistan (**Paper presented**)

2019

2. **Keynote Speaker** in International Pharmacy Conference & Exhibition on "Emerging Trends in Drugs & Nutraceuticals Development, Therapeutics & Commercialization" organized by Department of Pharmacy, University of Swabi on June 18-20, 2019.
3. **Invited Speaker** in One Day National Seminar on “Research Trends in Pharmacy”. Organized by Society of Pharmacology, Department of Pharmacy University of Swabi on May 02, 2019.
4. **Organizer** of National Research Conference on “Applied Management Research for Solving Indigenous Problems” organized by Department of Commerce & Management Sciences in collaboration with Higher Education Commission of Pakistan on April 25-26, 2019
5. **Organizer** “Job Fair 2019” organized by Department of Commerce & Management Studies and ORIC University of Malakand on April 11, 2019

2018

6. **Organizer** of 1st National Workshop on “Molecular Biology: Tools & Techniques, 12-14 November, 2018 organized by Department of Botany University of Malakand
7. **Focal Person** for visit to Senate of Pakistan, to witness senate proceedings on November 08, 2018
8. **Organizing Secretary** of “1st National Conference on Phytomedicines: Current and Future Perspectives” 09-11 October, 2018- Jointly Organized by Shaheed Banazir Bhutto University Sheringal and University of Malakand in collaboration with Higher Education Commission of Pakistan
9. **Organizer** of 1st National Research Conference on Contemporary Issues and Practice in Business and Management (NRCM-2018), 13-14 September, 2018, Organized by Department of Commerce and Management Sciences University of Malakand
10. **Organizing Secretary** of “National Conference on Plants: From Food to Phytomedicine” 03-04 May, 2018- Jointly Organized by University of Malakand and University of Sargodha

in collaboration with Higher Education Commission of Pakistan

2017

11. **Organizer** of two day training workshop on “Quantitative Data Analysis Using SPSS, AMOS and EVIEWS, 01-02 November, 2017 organized by Department of Management Studies, University of Malakand
12. **Organizing Secretary** of “1st National Conference on Emerging Trends in Pharmaceutical Sciences” 09-11 October, 2017- Organized by Department of Pharmacy, University of Malakand in collaboration with Higher Education Commission of Pakistan.
13. **Attend** three-day training workshop on “**Strategic Planning**” on March 20-22, 2017

2016

14. **Attend** seminar on “**Issues of Good Governance in Universities**” on May 19, 2016 at University of Malakand
15. **Attend** National Training Workshop on Nanomaterials and One Day Symposium on Nanotechnology in Pakistan; *Recent Trends & Developments* December 14-16, 2015, NIBGE, Faisalabad (**Paper presented**)

2015

16. **Organizer** of seminar on “**Navigating the Future of Community Pharmacy in Pakistan**” on October 05, 2015 at University of Peshawar

2014

17. **Attend** three-day workshop on **Innovation and Commercialization of Research** at Faisalabad Chamber of Commerce & Industry organized by SMEDA in collaboration with UNIDO from 11th to 13th September, 2014.
18. Conference on **Frontiers of Nanoscience and Nanotechnology** at PINSTECH (Pakistan Institute of Nuclear Science and Technology, Islamabad from 3rd to 5th June, 2014 (**Paper-Presented**)
19. **Organizer** of seminar on "**Pharmacists Success in Professional Life**" in collaboration with Surrey Memorial Hospital, BC Canada & British Columbia Pharmacy Association, BC Canada on 15th May, 2014 at video conference room University of Malakand

2011-12

20. TOT workshop on **Youth Social Entrepreneurship** from 9th to 15th July, 2012 at Islamabad
21. **Presented** “Current and Future Status of Department Of Pharmacy”, University of Mala-

kand to Pharmacy Council of Pakistan for the recognition of Pharm-D course on 8th May, 2012

22. **Attend** workshop on “**Health Care in 21st Century: Importance and Interoperability**” organized by OIC standing Committee and Technological Cooperation (COMSTECH)

23. **Attend** Two Days Training Workshop on “**Quality Criteria**” in QEC University of Malakand on July 27-28, 2011

2005-2010

24. **Attend** workshop on **International Humanitarian Law and Islamic Law** on 26th May, 2010 at UOM organized by International Committee for Red Cross(ICRC)

25. **Attend** One Day Workshop on **Bioinformatics** on 8th May, 2010 at M.A.J.U, Islamabad

26. **Organizer** of seminar on **World’s AIDS Day** on 1st December 2008 at University of Malakand.

27. **Organizer** of Symposium on **OLD PLANTS NEW REMIDIES** on 9-10 June 2008 at University of Malakand.

28. **Attend** one day Workshop on **DRUG POLICY** on 24th December 2005 at Pearl Continental Peshawar

29.

DISTINCTIONS

- Appreciation Certificate from **Prime Minister** of Pakistan 1999.
- Best student **Fakhr-e-Mardan** Award 2001.
- 2nd position **All Pakistan Inter-Universities Poetry Competition** at Fatima Jinnah Women’s University Rawalpindi 2005

MEMBERSHIP

- Elected Member of Academic Council, University of Malakand Jan-2018 to Jan-2020
- Registered Pharmacist with Pharmacy Council of Pakistan
- Member of the Pakistan Pharmacist Association (PPA)
- Focal Person of **YES (Youth Engagement Services)** Network Pakistan for Malakand Division
- Convener of Seminars/Symposia Arrangement Committee Department of Pharmacy University of Malakand

- Was Convener of Scholarship Committee Department of Pharmacy University of Malakand
- Was an Editor of PHARMAZINE Department of Pharmacy University of Peshawar
- Was Member of Blood Donor Society(BDS), University of Peshawar
- Was Senior Member Khyber Literary Club(KLC), University of Peshawar

EVENTS ORGANIZED AS DY. DIRECTOR SOCIETIES

1. Seminar on Independence is a great blessing 26th August, 2009
2. Allama Iqbal Shield, Debate Competition 10th October, 2009
3. Role of Youth for peaceful and tolerant society in Pakistan 12th November, 2009
4. Universal Human Rights Celebrations (One Week)_16- 22 December 2009
5. Fahm-e-Quran Course (One Week) 18-24 February, 2010
6. Monogram & Logo Competition 25 October, 2010
7. Allama Iqbal Shield, Debate Competition 28th October, 2010
8. Free Medical Camp 28th December, 2010
9. Essay Competition 17th May, 2011
10. Blood Donation Camp 26th May, 2011
11. Inter-University Quiz Competition 03 June, 2011
12. Workshop on Character Building of the Youth 07 July, 2011
13. Public Education about Prevention & Control of Dengue Fever 14th September, 2011
14. Allama Iqbal Shield, Debate Competition 20th October, 2011
15. Philosophy of Hajj and Sacrifice 02 November, 2011
16. 5th Vice Chancellor Talent Awards 18th December, 2011
17. Seminar on “Who are Pathans” 17th May 2012
18. Youth Social Entrepreneurship Competition 2012
19. Azmat-e-Mustafa Conference 23rd October, 2012
20. Allama Iqbal Shield, Debate Competition 08 November, 2012
21. 6th Vice Chancellor Talent Awards December, 2012
22. Intra-Departmental Software Competition 23 January, 2013
23. International Mother Language Day Celebration 20th February 2013
24. All Malakand Division Debate Contest on International Women’s Day 8th March, 2013

25. International Mother Language Day 21st February, 2013

26. 7th Vice Chancellor Talent Awards 18th April, 2013

EVENTS ORGANIZED AS ORGANIZER MCLC (Malakand Cultural and Literary Club)

1. 1st Round of All Pakistan Declamation Contest for Award of Allama Iqbal Shield held on April 17, 2018 at University of Malakand
2. Seminar on “Let’s Start Struggle Against Corruption in Holy Month of Ramzan” on May 14, 2018 at University of Malakand
3. Seminar on Peace, Harmony, National Integration and Counter-narrative to the Extremists Version of the Religion Leading to the Extremist Ideologies and Terrorism on June 26, 2018
4. Defense day celebrations National Songs, Videos and Quiz Competitions on September 11, 2018 at University of Malakand
5. Organizer of World Pharmacists Day Celebration on September, 25, 2018 in Collaboration with Healthcare Society, UOM
6. Organizer of Poet of the campus competitions on December 06, 2018 in Foundation week celebration, UOM

BOOKS

- Urdu Poetry Book آخری گزارش Published in December, 2018

REFERENCES

- **Prof Dr. Muhammad Rasul Jan (Professor of Emeritus), Pride of Performance & TI**, Vice Chancellor, University of Poonch, Rawlakot-Pakistan
E.mail: mrjanpk2002@yahoo.com
- **Prof. Dr. Samir Kamel Mohamed (Professor of Cellulose Chemistry and Technology)** Cellulose and Paper Department, National Research Centre Dokki, Cairo-Egypt
- **Prof. Dr. Mir Azam Khan**; Dean, Faculty of Biological Sciences, University of Malakand-Pakistan
E.mail: mirazam786@yahoo.com
- **Dr. Waheed S. Khan**, Principal Scientist, National Institute for Biotechnology & Genetic Engineering Faisalabad-Pakistan E.mail: waheedskhan@yahoo.com