

CURRICULUM VITAE

Dr. Muhammad Ahmed

Faculty of Pharmacy, Department of Pharmacology,
Umm Al-Qura University, Makkah Al Mukarramah, Kingdom Of Saudi Arabia.

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PERSONAL INFORMATION

Father's Name Mr. Masood ul Hasan Siddiqui
Nationality Pakistani
Date of Birth 08-12-1967
Marital Status Married
Permanent Mailing Address: House No.1132 / 2 Azizabad,
Karachi, Pakistan
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Title: Assistant Professor
Date Appointed Academic Area: 10/07/1429H

EDUCATION (including Bachelors, Masters, Doctorate, Clinical Training):

DEGREE	UNIVERSITY OR INSTITUTION	ACADEMIC FIELD	YEAR
Ph.D	Faculty of Pharmacy Hamdard University, Karachi, Pakistan	Pharmacology	2008
M.Phil	Faculty of Pharmacy Hamdard University, Karachi, Pakistan	Pharmacology	2002
M.sc.	Faculty of Science University of Karachi, Karachi, Pakistan	Genetics	1990
B.sc.	Faculty of Science University of Karachi, Karachi, Pakistan	Biological Sciences	1987
PGD	Faculty of Science University of Karachi, Karachi, Pakistan	Statistics	1991

RESEARCH TRAINING:

Dates From To	Institution	Department
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1991 – 2007	Dr. HMI Institute of Pharmacology & Herbal Sciences, Hamdard University Karachi 74600.Pakistan	Pharmacy
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ACADEMIC POSITIONS HELD:

Dates From To	Institution	Department	Position
July 2008 to till date	Faculty of Pharmacy Umm Al-Qura University, Makkah, Saudi Arabia	Pharmacology	Assistant Professor
1999-2007	Faculty of eastern Medicine Hamdard University Karachi	Pharmacology	Assistant Professor
Jan 2002 - Dec 2007	Faculty of Pharmacy	Pharmacology	Assistant Professor
Jan 2002 - Dec 2007	Dr. HMI Institute of Pharmacology & Herbal Sciences, Hamdard University Karachi 74600.Pakistan	Pharmacology (Faculty of pharmacy)	Assistant Director/Assistant Professor
Jan 1997 – Dec 2001	As above	As above	Research Associate
July 1991 – Dec 1996	As above	As above	Lab Technician

OTHER POSITIONS HELD:

Dates From To	Institution	Department	Position
2003	University of Karachi	Faculty of Pharmacy, university of Karachi, Pakistan	External Examiner for M. Pharm. (Pharmacology)

2004	University of Karachi	Faculty of Pharmacy, university of Karachi, Pakistan	External Examiner for M. Pharm. (Pharmacology)
2004-2008	Hamdard University	Faculty of Pharmacy,	Internal Examiner for Pharmacology, B. Pharm. & Pharm. D. studies
2002-2007	Hamdard University	Faculty of Pharmacy,	Factotum.
2008	Hamdard University	Faculty of Pharmacy,	Co-supervisor for M.phil

ADMINISTRATIVE RESPONSIBILITIES IN HAMDARD UNIVERSITY

1. Preparing departmental budget
2. Maintain accounts and purchases of the Institute and Faculty of Pharmacy, Hamdard University.
3. Responsible for Annual Audit of the institute.
4. Responsible for the maintenance of all the laboratory equipments
5. Administrator the admission process of B. Pharmacy and Pharm. D. Admissions, Hamdard University, Karachi including publication of prospectus and admission forms.

MEMBERSHIPS

1. Member Pakistan Pharmacological Society
2. Member Board of Studies, Faculty of Pharmacy Hamdard University Karachi. Pakistan
3. Member Research Committee, Faculty of Pharmacy, Umm Al-Qura University Makkah Al Mukarramah, Kingdom Of Saudi Arabia.
4. Member Safety & Maintenance Committee, Faculty of Pharmacy, Umm Al-Qura University Makkah Al Mukarramah, Kingdom Of Saudi Arabia.

MASTER PROJECT SUPERVISED

1. **Studies on Hepato-protective properties of some Natural Compounds”** at Department of Pharmacology, Faculty of Pharmacy Hamdard University Karachi. Pakistan. (For M.Phil)

GRADUATION&RESEARCH PROJECTS SUPERVISED

2. **“Possible Modulating effect of Selective Serotonin Reuptake Inhibitors on the Analgesic Effect of Paracetamol in acute Pain”**at Department of Pharmacology &Toxicology, Faculty of Pharmacy Umm Al Qura University in 2011 Makkah Al Mukarramah, Kingdom Of Saudi Arabia.
3. **“Synergistic effect of selective H₁ and H₂ blocker on the Analgesic effect of Aspirin in acute pain”** Department of Pharmacology &Toxicology, Faculty of Pharmacy Umm Al Qura University in 2012 Makkah Al Mukarramah, Kingdom Of Saudi Arabia.
4. **A preliminary investigation of a possible blood pressure lowering activity of marjoram (*origanum majorana*)** Department of Pharmacology &Toxicology Faculty of Pharmacy Umm Al Qura University in 2013 Makkah Al Mukarramah, Kingdom Of Saudi Arabia
5. **Screening of possible blood pressure lowering effect of some crude extracts of wild growing plants in KSA.** Department of Pharmacology &Toxicology Faculty of Pharmacy Umm Al Qura University in 2014 Makkah Al Mukarramah, Kingdom Of Saudi Arabia
6. **Effects of Aspirin on CCl₄ induced liver fibrosis on rats.** Department of Pharmacology &Toxicology Faculty of Pharmacy Umm Al Qura University in 2015 Makkah Al Mukarramah, Kingdom Of Saudi Arabia
7. **Synthesis and Biologica Evaluation of A pyrrolizine-Ibuprofen Hybrid molecule as Analgesic Anti-inflammatory Agent.** Department of Pharmacology &Toxicology Faculty of Pharmacy Umm Al Qura University in 2016 Makkah Al Mukarramah, Kingdom Of Saudi Arabia

Funded Research Projects: (CO.I)

1. Hypoglycemic and antidiabetic activity of *Acacia tortilis*, in normal and streptozotocin induced diabetic rats and isolation of an active fraction and toxicity evaluation of the extract.**(Completed)**
2. 13-MED-873-10, NSTIP, KACST. Treatment of breast cancer and / or colon cancer using novel compounds That target multi-target tyrosine kinase pathways.**(In Progress)**
3. Preparation and Development Through Computer-Aided Drug Design of bifunctional Hybrid agents with combined anti hyperglycemic anticancer activities and antihyperglycemic cardioprotective activities**(Approved).**

SCIENTIFIC CONFERENCES/WORKSHOP ATTENDED:

1. First Biennial Conference on Pharmacology and Therapeutics. (January 1993).
2. 2nd Biennial Conference on Pharmacology and Therapeutics. (January 1995)
3. 3rd Biennial Conference on Pharmacology and Therapeutics. (January 2005)
4. Seminar on Examination standard (August 6,2005)
5. 4th International Symposium on Emerging Dimensions of Health Care. (January 20-21, 2004).Karachi
6. Symposium on Role of Traditional/alternative medicine in health care – in and beyond 2000 A.D from October 30th – November 2nd 2000, held in Karachi
7. Active participation in the "Pharmacology Laboratory Simulations Workshop, held on 18-19 January, 2009 at King Abdul-Aziz University, Jeddah.
8. Emerging Molecular Targets in Cancer Therapy and Drug Development (From Research Labs to Pharmaceutical Industries). 16–18 March 2013 Umm Al-Qura University Makkah
9. 2nd Makkah international conference for pharmacy and exhibition 23-24 April 2012 Makkah
10. Workshop on eLearning & Distance Learning 27-31 October 2013 at Umm Al Qura University Makkah.
11. UQU 1st Pharmaceutical conference From Bench to Beside 13-14 2016 at Security Forces Hospital Makkah.

LIST OF PUBLICATIONS

1. Effect of thirst stress on the production of phytochemical constituents of *Rhazya stricta* plant and analgesic activity of its bioactive fractions Usama Shaheen **and Muhammad Ahmed** World Journal of Pharmaceutical Research 2015; 4, (6) 445-455.
2. Acute Toxicity (Lethal Dose 50 Calculation) of Herbal Drug Somina in Rats and Mice. **Muhammad Ahmed** Pharmacology & Pharmacy March 2015 , 6, 185-189
<http://dx.doi.org/10.4236/pp.2015.63019>
3. Pharmacological Evidence of Hypotensive Activity of Somina (Herbal drug) in Normotensive Rats. A Azmat and **Muhammad Ahmed**. Tropical Journal of Pharmaceutical Research November 2014; 13 (11): 1863-1866.
<http://dx.doi.org/10.4314/tjpr.v13i11.13>
4. Two-generation Reproductive Toxicity Study of Barrisal (Herbal Drug) on the Sprague Dawley Rats. **Muhammad Ahmed**, Aisha Azmat. Annual Research & Review in Biology. 11/2014; 21(4):3197-3202. DOI : 10.9734/ARRB/2014/11275
5. Acute Toxicity (Lethal Dose 50 Calculation) and Histopathological effects of Methanolic extract of *BERBERIS VULGARIS* in mice. **Muhammad Ahmed**,

- Aisha Azmat. World Journal of Pharmaceutical Research. 11/2014. 3(8), 1439-1448.
6. Hypotensive activity, toxicology and histopathology of different extracts of *Berberis vulgaris*. Aisha Azmat and **Muhammad Ahmed**. **Journal of Medicinal Plant Research** Vol. 8(8), pp. 378-385, 25 February, 2014 **DOI: [10.5897/JMPR2013.5310](https://doi.org/10.5897/JMPR2013.5310)**
 7. Preliminary hepatoprotective activity of Jigarine CL on Carbon Tetra Chloride induced hepatic damage in rats. **Muhammad Ahmed**, Aisha Azmat, Navaid-Ul-Zafar and Salahuddin. **International Journal of Phytopharmacy**. Vol. 4 (1), pp.16-19, Jan-Feb 2014 ISSN: 2277-2928 (Online). **Journal DOI: [10.7439/ijpp](https://doi.org/10.7439/ijpp)**
 8. Paroxetine Augments while Naloxone Abolishes the Analgesic Effect of Paracetamol in Acute Nociceptive Pain in Mice Mohammad Raafat Raafat, Waleed Al Malki, **Muhammad Ahmed**. **Pharmacology & Pharmacy** 2013, 4 , 398-405. **DOI: [10.4236/pp.2013.44057](https://doi.org/10.4236/pp.2013.44057)**
 9. Hepatoprotective effect of Barrisal (herbal drug) on carbon tetrachloride induced hepatic damage in rats **Muhammad Ahmed**, Aisha Azmat, M. A. Azeem, Naviad-ul- Zafar and S. I. Ahmed. **African Journal of Pharmacy and Pharmacology**. Vol. 7(15), pp. 776-784, 22 April, 2013. **DOI: [10.5897/AJPP2012.1525](https://doi.org/10.5897/AJPP2012.1525)**
 10. Enhanced memory processes under the influence of herbal drug Somina and its effect on brain serotonin. Aisha Azmat, **Muhammad Ahmed**, Saida Haider, Darakshan Jabeen Haleem, Navaid-ul- Zafar and Syed Iqbal Ahmad **African Journal of Pharmacy and Pharmacology** Vol. 6(33), pp. 2458-2463, 5 September, 2012. **DOI: [10.5897/AJPP12.024](https://doi.org/10.5897/AJPP12.024)**
 11. Hypotensive activity of methanoloic extract of *Bereberies vulgaris* root pulp and bark in rats Aisha Azmat, **Muhammad Ahmed**, and S. I. Ahmed **Pakistan Journal of Pharmacology** Vol.26(2), 1-6 (2009)
 12. Neuropharmacological profile of Somina (Herbal Drug) in mice and rats, Aisha Azmat, **Muhammad Ahmed**, , Navaid-ul-Zafar and S. I. Ahmed **Pakistan Journal of Pharmacology** Vol.25(2), 53-58 (2008)
 13. Effect of cream containing *Melia azedarach* Flowers on bacterial infections in human. Rubeena Saleem, Rizwana Rani, **Muhammad Ahmed**, Farzana Sadaf, S.I. Ahmad, Navaid ul Zafar, Sobia and Shaheen Faizi, (2008). **Phytomedicine**, 15, 231-238. **doi: [10.1016/j.phymed.2008.02.002](https://doi.org/10.1016/j.phymed.2008.02.002)**
 14. Healing Potential of Cream Containing Sphaeranthus Indicus Extract on Dermal Wounds in Guinea pigs, Farzana Sadaf, Rubeena Saleem, **Muhammad Ahmed**, S. I. Ahmad and Navaid-ul-Zafar. **Journal of Ethnopharmacology** (Netherlands) 107 (2) 161-163 (2006). **doi: [10.1016/j.jep.2006.02.022](https://doi.org/10.1016/j.jep.2006.02.022)**

15. Antinociceptive Effects of Poly Herbal Oil Extract (PHOE). AISHA AZMAT, KHAWAJA ZAFAR AHMED*, **Muhammad Ahmed**. and Bilquis Tariq. Pakistan Journal of Pharmacology Vol.23, No.2, July 2006, pp.1-7
16. Hypotensive Activity, Toxicology and Histopathology Opuntioside-I and Methanolic Extract of *Opuntia dillenii*, Rubeena Saleem, **Mohammad Ahmed**, Aisha Azmat, Syed Iqbal Ahmad, Zareen Faizi, Lubna Abidi and Shaheen Faizi. **Biol. Pharm. Bull.** (Japan). 28 (10) 1844 (2005). <http://dx.doi.org/10.1248/bpb.28.1844>
17. Hypotensive and Toxicological study of constituents from Polyalthia longifolia : Rubeena Saleem, **Mohammad Ahmed** and Syed Iqbal Ahmad, Rashid Ali Khan, Najma, and Shaheen Faizi, **Phytotherapy Research (England)** 19(10): 881 (2005). DOI: 10.1002/ptr.1732
18. Hypotensive and toxicological studies on constituents from roots of *Tagetes patula*, Rubeena Saleem, **Mohammad Ahmad**, Aneela Naz, Syed Iqbal Ahmad and Shaheen Faizi. **Archives of Pharmacal Research (Korea)**. 27 (10), 1037 (2004).
19. Effect of Herbal Drug Somina on neurotransmitter Dopamine. Aisha Azmat, **M. Ahmed**, Saida Haider, Darakhshan .J. Haleem, Navaid-ul-Zafar and S. I. Ahmed **Pakistan Journal of Pharmacology** Vol.21(1), 65-67 (2004)
20. Dose-Response curve of Somina (Herbal Preparation) : A study on Frog heart. **M. Ahmed**, Aisha Azmat, M. A. Azeem, Navaid-ul-Zafar and S. I. Ahmed, **Pakistan Journal of Pharmacology** Vol.21(2), 19-22 (2004)
21. Hypotensive activity and toxicology of constituents from Bombax ceiba Stem Bark, Rubeena Saleem, Syed Iqbal Ahmed, **Mohammad Ahmed**, Zareen Faizi, Sadia Zikr-ur-Rehman, Muhammad Ali and Shaheen Faizi, **Biological Pharmaceutical Bulletin** (Japan) 26(1) 41 (2003). <http://dx.doi.org/10.1248/bpb.26.41>
22. Hypotensive effect of chemical constituents from *Aloe barbadensis*, Rubeena Saleem, **M. Ahmed**, S.A. Hussain, A.M. Qazi, S.I.. M. Ali, S. Faizi. S. Akhtar and S.N. Husnain, **Planta Medica** (Germany) 67 (8), 757-760 (2001). DOI: 10.1055/s-2001-18348
23. Hypotensive activity of Dilsukh (Herbal drugs). **M. Ahmed**, Azeem, M.A., Zafar, N. and Ahmad, S.I., **Pakistan Journal of Pharmacology** 17, 7-14 (2000).
24. Hypotensive, hypoglycaemic and toxicological studies on Shamimin a novel flavonol C-glycoside from *Bombax ceiba*, Rubeena Saleem, **M. Ahmed**, S.A. Hussain, A.M. Qazi, S.I. Ahmad, M.H. Qazi, . M. Ali , S. Faizi. S. Akhtar and S.N. Husnain, **Planta Medica**, 65 (4), 331-334 (1999). DOI: 10.1055/s-1999-14060
25. Effects of Dilsukh (herbal drug) on cardiac parameters. **M. Ahmed**, Azeem, M.A. and Ahmad, S.I, **Pakistan Journal of Pharmacology**. 16, 17-23 (1999)

26. Preliminary pharmacological studies on some traditional herbal medicines, Rubeena Saleem, **M. Ahmad**, S.A, Hussain, A. Dar, A. Saeed and S.I. Ahmad, **Pakistan Journal of Pharmacology.**, **15**, 49-55, (1998).
27. Effect of the local species of *Aloe* on the healing process. S.A, Hussain, **M. Ahmad**, Rubeen Saleem, and S.I. Ahmad, **Pakistan Journal of Pharmacology**, **15**, 31, (1998).

PRESENTATIONS

1. Healing Potential of Cream Containing *Sphaeranthus indicus* extract on dermal wounds. Farzana Sadaf, Rubeena Saleem, **Mohammad Ahmed**, Syed Iqbal Ahmad and Navaid-ul-Zafar. Presentation in 3rd Biennial Conference on Pharmacology and Therapeutics held in Karachi, on January 14 & 17, 2005
2. Physiological and pharmacological Effects of Somina (Herbal Drug) on Cardiac Parameters. January 2005. Third Biennial Conference on Pharmacology and Therapeutics.
3. Hepatoprotective Effect of Barrisal on Carbon Tetra chloride induced Hepatic Damage in Rats. January 2005. Third Biennial Conference on Pharmacology and Therapeutics.
4. Antinociceptive Effects of Herbal Oil. January 2005. Third Biennial Conference on Pharmacology and Therapeutics
5. Physiological and pharmacological effects of Somina (Herbal Drug) on cardiac parameters, Aisha Azmat, **M. Ahmed**, M. A. Azeem, Navaid-ul-Zafar and S. I. Ahmad, poster presented in fourth international symposium held January 20-21, 2004 at Bait-al-Hikmah Auditorium, Hamdard University, Karachi.
6. Pharmacological biochemical and toxicological study of Aftimooni, Farzana Sadaf, **M. Ahmed**, Navaid-ul-Zafar and S. I. Ahmed, poster presented in fourth international symposium held January 20-21, 2004 at Bait-al-Hikmah Auditorium, Hamdard University, Karachi
7. Phytochemical, Pharmacological and toxicological Analysis of some herbal medicines. January 2004. 4th International Symposium on Emerging Dimensions of Health Care. (January 20-21, 2004).
8. Hypotensive principle from *Opuntia dillenii*., Lubna, Abidi, and Shaheen Faizi, Rubeena Saleem, Syed Iqbal Ahmad, **Mohammad Ahmed**, Aisha Azmat, Poster presentation in 9th International Symposium on Natural Product Chemistry. held in Karachi from January 10-13th 2004
9. Phytochemical, Pharmacological and Toxicological analysis of some herbal medicines. Rubeena Saleem, Syed Iqbal Ahmad, **Mohammad Ahmed**, Aisha Azmat, Lubna Abidi, and Shaheen Faizi. Presentation in 4th International

- Symposium on Emerging Dimensions of Health Care held in Karachi from January 20-21, 2002.
10. Chemistry, Pharmacology, and Toxicology of constituents from *Bombax ceiba* : Isolation of a Novel, Dimeric (+) – Epicatechin Glycoside, Sadia Zikr-ur-Rehman, Shaheen Faizi, Rubeena Saleem, Syed Iqbal Ahmad, Zareen Faizi, **M. Ahmed** and M. Ali. Poster presentation in 7th Eurasia Conference on Chemical Sciences held in Karachi from March 8-12, 2002.
 11. Chemistry and Pharmacology, of constituents from *Polyalthia longifolia* : Rashid Ali Khan, Najma, Shaheen Faizi, Rubeena Saleem, **Mohammad Ahmed** and Syed Iqbal Ahmad. Poster presentation in 7th Eurasia Conference on Chemical Sciences held in Karachi from March 8-12, 2002.
 12. Hypotensive activity of Dilsukh (Herbal drugs). **M., Ahmed.** Azeem, M.A., Zafar, N. and Ahmad, S.I. Presented in symposium on Role of traditional/alternative medicine in health care – in and beyond 2000 A.D from October 30th – November 2nd 2000, held in Karachi
 13. New antihypertensive constituents from *Aloe barbadensis*, Rubeena Saleem, S. Faizi, B. S. Siddiqui, **M. Ahmad**, S.A. Hussain, A. Dar, S.I. Iqbal and M.H. Qazi, Proceeding of the international symposium on new drug development, held in New Delhi, India (6-8 Feb. 1998).
 14. Structure elucidation of chemical constituents from *Aloe barbadensis* and determination of antihypertensive activity. Rubeena Saleem, S. Faizi, B. S. Siddiqui, **M. Ahmad**, Syed Ahmad Hussain, A. Dar, S. I. Ahmad and M.H. Qazi. Proceeding of the 7th international symposium on Natural product Chemistry, held in Karachi, (Dec. 28 1997- Jan 1 1998).

BOOKS/MANUAL WRITTEN:

Practical in systemic pharmacology	Part 1
Practical in systemic pharmacology	Part 2

Google Scholar and Research Gate Link

<https://scholar.google.com/citations?user=70kadDYAAAAJ&hl=en>

https://www.researchgate.net/profile/Muhammad_Ahmed