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Dr. Muhammad Ahmed

Ph.D (Pharmacology), M.Phil. (Pharmacology), PGD (Statistics), M.Sc. (Genetics),
B.Sc (Biological Sciences)

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

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

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- Education**
- **PhD:** 2008, in specialty of Pharmacology from Faculty of Pharmacy. Hamdard University, Karachi, Pakistan.
 - **M.Phil.:** 2002, in specialty of Pharmacology from Faculty of Pharmacy. Hamdard University, Karachi, Pakistan.
 - **PGD:** 1991, Post Graduate Diploma in Statistics from Faculty of Science. University of Karachi, Pakistan.
 - **M.Sc:** 1990, Master of Science in specialty of Genetics from Faculty of Science. University of Karachi, Pakistan.
 - **B. Sc:** 1987, Bachelor of Science in specialty of Biological Sciences from Faculty of Science. University of Karachi, Pakistan.

**Professional
Experience**

TEACHING & ADMINISTRATIVE EXPERIENCE:

**Saudi Arabia
Experience
July 2020 to-
date**

- **ASSOCITE PROFESSOR OF PHARMACOLOGY/CO-INVESTIGATOR**
:
Sheikh Saleh Serafi Chair for Research of Coronary heart disease (SCRCHD).
Department of Physiology College of medicine Umm Al Qura University
Al-Abdiyya Makkah KSA. Since October 2020 to-date.

**July 2008 to-
June 2020**

- **ASSOCITE PROFESSOR OF PHARMACOLOGY:**
Faculty of Pharmacy. Umm Al- Qura University, Makkah, Saudi Arabia. Since
July 2019 to June 2020.

**Pakistan
Experience**

**July 1991 to
June 2008**

- **ASSITANT PROFESSOR OF PHARMACOLOGY:**
Faculty of Pharmacy. Umm Al- Qura University, Makkah, Saudi Arabia.
Since July 2008 to June 2019.
- **ASSITANT PROFESSOR OF PHARMACOLOGY:**
Faculty of Pharmacy. Hamdard University, Karachi, Pakistan.
Since **Jan 2002 – June 2008.**
- **ASSITANT DIRECTOR:**
Dr. HMI Institute of Pharmacology & Herbal Sciences, Hamdard University
Karachi 74600.Pakistan from **Jan 2002 – June 2008.**
- **ADJUNCT FACULTY (ASSITANT PROFESSOR):**
Faculty of Eastern Medicine. Hamdard University, Karachi, Pakistan. From **Jan
2002 – June 2008.**
- **RESEARCH ASSOCIATE:**
Dr. HMI Institute of Pharmacology & Herbal Sciences, Hamdard University
Karachi 74600.Pakistan from **Jan 1997 – Dec 2002.**
- **RESEARCH SCIENTIST: July 1991 to June 2008**
Research Scientist at Faculty of Pharmacy. Dr. HMI Institute of Pharmacology
& Herbal Sciences, Hamdard University Karachi 74600.Pakistan from July
1991 to Jan 1997.

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.
6. Establish and Supervise Animal house in the Faculty of Pharmacy Hamdard University Karachi.
7. Establish and Supervise Animal house in the Faculty of Pharmacy Umm Al Qura University Makkah, Saudi Arabia.

INSTITUTIONAL COMMITTEE MEMBER

1. Member Board of Studies, Faculty of Pharmacy Hamdard University Karachi. Pakistan
2. Member Board of Studies, Faculty of Pharmacy, Umm Al-Qura University Makkah Al Mukarramah, Kingdom of Saudi Arabia.
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.
5. Member of the Faculty recruitment committee Faculty of Pharmacy, Umm Al-Qura University Makkah Al Mukarramah, Kingdom of Saudi Arabia.
6. Member of the Institutional review board Scientific research Ethics committee Faculty of Pharmacy, Umm Al-Qura University Makkah Al Mukarramah, Kingdom of Saudi Arabia.
7. Member of the Community Service Faculty of Pharmacy, Umm Al-Qura University Makkah Al Mukarramah, Kingdom of Saudi Arabia.

OTHER POSITIONS HELD:

Position	Year	Institution
External Examiner for M. Pharm. (Pharmacology)	2003	Faculty of Pharmacy, University of Karachi,
External Examiner for M. Pharm. (Pharmacology)	2004	Faculty of Pharmacy, University of Karachi,
Internal Examiner for Pharmacology, B. Pharm. & Pharm. D. studies	2004-2008	Faculty of Pharmacy, Hamdard University
Examination Day Head	2002-2007	Faculty of Pharmacy, Hamdard University
Co-supervisor for M.Phil	2008	Faculty of Pharmacy, Hamdard University

• Funded Research Projects: (P.I)

UQU Grant no.18-MED-1-01-0030: Hypoglycemic, Hypolipidemic and hypotensive effects of *Aloe armatissima*: Search for a potential agent for the treatment of metabolic syndrome in rats (Completed).

• Funded Research Projects: (CO.I)

1. UQU Grant no. 43310007:

Synthesis and biological evaluation of nucleoside and nucleotide analogs (Completed)

2. UQU Grant no. 43310006:

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)

3. 13-MED-873-10, NSTIP, KACST:

Treatment of breast cancer and / or colon cancer using novel compounds that target multi-target tyrosine kinase pathways. (Completed)

4. 13-MED-729-10:

Preparation and Development Through Computer-Aided Drug Design of bifunctional Hybrid agents with combined anti hyperglycemic anticancer activities and antihyperglycemic cardioprotective activities (Approved).

• Funded Research Projects: (Consultant)

1. UQU Grant no: 15-MED-3-1-0064:

Pharmacodynamics Studies of *Acacia tortilis* found in Kingdom of Saudi Arabia on Cardiovascular System of Rats. (Completed)

MASTER (M.Phil.) 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

- 1 **“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.
2. **“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.
3. **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
4. **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
5. **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
6. **Synthesis and Biologicla Evaluation of A pyrrolizine-Ibuprofen Hybrid molecule as Analgeisc Anti-inflammatory Agent.** Department of Pharmacology & Toxicology Faculty of Pharmacy Umm Al Qura University in 2016 Makkah Al Mukarramah, Kingdom Of Saudi Arabia
7. **Effect of Aspirin on Diethylnitroamine induced Acute Hepatotoxicity on Rats** [Department of Pharmacology & Toxicology Faculty of Pharmacy Umm Al Qura University in 2017 Makkah Al Mukarramah, Kingdom Of Saudi Arabia
8. **Prescription errors with Antihypertensive Medications in Makkah, Saudi Arabia 2017.** Department of Pharmacology & Toxicology Faculty of Pharmacy Umm Al Qura University in 2017 Makkah Al Mukarramah, Kingdom Of Saudi Arabia
9. **Long-term Use Of Proton Pump Inhibitors Are Unsafe: Myth or Reality or In-between?** Department of Pharmacology & Toxicology Faculty of Pharmacy Umm Al Qura University in 2018 Makkah Al Mukarramah, Kingdom Of Saudi Arabia

LIST OF PUBLICATIONS

2024

48. Antihyperglycemic, antiglycation, antihypercholesteremic, and toxicity evaluation with gas chromatography mass spectrometry profiling for *Aloe armatissima* leaves Abdulhalim S Serafi, **Muhammad Ahmed**, Imran Shahid, Aisha Azmat, Ammar Bader Mohammed A Bafail, Shalan Alaamri, Rizwan Ahmad Open Chemistry, April 2024; 22: 20240023. <https://doi.org/10.1515/chem-2024-0023>

2022

47. Black Cardamom (*Amomum subulatum*) enhances the cholinergic function affecting Blood Pressure and heartrate variability in normal and spontaneous hypertensive rats. Abdul halim serafi, Aisha Azmat, **Muhammad Ahmed**, Mohammad Bafail, Zahir Hussain. Pakistan Journal of Biological Sciences: PJBS, 01 Jan 2022; 25(4) 358-368.
46. Measurement of hemodynamic parameters and antidepressant activity in hypertensive rats following two weeks consumption of *Acacia tortilis* leaves extract. Abdul halim serafi, Aisha Azmat, **Muhammad Ahmed**, Mohammad Bafail, Zahir Hussain. *The Natural Products Journal* 2022; 12(5).

2021

45. Biochemical and Histopathological Effects on Liver profile due to acute and subacute oral toxicity of somina in rats. Aisha Azmat, **Muhammad Ahmed**. RADS J. Pharm Pharm sci. 2021; 9(1):1-6.
44. Consensus small interfering RNA targeted to stem-loops II and III of IRES structure of 5' UTR effectively inhibits virus replication and translation of HCV sub-genotype 4a isolates from Saudi Arabia Waleed H. Al Malki, Imran Shahid, Ashraf N. Abdalla, Ayman .Johargy, **MuhammadAhmed** and Sajida SajidaHassan Saudi Journal of Biological Sciences Volume 28, Issue 1, January 2021, Pages 1109-1122 doi.org/10.1016/j.sjbs.2020.11.041
43. Virological surveillance, molecular phylogeny, and evolutionary dynamics of hepatitis C virus subtypes 1a and 4a isolates in patients from Saudi Arabia Waleed H. Al Malki, Imran Shahid, Ashraf N. Abdalla, Ayman .Johargy, **MuhammadAhmed** and Sajida SajidaHassan Saudi Journal of Biological Sciences Volume 28, Issue 3, March 2021, Pages 1664-1677.
42. Chemosensitization of HT29 and HT29-5FU Cell Lines by a Combination of a Multi-Tyrosine Kinase Inhibitor and 5FUDownregulates ABCC1 and Inhibits PIK3CA in Light of TheirImportance in Saudi Colorectal Cancer. Ashraf N. Abdalla,Waleed H. Malki, Amal Qattan, Imran Shahid, Mohammad AkbarHossain and **Muhammad Ahmed** *Molecules* **2021**, 26(2), 334; doi.org/10.3390/molecules26020334

2020

- 41 Significance of Targeting VEGFR-2 and Cyclin D1 in Luminal-A Breast Cancer. Ashraf N. Abdalla , Amal Qattan , Waleed H. Malki ,Imran Shahid , Mohammad Akbar Hossain and **Muhammad Ahmed** *Molecule* October 10,2020: 25,4606
40. Determinants of health-related quality of life among warfarin patients in Pakistan Muhammad Shahid Iqbal , Fares M. S. Muthanna, Yaman Walid Kassab, Mohamed Azmi Hassali, Fahad I. Al-Saikhan , Muhammad Zahid Iqbal, Abdul Haseeb, **Muhammad Ahmed** , Salah-Ud-Din Khan, Atta Abbas Naqvi, Md. Ashraful Islam and Majid Ali_ *PLOS ONE* June 17, 2020;15(6):e0234734

39. Ethyl benzoate bearing pyrrolizine/indolizine moieties: Design, synthesis and biological evaluation of anti-inflammatory and cytotoxic activities. Khalid M. Attalah, Ashraf N. Abdalla, Akhmed Aslam, **Muhammad Ahmed**, Mohammed A.S. Abourehab, Naser A. ElSawy, Ahmed M. Gouda. Bioorganic Chemistry January 2020; 94, 103371.

2019

38. Anti-diabetic potential of *Plectranthus lanuginosus* in streptozotocin-induced diabetic rats. Mohammed H Mukhtar, Waleed H Almalki, **Muhammad Ahmed**, Aisha Azmat. Tropical Journal of Pharmaceutical Research October 2019; 18 (10): 2095-2100
37. Hypotensive and Antioxidant Constituents of Stem Wood of Bombax ceiba. Sadia Zikrur-Rehman, Muhammad Ali Versiani, Rubeena Saleem, Farzana Sadaf, Aisha Azmat, **Mohammad Ahmad**, Ahsana Dar, and Shaheen Faizi. 2019. Chemistry of Natural Compounds. No.5 September-October, 2019 pp.809-810

2018

36. In vivo Pharmacodynamics Studies of *Acacia tortilis* Found in Kingdom of Saudi Arabia on Cardiovascular System of Rats. Abdulhalim S. Serafi, Aisha Azmat, **Muhammad Ahmed**, Mohammed Bafail and Zahir Hussain 2018. Int. J. Pharmacol., 14(8) :1066-1071.
35. Pyrrolizine-5-carboxamides: Exploring the impact of various substituents on anti-inflammatory and anticancer activities. Ahmed M. Gouda, Ahmed H. Abdelazeem, Ashraf N. Abdalla and **Muhammad Ahmed** 2018. *Acta Pharm.* **68** (2018) 251–273
34. Comparative effect of coffee robusta and coffee arabica (Qahwa) on memory and attention. Waheeb D. M. Alharbi, Aisha Azmat, **Muhammad Ahmed** 2018. Metabolic Brain Disease 33:1203–1210

2017

33. Decreased brain serotonin turnover rate following administration of Sharbat-e-Ahmed Shah produces antidepressant and anxiolytic effect in rats. **Muhammad Ahmed** and Aisha Azmat 2017. Metab Brain Dis., 32(6):1785-1790..
32. Acute hypotensive and diuretic activities of *Berberis vulgaris* root bark aqueous extract in normal rats. **Muhammad Ahmed**, Aisha Azmat and Salahuddin Khan 2017. Braz. J. Pharm. Sci. 2017;53(4):e17077
31. Evaluation of anti-diabetic activity of *Acacia tortilis* (Forssk.) Hayne leaf extract in streptozotocin-induced diabetic rats Mohammed Hasan Mukhtar, Waleed Hassan Almalki, Aisha Azmat, Mohammad Raafat Abdalla and **Muhammad Ahmed**, 2017.. Int. J. Pharmacol., 13: 438-447.
30. Effects of unani anxiolytics (Somina) on general reproductive performance and teratology in rats. **Muhammad Ahmed**, Aisha Azmat. Int J Pharm Pharm Sci 2017;9(3):30-34.
29. Preliminary Study: Sugar-sweetened Beverages (SSBs) Consumption Correlated with Body Mass Index (BMI). Abdul Halim Serafi, Aisha Azmat, Ruqaiya Hasan, **Muhammad Ahmed**. Pakistan Journal of Nutrition 16(1):33-37 · January 2017 DOI: 10.3923/pjn.2017.33.37

2015

28. Somina (Herbal Preparation): Partial Muscarinic Agonist. **Muhammad Ahmed** and Aisha Azmat. Pharm Pharmacol Int J 2015, 2(5): 00033. DOI:10.15406/ppij.2015.02.00033
27. Acute Toxicity (Lethal Dose 50 Calculation) of Herbal Drug Somina in Rats and Mice. Muhammad Ahmed. 2015. Pharmacology & Pharmacy 6(03):185-189

26. 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.

2014

25. Pharmacological Evidence of Hypotensive Activity of Somina (Herbal drug) in Normotensive Rats. Aisha Azmat and **Muhammad Ahmed**. Tropical Journal of Pharmaceutical Research November 2014; 13 (11): 1863-1866. <http://dx.doi.org/10.4314/tjpr.v13i11.13>
24. 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
23. 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.
22. 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
21. 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).

2013

22. 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)
19. 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. Ahmad. African Journal of Pharmacy and Pharmacology. Vol. 7(15), pp. 776-784, 22 April, 2013. DOI: 10.5897/AJPP2012.1525

2012

18. 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

2009

17. 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)

2008

16. 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)
15. 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.

2006

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
13. 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

2005

12. 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).
11. 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

2004

10. Hypotensive and toxicological study of citric acid and other constituents from *Tagetes patula* root. Rubeena Saleem, **Mohammad Ahmad**, Aneela Naz, Syed Iqbal Ahmad and Shaheen Faizi. Archives of Pharmacal Research (Korea). 27 (10), 1037 (2004).
9. Effect of Herbal Drug Somina on neurotransmitter Dopamine. Aisha Azmat, **Muhammad Ahmed**, Saida Haider, Darakhshan .J. Haleem, Navaid-ul-Zafar and S. I. Ahmed Pakistan Journal of Pharmacology Vol.21(1), 65-67 (2004)
8. Dose-Response curve of Somina (Herbal Preparation) : A study on Frog heart. **Muhammad Ahmed**, Aisha Azmat, M. A. Azeem, Navaid-ul-Zafar and S. I. Ahmed, Pakistan Journal of Pharmacology Vol.21(2), 19-22 (2004)

2003

7. 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).

2001

6. Hypotensive effect of chemical constituents from *Aloe barbadensis*, Rubeena Saleem, **Muhammad 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

2000

5. Hypotensive activity of Dilsukh (Herbal drugs). **Muhammad Ahmed**, Azeem, M.A., Zafar, N. and Ahmad, S.I., *Pakistan Journal of Pharmacology* **17**, 7-14 (2000).

1999

4. Hypotensive, hypoglycaemic and toxicological studies on Shamimin a novel flavonol C-glycoside from *Bombax ceiba*, Rubeena Saleem, **Muhammad 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
3. Effects of Dilsukh (herbal drug) on cardiac parameters. **Muhammad Ahmed**, Azeem, M.A. and Ahmad, S.I, *Pakistan Journal of Pharmacology*. 16, 17-23 (1999).

1998

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

LIST OF 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).

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 on18-19 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 23-24April 2012 Makkah
10. Workshop on eLearning & Distance Learning 27-31October 2013 at Umm Al Qura University Makkah.
11. UQU Ist Pharmaceutical conference From Bench to Beside 13-142016 at Security Forces Hospital Makkah.

BOOKS/MANUAL WRITTEN:

Practical in Systemic Pharmacology	Part 1
Practical in Systemic Pharmacology	Part 2

MEMBERSHIPS

Member Pakistan Pharmacological Society

References:

- 1. Prof. Dr.Ejaz Ullah Cheema**
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- 2. Professor Dr. Salah Uddin Khan**
Professor of Biochemistry & Supervisor of Medical Ethics Unit
Director Clinical Phase
College of medicine
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- 3. Dr . Muhammad Abdul Hadi**
Associate Professor
College of Pharmacy
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