

PERSONAL BIODATA

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QUALIFICATION:

Bachelor of Pharmacy: Obtained from Department of Pharmacy, University of Peshawar in 1996.

M.Phil: Got the degree on title “Pharmacological investigation on indigenous plant, *Hypericum perforatum*, potentially useful for pain and addiction”. in the field of **Pharmacology**, Department of Pharmacy, , University of Peshawar

Ph.D: Got the degree on title “Studies on antispasmodic and bronchodilator activities of selected indigenous medicinal plants”. from Department of **Pharmacology**, University of Karachi, Karachi

PROFESSIONAL EXPERIENCE:

1. Has been Teaching, Training and involving in research as Professor, Assistant Professor and Lecturer since Sept. 2005 at Department of Pharmacy, University of Malakand at graduate post-graduate and fellow-teachers level.
2. Gained a blend of experience in **TESTING, MANUFACTURING** various dosageforms and **MARKETTING** in the field of pharmaceuticals at national level.
3. Learned registering inventory, insurance and check over drugs for in-patients in Hospital, Peshawar.

RECENT COMMITMENTS: Mainly involved in scientific screening of the local flora reported to have health value and putting to investigations to explore the constituents and the possible mode of action/basic mechanistics that modify the physiologic effect in living system. These include

1. *Boswellia serreta/P. incarnata*
2. *Viola canescence*.
3. *Lepidium sativum*
4. *Eryngium sativum*.
5. *Mentha arvensis*.

RESEARCH INTEREST:

1. To explore new compounds in plants those mitigate and /or cure drug dependence, Diabetes mellitus, Hypertension, Cardiac arrhythmeias and safe solution to GIT disorders like spasms, pain, diarrhea, nausea and vomiting in in-vitro and in-vivo animals models.
2. To modify and improve the conventional tools and search new models for evaluation of drug’s effects.

RESEARCH EXPERIENCE:

A. CNS PHARMACOLOGY

1. Effect of Drugs on animal behaviors with respect to depression, dependence and pain

B. CARDIOVASCULAR, RESPIRATORY TRACT & GIT PHARMACOLOGY

2. Calcium antagonistic activity in smooth muscles (voltage dependent and internal stored calcium).
3. Alpha adrenoceptor agonistic/antagonistic activity
4. Phosphodiesterase inhibitory activities
5. Cholinergic and anticholinergic activities.

C. ANIMALS HOUSE MANAGEMENT

To maintain Rodent's **BREEDING, BREEDING & BORDING**

RESEARCH COLLABORATIONS:

1. Department of Pharmacy, University of Peshawar.
2. The AGA Khan University and Hospital, Karachi

RESEARCH TECHNIQUES AND SKILLS:

It includes Basic Pharmacological Techniques for:

A. in-vitro studies

1. Cardiovascularsystem

- Rabbit/Rat aorta
- Guinea-pig atria
- Langendorff s isolated heart experiments

2. Gastrointestinal system

- Rabbit jejunum
- Guinea-pig Ileum
- Guinea-pig gall bladder
- Rat stomach fundus

3. Respiratory system

- Rabbit trachea
- Guinea-pig trachea

4. Reproductive system

- Rat Uterus-

B. in-vivo studies

1. *In vivo* Dependence studies (rats)
2. *In vivo* Depression studies (rats)
3. *In vivo* analgesia measuring studies (rats)
4. *In vivo* BP measuring studies (rats)
5. *In vivo* Antidiarrheal studies (mice)
6. *In vivo* Laxative studies (mice)
7. *In vivo* Bronchodilatory studies (rats)
8. *In vivo* Gastrokinetics studies (mice/rats)
9. *In vivo* behavioural studies (rats)
10. *In vivo* Toxicity studies (mice)

PUBLICATIONS:

1. **Munasib Khan** and Anwarul Hassan Gilani. Studies on Blood Pressure Lowering, Vasodilator and Cardiac Suppressant Activities of Vitex negundo: Involvement of K⁺ Channel Activation and Ca⁺⁺ Channel Blockade. International Journal of Pharmacology 11(2):137-142 · (2015).ISSN 1811-7775. DOI: 10.3923/ijp.2015.137.142.
2. **Munasib Khan**, Abdul Jabbar Shah and Anwarul Hassan Gilani (2015). Insight

Into the bronchodilator activity of *Vitex negundo*. Journal of Pharmaceutical biology
<http://informahealthcare.com/eprint/wmPtw4pMBvEtsHW6UHRM/full>

3. **Munasib Khan** Najeeb-ur-Rehman, Arif-ullah Khan and Anwarul-Hassan Gilani
Blood Pressure Lowering Effect of *Morus alba* is Mediated Through calcium
Antagonist Pathway. International Journal of Pharmacology. 10(4):225-230. 2014
ISSN 1811-7775 DOI;10.3923/ijp (2014).
4. **Munasib Khan** Najeeb-ur-Rehman, Arif-ullah Khan and Anwarul-Hassan Gilani
Cardiovascular inhibitory properties of *Lens culinaris*. Journal of the Bangladesh
Pharmacological Society (BDPS); www.bdps.info Bangladesh J Pharmacol (2014) 9:
303-306. Journal homepage: www.banglajol.info. ISSN: 1991-0088; DOI:
10.3329/bjp.v9i3.19090.
5. **Munasib Khan** Najeeb-ur-Rehman, Arif-ullah Khan and Anwarul-Hassan Gilani
Blood pressure lowering, vasodilator and cardiac-modulatory potential of *Carum
roxburghianum* seed extract. Clinical and Experimental Hypertension
<http://informahealthcare.com/ceh> ISSN: 1064-1963 (print), 1525-6006 (electronic)
Clin Exp Hypertens, Early Online: 1–6 (2014) Informa Healthcare USA, Inc. DOI:
10.3109/10641963.2014.913602.
6. **Munasib Khan** Najeeb-ur-Rehman, Arif-ullah Khan and Anwarul-Hassan Gilani
Pharmacological basis for the medicinal use of *Lens culinaris* in gastrointestinal and
respiratory disorders. PHYTOTHERAPY RESEARCH Phytother. Res. (2014)
Published online in Wiley Online Library. [wileyonlinelibrary.com](http://www.wileyonlinelibrary.com))
DOI:0.1002/ptr.5136 [<http://www.ncbi.nlm.nih.gov/pubmed/24610729>].
7. **Munasib Khan**, Fazal Subhan, Arif ullah Khan, Muzafar Abbas, Gowhar Ali,
Khalid Rauf and Anwar Gilani. Nature cures nature; Attenuation of physical
withdrawal signs in opium dependent rats by *Hypericum perforatum* (2013).
Pharmaceutical Biology. Informa Healthcare. 52(5); 586-590.
(<http://informahealthcare.com/doi/abs/10.3109/13880209.2013.854811>)
<http://informahealthcare.com/doi/pdfplus/10.3109/13880209.2013.854811>
8. **Munasib Khan**, Abdul Jabbar Shah and Anwarul Hassan Gilani (2013).
Antidiarrheal and antispasmodic activities of *Vitex negundo* are mediated through
calcium channel blockade. Bangladesh J. Pharmacol; 8: 317-322.
(www.bdjpharmacol.com)
9. **Munasib Khan** Najeeb-ur-Rehman, Arif-ullah Khan and Anwarul-Hassan Gilani
(2012). Pharmacological basis for the medicinal use of *Morus alba* in gut and
Airways disorders. A Journal of the Bangladesh Pharmacological Society (BDPS)
Bangladesh J Pharmacol 2012; 7: 289-298. Journal homepage: www.banglajol.info;
www.bdjpharmacol.com
10. **Munasib Khan**, Arif-ullah Khan, Najeeb-ur-Rehman, Anwarul-Hassan (2012)
Gilani. Gut and airways relaxant effects of *Carum roxburghianum* Journal of
Ethnopharmacology 141 938– 946.
11. **Munasib Khan**, Arif-ullah Khan, Najeeb-ur-Rehman, Muhammad Abdullah Zafar,
Ali Hazrat, Anwarul-Hassan Gilani (2012). Cardiovascular Effects of *Juniperus
excelsa* Are Mediated Through Multiple Pathways. Clinical and Experimental
Hypertension. Informa Healthcare USA, Inc. 34,209–216
12. **Munasib Khan** Arif-ullah Khan Najeeb-ur-Rehman Anwarul-Hassan Gilani,
(2011). Pharmacological explanation for the medicinal use of *Juniperus excelsa* in

hyperactive gastrointestinal and respiratory disorders. *Journal of Natural Medicine*
The Japanese Society of Pharmacognosy and Springer. 66, 292–301.

13. Arif-ullah KHAN Anwarul-Hassan GILANI, **Munasib KHAN** & Fazal SUBHAN, (2011). Pharmacological Explanation for Medicinal Use of St. John's Wort in the Hypo-Motility Disorder of Gut. *Latin American Journal of Pharmacy* (formerly *Acta Farmacéutica Bonaerense*) Lat. Am. J. Pharm. 30 (3) 1-4.
14. Abbas M., Subhan F., Mohani N., Rauf K., Ali G. and **Khan M**, (2011). The involvement of opioidergic mechanisms in the activity of *Bacopa monnieri* extract and its toxicological studies. *African Journal of Pharmacy and Pharmacology* Vol. 5(8), pp.1120-1124, August 2011 (<http://www.academicjournals.org/ajpp>).
15. Arif-ullah Khan, **Munasib Khan**, Fazal Subhan, Anwarul Hasan Gilani. Antispasmodic, bronchodilator and blood pressure lowering activities of *Hypericum oblongifolium* are mediated through calcium channel blockade, (2009). *Phytother. Res* Wiley Inter Science, 24. 1027–103.
16. Anwarul Hassan Gilani, Arif-Ullah Khan, Fazal Subhan, **Munasib Khan**, (2005). Antispasmodic and bronchodilator activities of St John's Wort are putatively mediated through dual inhibition of calcium influx and phosphodiesterases. *Fundamental & Clinical Pharmacology journal compilation 2005* Blackwell Publishing Ltd. 19, 695- 705.
17. F. Subhan, **M. Khan**, M Ibrar, Nazar-ul-Islam, A. Khan, and A.H. Gilani (2007). Antagonism of antinociceptive effect of hydroethanolic extract of *Hypericum perforatum* Linn. By a non selective opioid receptor antagonist, Naloxone, Pakistan. *Journl. Biolog. Sciences*. 10 (5), 792-796.
18. Muzaffar Abbas, Fazal Subhan, Khalid Rauf, **Munasib Khan**, Syed Nadeem-ul-Hassan Mohani. The involvement of biogenic amines in the antidepressant effect of *bacopa monnieri* 2011. *Pharmacologyonline* 1: <http://pharmacologyonline.silae.it/files/archives/2011/vol1/010.abbass.pdf>

Departmental level collaborations:

1. Antidiabetic activity and histopathological analysis of carnosol isolated from *Artemisia indica* linn in Streptozotocin induced diabetic rats" has been accepted for Publication in *Medicinal Chemistry Research*. Accepted for publication in *Medicinal Chemistry Research* <em@editorialmanager.com>: #MCRE-D-15-00264R19 November 2016 at 1:46:31 AM GMT+5
2. Amelioration of CCl4 induced hepatotoxicity by *Ziziphus oxyphylla* Edgew is mediated by pentacyclic triterpenes" Abdullah Khan; Mir Azam Khan, Achyut **Adhikari**; Waqar Ahmad; Munasib Khan; Ijazud Din BCAM-D-17-00156: Feb 7, 2017 *BMC Complementary & Alternative Medicine* <https://bmccomplementalmed.biomedcentral.com/>
3. Fabrication, characterization, in-vitro and in-vivo evaluation of niclosamide loaded solid lipid nanoparticles to enhance oral bioavailability" Mir Azam Khan; Maqsood Ur Rehman; Waheed S Khan; Waqar Ahmad; Muhammad Shafique; Munasib Khan. *DARU Journal Of Pharmaceutical Sciences* Editorial Office <darujps@biomedcentral.com>

CONFERENCES AND WORKSHOPS ATTENDED:

1. Workshop on "Use of Power-Lab" (3th -4th July 2012) at AKU, Karachi, Pakistan.

2. Annual Conference as “Emergency medicines” (June 2011) at AKU, Karachi, Pakistan.
3. Conference: All about Hypertension (Sep. 2011) at AKU, Karachi, Pakistan.
4. Workshop : “Recent advances in Pathology and Toxicology” (10th -30th July 2009) at DOW University, Karachi, Pakistan.
5. Conference as “Old plants new remedies” (9 and 10th June 2008) University of Malakand.
6. Pharmacological basis for use of *Hypericum perforatum* in asthma, diarrhea and spasms. 9th international symposium on “Natural product chemistry”. Jan.10-13, 2004, Karachi, Pakistan.
7. Laxative and Antispasmodic Action of *Valeriana wallichii* leaves. 1st Annual Symposium Dow University of Health Sciences . 16th-20th Dec.,2004.