

RESUME

PERSONAL BIODATA



Name: Munasib Khan

Domicile : Mohmand Agency

Present Address: D/12, Professors Colony, University of Malakand.

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QUALIFICATION

Bachelor of Pharmacy

M.Phil. (Pharmacology)

Ph.D (Pharmacology)

PROFESSIONAL EXPERIENCE

Teaching at Department of Pharmacy, University of Malakand (since Sept.2005).

RESEARCH EXPERIENCE (Pharmacology):

A. CNS pharmacology

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

B. CVS, Respiratory Tract, GIT Pharmacology

2. Calcium antagonistic activity in smooth muscle, both on voltage dependent and internal stored calcium.

3. Alpha adrenergic receptor antagonistic activity

4. Phosphodiesterase inhibitory activities

5. Cholinergic and anticholinergic activities.

C. Animals laboratory management

RESEARCH COLLABORATION:

1. Department of Pharmacy, University of Peshawar.
2. The AGA Khan University, Krachi

RESEARCH TECHNIQUES AND SKILLS:

A. Basic Pharmacological in-vitro experimental techniques

1. Cardiovascular system

- Rabbit 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. Basic Pharmacological in-vivo experimental techniques

1. *In vivo* BP measuring studies (rats)

2. *In vivo* Antidiarrheal studies (mice)

3. *In vivo* Laxative studies (mice)

4. *In vivo* Bronchodilatory studies (rats)

5. *In vivo* Gastrokinetics studies (mice/rats)

6. *In vivo* behavioural studies (rats)

7. *In vivo* Toxicity studies (mice)

MEMBERSHIPS:

1. Member of Market and food committee (current)
2. Member of Graduate study committee
3. Member of admission forms cross-checking committee

4. Member of departmental committee for new admissions
5. Member of departmental committee for purchase

GRADUATE STUDENTS/ POSTGRADUATE STUDENTS

- 1...Graduate approximately 80 students
- 2...M.Phil. 10 students
- 3...PhD 2 students

RESEARCH INTEREST

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

PUBLICATIONS:

Munasib Khan, Fazal Subhan, Arif ullah Khan, Muzafar Abbas, Gowhar Ali, Khalid Rauf and Anwar Gilani. (2013) Nature cures nature; Attenuation of physical withdrawal signs in opium dependent rats by *Hypericum perforatum*. (submitted to BMC)

Munasib Khan Najeeb-ur-Rehman, Arif-ullah Khan and Anwarul-Hassan Gilani
Pharmacological basis for the medicinal use of *Morus alba* in gut and airways disorders. *Bangladesh J Pharmacol* 2012; 7: 289-298

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

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

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.

Arif-ullah KHAN Anwarul-Hassan GILANI, **Munasib KHAN** & Fazal SUBHAN, 2011. Pharmacological Explanation for Medicinal Use of St. John's Wort in TheHypo-Motility Disorder of Gut. Latin American Journal of Pharmacy (formerly Acta Farmacéutica Bonaerense)Lat. Am. J. Pharm. **30** (3) 2011

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>) , 5(8), 1120-1124.

Muzaffar Abbas, Fazal Subhan, Khalid Rauf, **Munasib Khan**, Syed Nadeem-ul-Hassan, 2011. The involvement of biogenic amines in the antidepressant effect of bacopa Pharmacologyonline 1: 112-123.

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.ResWiley Inter Science, 24. 1027–103.

F. Subhan , **M. Khan** , M Ibrar , Nazar-ul-Islam , A. Khan , and A.H. Gilani 2007. Antagonism of antinociceptive effect of hydroethanolic extract effect of Hypericum perforatum Linn. By a non selective opioid receptor antagonist, Naloxone, Pakistan. Journl. Biolog. Sciences. 10 (5), 792-796.

AnwarulHassan Gilanin, Arif-Ullah Khan, Fazal Subhan, **Munasib Khan**, 2005. Antisposmodic 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.

Subhan , F. **Khan** , M. Ibrar , M Nazar-ul-Islam , Gilani, A.H. Khan, A.2004. Effect of aqueous ethanol extract of Hypericum perforatum on Naloxone-precipitated withdrawal syndrome. Iranian Journal. Pharmaceutical Research. 3 (2), 118.

SKILLS IMPROVING PROGRAMMES:

1. Use of Power Lab (July 2012) at AKU, Karachi
2. Recent advances in Pathology and Toxicology(July 2009) at DOW university,Karachi
3. Annual Emergency medicines Conference(June 2011) at AKU, Karachi
4. All about Hypertension(Sep. 2011) at AKU, Karachi