

Dr. Mohammad Ahmed Khan

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CURRENT POSITION

Assistant Professor

School of Pharmaceutical Education and Research
Jamia Hamdard

New Delhi, India
December, 2018 –
Till date

Teaching and Research in Current Position

Courses Taught

- BP 101T and 107P, Human Anatomy and Physiology-I (Theory and Practical) Sem I BPharm
- BP 201T and 207P, Human Anatomy and Physiology-II (Theory and Practical) Sem II BPharm
- BP 404T and 407P, Pharmacology-I (Theory and Practical) Sem IV BPharm
- BP 503T and 507P, Pharmacology-II (Theory and Practical) Sem V BPharm
- BP602T, Pharmacology-III (Theory) Sem VI BPharm
- Coordinators for MPharm Pharmacy Practice Practical (MPP105P and 205P)

Research

- M Pharm Thesis Completed: 07
- M Pharm Thesis Work ongoing: 04
- PhD Thesis Work Ongoing as Supervisor: 04
- PhD Thesis Work Ongoing as Co-supervisor: 09
- PhD Thesis Work Completed as Co-supervisor: 01

Research Grants

- FRPS Grant from University Grants Commission, Ministry of Human Resource Development, Govt. of India, 2019. Sanctioned Amount 1 Million Rupees (PI)
- One Expression of Interest Collaborative Grant as Co-PI from CCRUM, Ministry of AYUSH, Govt. of India. Sanctioned Amount 5.6 Million Rupees
- Center of Excellence in Unani Medicine (Pharmacognosy and Pharmacology) from Ministry of AYUSH, Govt. of India as Co-PI. Sanctioned Amount 100 Million Rupees.

RESPONSIBILITIES HELD IN CURRENT POSITION***Administration***

2019-20	Assistant Superintendent for Examination of B Pharm & M Pharm 2019 of SPER
2019-20	Member, Admission Committee, SPER
2019 Onwards	Member Library Committee, SPER
202 Onwards	Member, Central Admission Core Committee

Student related and Co-curricular

2020	Community Service during COVID-19 Outbreak
2021	Member, PharmaKon, Placement and Alumni Committee
2022	Resource Person, DST-STUTI Science Awareness Programme for Schools, 22-28 February, 2022, Jamia Hamdard

Conference / Workshops Organized

2019	Member Organizing Committee, UGC SAP Sponsored Seminar on Recent Advances in Pharmacotherapeutics
2020	Member, LOC, 7th International Congress of Society for Ethnopharmacology, India, 15-17 February, 2020, Jamia Hamdard, New Delhi
2022	Moderator, Technical Session, CoE Workshop on Competency Development of AYUSH Professionals, 27-29 July, 2022, Jamia Hamdard New Delhi
2022	Chairman, Technical Session of International IASTAM Conclave on Multi-targeted Therapeutics in Unani and Ayurvedic Medicine & Food Supplement, 29-30th July, 2022, Jamia Hamdard, New Delhi
2022	Resource Person, Innovation Conclave-22, Centre for Teaching Support and Innovation, 17th November, 2022, Jamia Hamdard

PREVIOUS EXPERIENCE

Central Research Institute of Unani Medicine, Hyderabad	Hyderabad, India
Ministry of AYUSH, Government of India	2017-2018
<i>Research Officer (Pharmacology)</i>	
Preclinilca toxicity testing as per OECD Guidelines	
National Institute of Biological, Government of India	Noida (UP), India
<i>Consultant</i>	2015-2016

Project : Survey of extent of spurious and Not of Standard Quality Drugs in the Country

- Unique and largest of its kind project in the World to evaluate the quality of medicine in a country.
- The project was run in collaboration with Central Drugs Standards Control Organisation (Ministry of Health and Family Welfare), Indian Pharmacopoeia Commission (Ministry of Health and Family Welfare), Indian Statistical Institute (Ministry of Statistics and Programme Implementation), Pharmacy Council of India, National Professional Associations and Civil Society.

Council for Scientific and Industrial Research, Govt. of India

New Delhi, India

Senior Research Fellow

2012-2015

Project title: Protection against chemically induced hepatic toxicity: Possible role of natural plant products.

- Preparation of terpenoidal extracts using Supercritical fluid extraction and Flash chromatography.
- Standardization of herbal extract using TLC, HPLC and HPTLC.
- Evaluation of hepatoprotective potential of terpenoidal drugs against various rodent models.
- *In-vitro* and *in-vivo* evaluation of anticancer potential against hepatocellular carcinoma.

EDUCATION

Department of Pharmacology, Jamia Hamdard

New Delhi, India

PhD, Pharmacology

2015

Thesis: Anticancer potential of extracts of *Boswellia serrate* and *Rosmarinus officinalis* against experimentally induced hepatocellular carcinoma

Department of Pharmacology, Jamia Hamdard

New Delhi, India

M. Pharm., Pharmacology

2009

Thesis: Effect of concomitant use of telmisartan and deferoxamine on doxorubicin cardiotoxicity in rats

Faculty of Pharmacy, Jamia Hamdard
B. Pharm.

New Delhi, India
 2007

RESEARCH INTEREST

Exploration of role and mechanistic evaluation of natural product based intervention in prevention and treatment of cardiometabolic disorders, osteoporosis and cancer.

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TRAINING/WORKSHOPS COMPLETED

- One day workshop on GCMS Metabolomics Organised by Bioactive Natural Product Laboratory, School of Pharmaceutical Education and Research, Jamia Hamdard, New Delhi on 17th May, 2017
- Two week “Training on Stem Cell Isolation and Culture” at Department of Biochemistry, All India Institute of Medical Sciences, New Delhi from 01.02.2018 to 15.02.2018.
- Online course on “Hypothesis Testing in Public Health” offered by John Hopkins University through Coursera.
- Online course on “Summary Statistics in Public Health” offered by John Hopkins University through Coursera.
- 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education(AICTE) from 25th October, 2021 to 29th October, 2021.
- One month UGC Sponsored Faculty Induction Programme conducted by Human Resource Development Center, Jamia Millia Islamia, New Delhi from 10th February, 2021 to 11th March, 2021 and obtained A Grade.
- Two week online interdisciplinary workshop on “Managing Online Classes & Co-creating MOOCS 19.0” conducted by Teaching Learning Centre, Ramanujan College, University of Delhi from 07 – 21 October, 2022 and obtained Grade A+.
- One Day Induction cum Training Programme of Coordinatory and Deputy Coordinators of newly recognized Adverse Drug Monitoring Centers organized by National Coordination Center, Pharmacovigilance Programme of India from 16th to 18th November, 2021.

PUBLICATIONS

Research/Review Publications

1. Khan MA, Haider N, Singh T, Bandopadhyay R, Ghoneim MM, Alshehri S, Taha M, Ahmad J, Mishra A. Promising biomarkers and therapeutic targets for the management of Parkinson's disease: recent advancements and contemporary research. *Metab Brain Dis*. 2023 Mar;38(3):873-919.
2. Parveen D, Das A, Amin S, Alam MM, Akhter M, Ahmed Khan M, Ali R, Anwer T, Sheikh KA, Azam F, Shaquiquzzaman M. Effectiveness of estrogen and its derivatives over dexamethasone in the treatment of COVID-19. *J Biomol Struct Dyn*. 2023 May 2:1-17. doi: 10.1080/07391102.2023.2205944. Epub ahead of print. PMID: 37129196.
3. Madan A, Garg M, Satija G, Sharma B, Shaquiquzzaman M, Akhter M, Iqbal A, Khan MA, Parvez S, Das A, Sheikh KA, Alam MM. SAR Based Review on Diverse Heterocyclic Compounds with Various Potential Molecular Targets in the Fight against Covid-19: A Medicinal Chemist Perspective. *Curr Top Med Chem*. 2023 Jan 26. doi: 10.2174/1568026623666230126104156. Epub ahead of print. PMID: 36703601.
4. Sheikh KA, Iqbal A, Alam MM, Akhter M, Khan MA, Ehtaishamul Haque S, Parvez S, Jahangir U, Amir M, Khanna S, Shaquiquzzaman M. A Quinquennial Review of Potent LSD1 Inhibitors explored for the treatment of different Cancers, with special focus on SAR studies. *Curr Med Chem*. 2023 Jan 30. doi: 10.2174/0929867330666230130093442. Epub ahead of print. PMID: 36718063.
5. Satija G, Sharma B, Madan A, Iqbal A, Shaquiquzzaman M, Akhter M, Parvez S, Khan MA, Alam MM. Benzimidazole based derivatives as anticancer agents: Structure activity relationship analysis for various targets. *Journal of Heterocyclic Chemistry*. 2022 Jan;59(1):22-66.
6. Ahmed F, Khan MA, Haider N, Ahmad MZ, Ahmad J. Recent advances in theranostic applications of nanomaterials in cancer. *Current Pharmaceutical Design*. 2022 Jan 1;28(2):133-50.
7. Basist P, Parveen B, Zahiruddin S, Gautam G, Parveen R, Khan MA, Krishnan A, Shahid M, Ahmad S. Potential nephroprotective phytochemicals: Mechanism and future prospects. *Journal of ethnopharmacology*. 2022 Jan 30;283:114743.
8. Ahmad J, Haider N, Khan MA, Md S, Alhakamy NA, Ghoneim MM, Alshehri S, Imam SS, Ahmad MZ, Mishra A. Novel therapeutic interventions for combating Parkinson's disease and prospects of Nose-to-Brain drug delivery. *Biochemical Pharmacology*. 2022 Jan 1;195:114849.
9. Ahmad SS, Karim S, Ibrahim IM, Alkreathy HM, Alsieni M, Khan MA. Effect of Vitamin K on Bone Mineral Density and Fracture Risk in Adults: Systematic Review and Meta-Analysis. *Biomedicines*. 2022 May 1;10(5):1048.
10. Ahmad SS, Ahmed F, Ali R, Ghoneim MM, Alshehri S, Najmi AK, Ahmad S, Ahmad MZ, Ahmad J, Khan MA. Immunology of osteoporosis: relevance of inflammatory targets for the development of novel interventions. *Immunotherapy*. 2022 Jul;14(10):815-31.
11. Ahmad MZ, Alasiri AS, Alasmay MY, Abdullah MM, Ahmad J, Abdel Wahab BA, M Alqahtani SA, Pathak K, Mustafa G, Khan MA, Saikia R. Emerging advances in nanomedicine for breast cancer immunotherapy: opportunities and challenges. *Immunotherapy*. 2022 Aug;14(12):957-83.
12. Sharma B, Satija G, Madan A, Garg M, Alam MM, Shaquiquzzaman M, Khanna S, Tiwari P, Parvez S, Iqbal A, Haque SE. Role of NLRP3 Inflammasome and Its Inhibitors as Emerging Therapeutic Drug Candidate for Alzheimer's Disease: a Review of Mechanism of Activation, Regulation, and Inhibition. *Inflammation*. 2022 Aug 25:1-32.

13. Ahmad J, Rizwanullah M, Suthar T, Albarqi HA, Ahmad MZ, Vuddanda PR, Khan MA, Jain K. Receptor-targeted surface-engineered nanomaterials for breast cancer imaging and theranostic applications. *Critical Reviews™ in Therapeutic Drug Carrier Systems*. 2022;39(6).
14. Basist P, Zahiruddin S, Khan MU, Gautam G, Jan B, Khan MA, Parveen R, Ahmad S. Metabolite profiling and nephroprotective potential of Glycyrrhiza glabra L. roots against cisplatin-induced nephrotoxicity in vitro and in vivo. *Iranian Journal of Basic Medical Sciences*. 2022 Nov 1;25(11).
15. Basist P, Khan MU, Jan B, Gaurav, Khan MA, Parveen R, Ahmad S. Metabolite Profiling and Nephroprotective Potential of the Zea mays L. Silk Extract against Diclofenac-Induced Nephrotoxicity in Wistar Rats. *ACS omega*. 2022 Oct 7;7(41):36519-34.
16. Ahmad J, Albarqi HA, Ahmad MZ, Orabi MA, Md S, Bandopadhyay R, Ahmed F, Khan MA, Ahamad J, Mishra A. Utilization of Nanotechnology to Improve Bone Health in Osteoporosis Exploiting Nigella sativa and Its Active Constituent Thymoquinone. *Bioengineering*. 2022 Nov 1;9(11):631.
17. Sharma P, Khan MA, Najmi AK, Chaturvedi S, Akhtar M. Myricetin-induced apoptosis in triple-negative breast cancer cells through inhibition of the PI3K/Akt/mTOR pathway. *Medical Oncology*. 2022 Oct 8;39(12):248.
18. Ahmad J, Rizwanullah M, Suthar T, Albarqi HA, Ahmad MZ, Vuddanda PR, Khan MA, Jain K. Receptor-targeted surface-engineered nanomaterials for breast cancer imaging and theranostic applications. *Critical Reviews™ in Therapeutic Drug Carrier Systems*. 2022;39(6).
19. Qureshi MA, Husain GM, Urooj M, Khan MA, Husain M, Kazmi MH. Preclinical safety, anxiolytic and antidepressant activity of Sufoof Jawahar Mohra: A Unani formulation. *Advances in Integrative Medicine*. 2021 May 1;8(2):114-21.
20. Ahmad W, Khan MA, Ashraf K, Ahmad A, Daud Ali M, Ansari MN, Kamal YT, Wahab S, Zaidi SA, Mujeeb M, Ahmad S. Pharmacological evaluation of safoof-e-pathar phori-A polyherbal unani formulation for urolithiasis. *Frontiers in Pharmacology*. 2021 Apr 14;12:597990.
21. Ahmad MZ, Ahmad J, Aslam M, Khan MA, Alasmay MY, Abdel-Wahab BA. Repurposed drug against COVID-19: nanomedicine as an approach for finding new hope in old medicines. *Nano Express*. 2021 May 19;2(2):022007.
22. Ibrahim M, Parveen B, Zahiruddin S, Gautam G, Parveen R, Khan MA, Gupta A, Ahmad S. Analysis of polyphenols in Aegle marmelos leaf and ameliorative efficacy against diabetic mice through restoration of antioxidant and anti-inflammatory status. *Journal of Food Biochemistry*. 2022 Apr;46(4):e13852.
23. Verma R, Hoda F, Arshad M, Iqbal A, Siddiqui AN, Khan MA, Haque SE, Akhtar M, Najmi AK. Cannabis, a Miracle Drug with Polyvalent Therapeutic Utility: Preclinical and Clinical-Based Evidence. *Medical Cannabis and Cannabinoids*. 2021;4(1):43-60.
24. Mahtab A, Rabbani SA, Neupane YR, Pandey S, Ahmad A, Khan MA, Gupta N, Madaan A, Jaggi M, Sandal N, Rawat H. Facile functionalization of Teriflunomide-loaded nanoliposomes with Chondroitin sulphate for the treatment of Rheumatoid arthritis. *Carbohydrate polymers*. 2020 Dec 15;250:116926.
25. Hoda F, Verma R, Arshad M, Siddiqui AN, Khan MA, Akhtar M, Najmi AK. Materiovigilance: concept, structure and emerging perspective for patient's safety in India. *Drug Research*. 2020 Sep;70(09):429-36.

26. Haider N, Fatima S, Taha M, Rizwanullah M, Firdous J, Ahmad R, Mazhar F, Khan MA. Nanomedicines in diagnosis and treatment of cancer: An update. *Current Pharmaceutical Design*. 2020 Mar 1;26(11):1216-31.
27. Singh M, Khan MA, YT K, Ahmad J, Fahmy UA, Kotta S, Alhakamy NA, Ahmad S. Effect of *Nardostachys jatamansi* DC. on apoptosis, inflammation and oxidative stress induced by doxorubicin in Wistar Rats. *Plants*. 2020 Nov 15;9(11):1579.
28. Md S, Alhakamy NA, Aldawsari HM, Kotta S, Ahmad J, Akhter S, Shoaib Alam M, Mohammad Ahmed Khan, Awan Z, Sivakumar PM. Improved Analgesic and Anti-Inflammatory Effect of Diclofenac Sodium by Topical Nanoemulgel: Formulation Development—In Vitro and In Vivo Studies. *Journal of Chemistry*. 2020 Apr 21; 2020. IF-1.79
29. Shafi S, Khan S, Hoda F, Fayaz F, Singh A, Mohammad Ahmed Khan, Ali R, Pottoo FH, Tariq S, Najmi AK. Decoding novel mechanisms and emerging therapeutic strategies in breast cancer resistance. *Current drug metabolism*. 2020; 21(3):199-210. IF-2.96
30. Mohammad Ahmed Khan, Vineet K.Jain, Md. Rizwanullah, Javed Ahmad, Keerti Jain. PI3K/AKT/mTOR pathway inhibitors in triple-negative breast cancer: a review on drug discovery and future challenges. *Drug Discovery Today*. 2019; 24(11):2181-2191. IF-6.88
31. Javed Ahamad, Ibrahim Toufeeq, Mohammad Ahmed Khan, Muath Sh. Mohammed Ameen, Esra T. Anwer, Subha Uthirapathy, Showkat R. Mir, Javed Ahmad. Oleuropein: A natural antioxidant molecule in the treatment of metabolic syndrome. *Phytotherapy Research*. 2019; 33(12):3112-3128. doi: 10.1002/ptr.6511. IF- 3.766
32. Rabea Parveen, Nausheen Khan, Sultan Zahiruddin, Mohammad Ibrahim, Varisha Anjum, Bushra Parveen, Mohammad Ahmed Khan. TLC-Bioautographic Evaluation for High-Throughput Screening and Identification of Free Radical Scavenging and Antidiabetic Compounds from Traditional Unani Medicinal Plant: *Citrullus colocynthis* Schrad. *J AOAC Int*. 2019 Sep 30. doi: 10.5740/jaoacint.19-0287. IF-1.201
33. Barkat MA, Ahmad J, Mohammad Ahmed Khan, Beg S, Ahmad FJ. Insights into the targeting potential of thymoquinone for therapeutic intervention against triple-negative breast cancer. *Current drug targets*. 2018; 19(1):70-80. IF-2.63
34. Mohammad Ahmed Khan, Mohd Urooj, Syed H Razvi, Gulam Mohammed Husain, Munawwar Husain Kazmi. Chronic Toxicity Evaluation of Majoon-e-Kundur: A Polyherbal Unani Formulation. *Journal of Drug Resesearch in Ayurvedic Sciences* 2018; 3 (2): 119-127.
35. Mohd Urooj, Mohamamd Ahmed Khan, G. Thejaswini, Munawwar Husain Kazmi. Toxicity evaluation of traditional polyherbal Unani formulation Jawarish Shahi in Rats. *The Journal of Phytopharmacology*. 2018; 7(5): 412-418.
36. Mohamamd Ahmed Khan, Urooj M, Razvi SH, Ahmed SS, Kazmi MH, Husain GM. 90-days repeated dose oral toxicity study on a traditional polyherbal formulation used in urinary disorders (2018). *International Journal of Pharmaceutical Research*. 2018; 10(3):311-20.
37. Mohammad Ahmed Khan, Mohd Urooj, Thejaswini G, Syed Shoeb Ahmed, Munawwar Husain Kazmi, Gulam Mohammed Husain. 180-Days repeated dose oral toxicity study of polyherbal unani formulation: Jawarish Shahi. *Journal of Clinical and Experimental Toxicology* 2017; 1(1): 21-29.
38. Urooj M, Husain GM, Mohammad Ahmed Khan, Kazmi MH. Compensation to clinical trial participants in India: A gap analysis. *International Journal of Pharmaceutical Investigation*. 2017; 7(2):41.

39. Javed Ahmad, Md. Rizwanullah, Mohammad Ahmed Khan et al. Nanotechnology based theranostic approaches in alzheimer's disease management: current status and future perspective. *Current Alzheimer Research* 2017; 14(11): 1164-1181. IF-2.95
40. Mohammad Ahmed Khan, Ruhi Ali, Rabea Parveen, Abul Kalam Najmi, Sayeed Ahmad. Pharmacological evidences for cytotoxic and antitumor properties of Boswellic acids from *Boswellia serrata*. *Journal of Ethnopharmacology* 2016; 191: 315-23. IF-2.981
41. Javed Ahmad, Mohammad Ahmed Khan, Sohail Akhter. Engineered nanoparticles against MDR in cancer; The state of the art and its prospective. *Current Pharmaceutical Design* 2016; 22(28): 4360–73. IF-2.61
42. Shazia Ali, Neelima Mondal, Hani Choudhry, Mahmood Rasool, Peter N Pushparaj, Mohammad Ahmed Khan, Maryam Mahfooz, Ghufrana A Sami, Jummanah Jarullah, Ashraf Ali, Mohammad S Jamal. Current Management Strategies in Breast Cancer by Targeting Key Altered Molecular Players. *Frontiers in Oncology* 2016; 6:45. doi: 10.3389/fonc.2016.00045. IF – 4.41
43. Mohammad Ahmed Khan, Satyajyoti Kanjilal, Arun Gupta, Sayeed Ahmad. Antimicrobial activity of sugar based semisolid polyherbal ayurvedic formulation: Chyawanprash. *Drug Development and Therapeutics* 2016; 7(1): 31-33.
44. Mohammad Ahmed Khan, Satyendra Kumar, Arun Gupta, Sayeed Ahmad. Screening of two new herbal formulations in rodent model of urolithiasis. *Drug Development and Therapeutics* 2016; 7(1): 34-8.
45. Ruhi Ali, Mohammad Ahmed Khan, Nadeem Siddiqui. Past, present and future of antiepileptic drug therapy - finding a place for heterocyclics. *Mini Reviews in Medicinal Chemistry* 2015; 15(12): 1024-50. IF-2.661
46. Mohammad Ahmed Khan, Arun Gupta, Satyendra Kumar, Sayeed Ahmad. Hepatoprotective activity of a new polyherbal formulation against paracetamol and d-galactosamine induced hepatic toxicity. *Journal of Pharmacy and Bioallied Sciences* 2015; 7: 246-9.
47. Mohammad Ahmed Khan, Arun Gupta, J L N Sastry, Sayeed Ahmad. Hepatoprotective potential of Kumaryasava and its concentrate against CCl₄-induced hepatic toxicity in Wistar rats. *Journal of Pharmacy and Bioallied Sciences* 2015; 7: 297-9.
48. Mohammad Ahmed Khan, Mhaveer Singh, Masood Shah Khan, Abul Kalam Najmi, Sayeed Ahmad. Caspase mediated synergistic effect of *Boswellia serrata* extract in combination with doxorubicin against human hepatocellular carcinoma. *BioMed Research International* 2014: 294143. IF-2.17
49. Mohammad Ahmed Khan, Mhaveer Singh, Masood Shah Khan, Wasim Ahmad, Abul Kalam Najmi, Sayeed Ahmad. Alternative Approach for Mitigation of Doxorubicin-Induced Cardiotoxicity Using Herbal Agents. *Current Clinical Pharmacology* 2014; 9(3): 288-97.
50. Mhaveer Singh, Mohammad Ahmed Khan, Masood Shah Khan, S. H. Ansari, Sayeed Ahmad. Quality assessment and evaluation of in-vitro antioxidant potential of *Phyllanthus emblica* L. *Indian Journal of Traditional Knowledge* 2015; 14(2): 265-272. IF-1.273
51. Mohd. Amir, Mohammad Ahmed Khan, Sayeed Ahmad, Mohd. Akhtar, Mohd. Mujeeb, Aftab Ahmad, Shah Alam Khan, Fahad A. Al-Abbasy. Ameliorating effect of *Tamarindus indica* extract on antitubercular drug induced liver toxicity in rats. *Natural Product Research* 2016; 30(6): 715-9. IF-1.828
52. Mohammad Ahmed Khan, Satyendra Kumar, JLN Sastry, Arun Gupta, Sayeed Ahmad (2015). Analgesic and anti-inflammatory potential of three new topical polyherbal formulations in Wistar rats. *Annals of Phytomedicine* 2016; 4(1): 1-3.

53. Mhaveer Singh, Kamal YT, Mohammad Ahmed Khan, Rabea Parveen, Shahid H. Ansari, Sayeed Ahmad. Matrix solid-phase dispersion extraction and quantification of alpinetin in amomum seed using validated HPLC and HPTLC methods. *Indian Journal of Pharmaceutical Sciences* 2015; 77 (1): 49-54. IF-0.66
54. Masood Shah Khan, Mhaveer Singh, Mohammad Ahmed Khan, D. S. Arya, Sayeed Ahmad. Scientific validation of cardio-protective attribute by standardized extract of Bombyx mori against doxorubicin-induced cardiotoxicity in murine model. *EXCLI Journal* 2014; 13: 1043-54. IF-1.462
55. Mhaveer Singh, Kamal YT, Mohammad Ahmed Khan, Rabea Parveen, Shahid H. Ansari, Sayeed Ahmad. Marker Based In-vitro Antioxidant Potential, Microscopy and Validated High Performance Thin Layer Chromatographic Method for Saffron. *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences* 2015; 85: 607-14.
56. Mhaveer Singh, Kamal Y T, Mohammad Ahmed Khan, Rabea Parveen, Sayeed Ahmad. In vitro antioxidant activity and HPTLC analysis of *Borago officinalis* Linn. *Indian Journal of Pharmaceutical Education and Research* 2013; 47 (4): 24-30. IF-0.25
57. Masood Shah Khan, Mhaveer Singh, Mohammad Ahmed Khan, Sayeed Ahmad. Protective effect of Santalum album on doxorubicin induced cardiotoxicity in rats. *World Journal of Pharmaceutical Research* 2014; 3(2):2760-2771.

Book Chapters

1. Gulam Mohammed Husain, **Mohammad Ahmed Khan**, Mohd. Urooj, Munawwar Husain Kazmi. Pharmacodynamic Evaluation: Herbal Medicine in “Drug Discovery and Evaluation: Methods in Clinical Pharmacology” edited by Franz J. Hock and Michael R. Gralinski. 2017 Springer.
2. **Mohammad Ahmed Khan**, Maryam Mahfooz, GhufranaAbdus Sami, Hashim AlSalmi, Abdullah, Ghazi A. Damanhuri, Mahmood Rasool, Mohammad Sarwar Jamal. The New Massive Data: miRNomics and Its Application to Therapeutics. *Systems Biology Application in Synthetic Biology* 2016: 91-97. Springer
3. **Mohammad Ahmed Khan**, Sadat Shafi, Syed Sufian Ahmad, Faraha Ahmed. Chapter 9 - Regulatory affairs in clinical trials. Editor(s): Javed Ali, Sanjula Baboota, *Regulatory Affairs in the Pharmaceutical Industry*. 2022: 241-261. Academic Press.
4. Asma Naqi, Shabnam Anjum Ara, **Mohammad Ahmed Khan**, Javed Ahmad. Chapter 4 - An insight on PI3K/AKT/MTOR inhibitors in cancer: Opportunity and translational perspectives. Editor(s): Md. Imtaiyaz Hassan, Saba Noor. *Protein Kinase Inhibitors*. 2022, Pages 97-127. Academic Press

PROFESSIONAL AFFILIATION

- Life Member of Indian Pharmacy Graduates Association
- Life Member of Society for Neurochemistry, India

• **FIP-WHO SEARPharm Forum: Executive Secretary (2012-2015)**

SEARPharm Forum is International Pharmaceutical Federation (FIP)-WHO Forum of National Pharmaceutical Associations of South East Asian Countries. SEARPharm

Forum promotes WHO's Health Agenda in the region through pharmacists and pharmaceutical scientists.

Responsibilities:

- Coordination and Communication with partners namely FIP and WHO-SEARO and National Pharmaceutical Associations of South East Asian Countries.
- Development, implementation and monitoring of projects and preparation of Reports for WHO and FIP.
- Preparation of Agenda and Reports of Forum Meetings and Seminars
- Maintenance of database on media reports of incidence of counterfeit medicines in SEAR.

Projects Undertaken

Tuberculosis

FIP challenge on TB Round 1: Project Lead to an MoU between Central TB Division, Ministry of Health, Govt. of India and organisation of retail pharmacists, Pharmacy Council, Indian Pharmaceutical Association and SEARPharm Forum to develop the role of pharmacists in prevention and control of TB in India. I was engaged in collection of evidences of pharmacists' work in the area of TB.

Good Pharmacy Practice

Good Pharmacy Practice relates to standards for quality of pharmacy services". I compiled the report on Good Pharmacy Practice in SEAR Countries

National Medicine Policy

The Project was survey on National Medicine Policies (NMP) and drug use in South East Asia for the national medicine policy seminar in Colombo for SEAR Countries in June, 2013. *See*

National Formulary of India

The Project was revitalisation of National Formulary of India (NFI) 4th Edition for Indian Pharmacopoeia Commission, Ministry of Health and Family Welfare, Govt. of India. Participated in the preparation of first draft of NFI.

Maternal Newborn and Child Health

The Project was preparation of a Reference Paper for FIP on "Effective utilization of pharmacists in improving maternal newborn and child health. My role was to contribute in finding suitable evidence of pharmacists work in the area of assessing patient health status, needs and in managing patient medication therapy