

RESUME

Dr. MOHD MUAZZAM KHAN,
Associate Professor,
DOJ-26/08/2015,
M. Pharm (Gold Medalist) Ph. D.
Faculty of Pharmacy, Integral University, Lucknow
09369035955



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Passport No. R4299823

OBJECTIVE

Position with responsibility of man-management, fabricated with promotive circumstances cum-target attaining temperament in high tech environment.

PROFESSIONAL EXPERIENCES

- Associate Professor, Faculty of pharmacy, INTEGRAL UNIVERSITY, Lucknow, India from **01st November 2022 to till date**
- Assistant Professor, Faculty of pharmacy, INTEGRAL UNIVERSITY, Lucknow, India from **01st December 2019 to 31st October 2022.**
- Assistant Professor, Faculty of pharmacy, INTEGRAL UNIVERSITY, Lucknow, India from **01st March 2019 to 30th November 2019.**
- Assistant Professor, Faculty of pharmacy, INTEGRAL UNIVERSITY, Lucknow, India from **01st August 2017 to 28th February 2019.**
- Lecturer, Faculty of pharmacy, INTEGRAL UNIVERSITY, Lucknow, India from **26th August 2015 to 31st July 2017.**
- Tutor, Department of Pharmacology in ERA'S LUCKNOW MEDICAL COLLEGE from **2nd March 2015 to 22nd August 2015.**

EDUCATIONAL QUALIFICATION

- **Ph D (Pharmacology):** Integral University, Lucknow- **2021**
- **M. Pharm (Hons.) (Pharmacology):** Integral University, Lucknow- **2014** with 79.33% (**Gold Medal**)
- **B. Pharm:** HIPER, Lucknow- **2012** with 63.74%

ONLINE COURSE

Certificate of Achievement: Mohd Muazzam Khan has completed the following course:

THE SCIENCE OF MEDICINES (MONASH UNIVERSITY). This online course explored the science of key medicines used to manage heart disease, depression, diabetes, pain control and smoking cessation. 6 weeks, 3 hours per week and got **90%** average test score.

TEACHING AND RESEARCH ACTIVITIES

- **PhD:** Research project
- **M. Pharm (Pharmacology) (II year) :** Research project
- **Pharm D. (V year) :** Research project
- **B. Pharm (IV year) :** Experimental Pharmacology
- **B. Pharm (III year) :** Pharmacology II
- **D.Pharm (II year) :** Pharmacology & Toxicology
- **Pharm D. (I year) :** Human Anatomy and Physiology

RESEARCH PROJECTS

- **Ph.D. project entitled** “Effect of fixed dose combination of Pterostilbene and Docosahexaenoic acid against Global Cerebral Ischemia Reperfusion Injury in Rats” **2021.**
- **M. Pharm project entitled** “Neuroprotective effect of Scopoletin against global cerebral ischemia reperfusion in Rats”**2014.**

PATENT

- “System for the preparation of a transethosomal apigenin gel for topical administration”
Consignments from the German Patent and Trademark Office 2022.
- “Development and evaluation of myricetin nanoemulsion with anti-liver cancer activity”
application number is 202331015014. Office of the Controller General of Patents, Designs & Trade Marks. Department of Industrial Policy & Promotion, Ministry of Commerce & Industry, Government of India. Publication date (U/S 11A) 10/03/2023

PUBLICATIONS

- Rabiya Ahsan, **Mohd Muazzam Khan***, Anuradha Mishra, Usama Ahmad."Comparative Neuroprotective and Cytokine-Modulating Effects of Phloridzin, Plumbagin, and Berberine Chloride in a Scopolamine-Induced Alzheimer's Disease Model". The Journal of Prevention of Alzheimer's Disease. Submitted on 12-Aug-2024 (Under Review)
- Rabiya Ahsan, **Mohd Muazzam Khan***, Gazala Noor, Farogh Ahsan, Anuradha Mishra, Usama Ahmad. “Phloridzin Neuroprotective Potential in Alleviating Scopolamine-Induced Alzheimer's disease in male Wistar Rats”. Journal of Chemical Health Risk. 2024, 14(4), 159-168

- Sada, Mudassir, Sania Khan, M. Umar Khan, **M. Muazzam Khan***, Pankaj Kumar, and Usama Ahamad. "Drug utilization and prescribing pattern in the treatment of urolithiasis: a perspective on World Health Organization recommendations." *International Journal of Basic & Clinical Pharmacology* 13, no. 3 (2024): 371.
- Ahsan, Rabiya, **Mohd Muazzam Khan***, Anuradha Mishra, Gazala Noor, and Usama Ahmad. "Protein Kinases and their Inhibitors Implications in Modulating Disease Progression." *The Protein Journal* 42, no. 6 (2023): 621-632. **(Impact factor: 3)**
- Shahid, Aisha, **Mohd Muazzam Khan**, Usama Ahmad, Md Faheem Haider, and Asad Ali. "Exploring Liposomes for Lung Cancer Therapy." *Critical Reviews™ in Therapeutic Drug Carrier Systems* 39, no. 4 (2022). **(Impact factor: 4.9)**
- Khan, Zoya, Md Faheem Haider, Nazish Naseem, Mohd Aftab Siddiqui, Usama Ahmad, and **Mohd Muazzam Khan**. "Nanocarrier for the treatment of liver cancer." *Journal of Pharmaceutical Sciences and Research* 14, no. 11 (2022): 944-957.
- **Mohd Muazzam Khan**, Badruddeen, Usama Ahmad, Juber Akhtar, Mohammad Irfan Khan, Mohd Faiyaz Khan. "Cerebroprotective effect of pterostilbene against global cerebral ischemia in rats", *Heliyon* (2021) **(Impact factor: 3.77)**
- Alkahtane, Abdullah A., Hamzah A. Alghamdi, Bader Almutairi, **Mohd Muazzam Khan**, Md Saquib Hasnain, Mohamed M. Abdel-Daim, Wadha M. Alghamdi, and Saad Alkahtani. "Inhibition of human amylin aggregation by Flavonoid Chrysin: An in-silico and in-vitro approach." *International Journal of Medical Sciences* 18, no. 1 (2021): 199. **(Impact factor: 3.74)**
- **Mohd Muazzam Khan**, Badruddeen, Usama Ahmad, Juber Akhtar, Mohammad Irfan Khan, Mohd Faiyaz Khan. "Acute and sub-acute oral toxicity of pterostilbene, docosahexaenoic acid and its combination in sprague dawley rats". *Biochemical and Cellular Archives* (2021) **(Impact factor: 0.24)**
- **Mohd Muazzam Khan**, Mohd Mujahid, Juber Akhtar, Mohammad Irfan Khan, and Usama Ahmad. "An Overview of Stroke: Mechanism, In vivo Experimental Models Thereof, and Neuroprotective Agents." *Current Protein and Peptide Science* 21, no. 9 (2020): 860-877. **(Impact Factor- 3.27).**
- Gupta, Gudiya, Mohd Aftab Siddiqui, **Mohd Muazzam Khan**, Mohd Ajmal, Rabiya Ahsan, Md Azizur Rahaman, Md Afroz Ahmad, Md Arshad, and Mohammad Khushtar. "Current pharmacological trends on myricetin." *Drug Research* (2020).
- Ahsan, Rabiya, Md Arshad, Mohammad Khushtar, Mohd Afroz Ahmad, **Mohammad Muazzam**, Md Sohail Akhter, Gudiya Gupta, and Mohd Muzahid. "A Comprehensive Review on Physiological Effects of Curcumin." *Drug Research* (2020).

- Ali, Asad, Usama Ahmad, Juber Akhtar, and Mohd Muazzam Khan. "Engineered nano scale formulation strategies to augment efficiency of nutraceuticals." *Journal of Functional Foods* 62 (2019): 103554 (**Impact Factor- 4.45**).
- Ahmad, Usama, Asad Ali, **Mohd Muazzam Khan**, Mohd Aftab Siddiqui, Juber Akhtar, and Farhan Jalees Ahmad. "Nanotechnology-Based Strategies for Nutraceuticals: A Review of Current Research Development." *Nanoscience and Technology: An International Journal* 10, no. 2 (2019). (**Impact Factor- 1.03**).
- Singh, Monika, Talib Hussain, Hina Firdous, Sibhghatulla Shaikh, Syed M. Danish Rizvi, Afrasim Moin, **Muazzam Khan**, and Mohammad Amjad Kamal. "Preclinical hepatoprotective effect of herbalism against ethanol induced hepatotoxicity: a review." *Current drug metabolism* 19, no. 12 (2018): 1002-1011. (**Impact Factor- 3.73**)
- Hussain, Talib, Shrestha Bajpai, Mohd Saeed, Afrasim Moin, Ahmed Alafnan, **Moazzam Khan**, Mohammad A. Kamal, Magdah Ganash, and Ghulam Md Ashraf. "Potentiating effect of ethnomedicinal plants against proliferation on different cancer cell lines." *Current drug metabolism* 19, no. 7 (2018): 584-595. (**Impact Factor- 3.73**)
- Mohd Fahad, **Mohd Muazzam khan**, Mohd Tahir, Mohammad Jameel, Md Afroz Ahmad, Mohammad Khushtar "Medical and Pharmacological role of traditional Asian Food condiment: *Cinnamomum zeylanicum* Blume" *International Journal of Advances in Pharmacy Medicine and Bioallied Sciences* 20 March 2018
- **Mohd Muazzam Khan**, Farogh Ahsan, Usama Ahmad, Juber Akhtar, Badruddeen, Md. Mujahid "Alzheimer Disease" *World Journal of Pharmacy and Pharmaceutical Sciences* 2016.
- Mohd Aftab Siddiqui, Mohd Khalid, Juber Akhtar, H.H. Siddiqui, Badruddeen, Usama Ahmad, Farogh Ahsan, **Mohd Muazzam Khan**, Mohammad Ahamd, Asad Ali "Lavandula Stoechas (Ustukhuddus): A miracle plant" *Journal of Innovations in Pharmaceuticals and Biological Science*.

BOOK CHAPTER PUBLISHED

- Fatima Siddiquie, **Mohd Muazzam Khan***, Naureen Rizvi, Anushka Singh, Yameena Fatima, Ishana Chand, Usama Ahmad. "Nanogel based Transdermal approaches for anti-inflammatory action", in "Transdermal Delivery of Therapeutic Agent: Technological Development". Apple Academic Press. (**Preliminary acceptance 13-08-2024**).
- Naureen Rizvi, **Mohd Muazzam Khan**, Usama Ahmad. "Curcumin as Neuroprotective Agent", Apple Academic Press/Taylor and Francis Group. (**Preliminary acceptance 23-03-2023**).
- Anas Islam, Usama Ahmad, Syed Fariha and **Mohd Muazzam Khan**. "Innovative Drug delivery system using graft copolymers: Recent Advances and Challenges". Apple Academic Press/Taylor and Francis Group. (**Preliminary acceptance 26-02-2023**).

- Anas Islam, Usama Ahmad, Asad Ahmad and **Mohd Muazzam Khan**. “Chitosan based graft copolymers: Synthesis and Application”. Apple Academic Press/Taylor and Francis Group. **(Preliminary acceptance 26-02-2023)**.
- Shivangi Sharma, Usama Ahmad, Juber Akhtar, Anas Islam, **Mohd Muazzam Khan** and Naureen Rizvi. “The Art and Science of Cosmetics: Understanding the Ingredients. IntechOpen, 2023.
- Shahid, A., Ahmad, U.*, Islam, A., Ali, A., **Khan, M.** “Emulsion droplet system for delivering bioactive component.” Springer, 2022. (Accepted on 19-12-2022).
- Shahid, A., Ahmad, U.*, Islam, A., Ali, A., **Khan, M.** “Nutraceuticals and nano nutraceuticals formulations for cancer.” Springer, 2022. (Accepted on 19-12-2022).
- Anwar, Syed Shahwar, Usama Ahmad, **Mohd Muazzam Khan**, Md Faheem Haider, and Juber Akhtar. "Artificial Intelligence in Healthcare: An Overview." (2022).
- Ali, Asad, Zeeshan Ahmad, Usama Ahmad, **Mohd Muazzam Khan**, Md Faheem Haider, and Juber Akhtar. "Integrating Nanotherapeutic Platforms to Image Guided Approaches for Management of Cancer." In Molecular Pharmacology. IntechOpen, 2020.

PAPER PRESENTATION

- **Mohd Muazzam Khan**, presented a paper titled “Neuroprotective potential of Docosahexaenoic acid against global cerebral ischemia-reperfusion injury in rats” at the Global Multi-Track Conference (**STAR 2023**) held between October 8 and 14, 2023.

TECHNICAL SKILLS

- Animal handling/injections/oral feeding/ blood withdraw (retro orbital plexus and cardiac puncture)
- Induction of Bilateral common carotid artery occlusion (BCCAO).
- Spectrophotometer- UV, Visible spectrophotometer
- Calculation of infarction area by using TTC (2,3,5-triphenyltetrazolium chloride).
- Preparation of post-mitochondrial supernatant (PMS).
- Neurobehavioral Activities: Plus maize test, Hanging wire test, Actophotometer, Grip strength test and Rota road test
- DNA fragmentation by Gel electrophoresis method

THESIS SUPERVISION

Supervisor

1. **PhD research:** “Design & Evaluation of Combination of (Berberine chloride, Phloridzin and Plumbagin) against Alzheimer’s Model in rat” (**got permission for Pre-PhD which will be held on 17/08/2024**). (Session 2021-22 till date)

2. **PhD research:** “Evaluation of Combination of X&Y plant extract on global cerebral ischemia against reperfusion injury in rats”. (**On-going**). (Session 2023-24 till date)
3. **M. Pharm project (2024-2025):** “Neuroprotective effect of (ABC) drug against on global cerebral ischemia against reperfusion injury in rats”. (**On-going**).
4. **M. Pharm project (2023-2024):** “Effect of Papaverine against Scopolamine induced Alzheimer’s disease in rats”.
5. **M. Pharm project (2022-2023):** “Effect of Tannic acid on global cerebral ischemia against reperfusion injury in rats”.
6. **Pharm D. project (2022-23):** “Evaluation of Drug Utilization, ADR Monitoring and Treatment Pattern for Patients with Urolithiasis in Urology Department at IIMS&R”.

Co-supervisor

1. **M. Pharm project (2022-2023):** “Formulation development and evaluation of (XYZ drug) for Cancer Therapy”.
2. **M. Pharm project (2021-2022):** “Development and evaluation of trans-ethosomes of Apigenin for skin cancer”.
3. **M. Pharm project (2020-2021):** Formulation development and evaluation of Myrecetin for Lung Cancer Therapy
4. **M. Pharm project (2019-2020):** Nose to brain delivery of Silymarin microemulsion: Formulation development and evaluation
5. **M. Pharm project (2018-2019):** Effect of *Cajanus cajan* leaves extract on neurodegeneration on memory impairment: A post study
6. **M. Pharm project (2017-2018):** Neuroprotective effect of *Cinnamomum zeylanicum* bark extract against global cerebral ischemia (GCI) reperfusion in rats

ADMINISTRATIVE SKILLS

- **Assistant Proctor**, Faculty of Pharmacy, Integral University from 2019 till 31-07-2024.
- Member of Board of Studies, Faculty of Pharmacy Integral University
- Head Examiner for Annual Examination 2018-19 for D. Pharm 2nd year till date
- **Departmental Admission Committee** as Co-coordinator for session 2017-18 till date
- Course coordinator (D. Pharm 2nd year) for session 2018-19 till date
- Course coordinator (D. Pharm 1st year) for session 2017-2018
- Organizing Committee Member of World Pharmacist Day in 2016, 2017, 2018, 2019 & 2022.
- Member of Departmental Quality Assurance Cell (DQAC) for session 2016-17, 2017-18, 2018-19, 2019-20, 2020-21, 2021-22 & 2022-23
- Member of NAAC Criteria 1 for session 2018-19 till date
- Member of NAAC Criteria 3 (2016-2017)

- **Member Anti-ragging committee** for session 2016-17 till date
- Member Departmental committee of NIRF
- World Antibiotic awareness week-5th to 7th Dec 2016 (Visit to rural area PHC and CHC)
- World Antibiotic awareness week-22nd to 24th Nov 2018 (Visit to Integral Institute of Medical Science & Research (IIMSR), Lucknow)
- **Member of LAW AND ORDER COMMITTEE** in INDO-UZBEK MEET & International Conference on Trends & Innovations in Food Technology From Farm to Fork TIFT-2022, 24-25 November 2022, Organized by Department of Bioengineering Integral University (IU) Co-Organized by TCTI, Tashkent, Uzbekistan

TEACHER TRAINING

- **Faculty Development Program (FDP)** on “ **Current Trends and Futuristic Challenges in the Pharmaceutical and Healthcare Sector**” by online mode from 9th to 13th January, 2023 Organized by School of Pharmaceutical Sciences, CT University, Ludhiana in collaboration with the Association of Pharmaceutical Teachers of India (APTI), Punjab State Branch.
- Certificate of Achievement **Mohd Muazzam Khan** has completed the following 6 weeks course: “THE SCIENCE OF MEDICINES MONASH UNIVERSITY” This **online course** explored the science of key medicines used to manage heart disease, depression, diabetes, pain control and smoking cessation. (90% average test score) Issued 21st July 2020. futurelearn.com/certificates/3prwm7b.
- **Faculty Development Program (FDP)** on “ **Application of Novel Drug Delivery System for Molecules of Herbal Origin**” from 11th to 15th October, 2019 Organized by Institute of Pharmaceutical Science and Research (I.P.S.R).
- **Teaching Skill & Communication Development Program (TSCD)** conducted by Maxel Learning Pvt. Ltd. from 03rd July to 20th July 2019 and my team got certificate of Excellence (Best Team during the Program) & I got “**Grade A**” for my performance during the program.
- **Faculty Development Program (FDP)** on “**Drug Patenting and Intellectual Patents Rights**” from 24th to 28th July, 2017 Organized by Azad Institute of Pharmacy and research Technical University.
- **Short Term Course (STC)** on “**Project work planning and execution**” from 8th to 12th October, 2018 organized by NITTTR, Chandigarh and HRDC, Integral University.

STRENGTHS

- Fully committed and responsible towards allotted work and can handle the work individually & as a team member.
- Focused i.e. provides full concentration to work.
- Dedicated i.e. works on the things until they are not completed.
- Flexibility and ability to work within group.
- Strongly believe in doing result oriented hard work.

WORKSHOP ATTENDED

- **Workshop on “Understanding NABH/NABL Accreditation for Ayush Healthcare Providers & Researchers”** Organized by Central Research Institute of Unani Medicine, Ministry of Ayush, Government of India held on **06/02/2024** at Central Research Institute of Unani Medicine, Lucknow.
- **Workshop on “Anti-Plagiarism in Research”** Organized by Human Resources Development Centre (HRDC) in joint collaboration with Faculty of Education & Intellectual Property Right Management Cell (IPRMC), Integral University, Lucknow on 3rd August, 2019.
- **Conference cum Workshop “Under the aegis of Indian college of allergy, Asthma & Applied immunology (North Zone)** on 31st October 2018 Organized by, Integral University.
- **Workshop on “Plagiarism”** Organized by Research Cell, King George’s Medical University, Lucknow on 4th November, 2017.
- **Entrepreneurship Workshop** Organized by Entrepreneurship Development Cell, Integral University, Lucknow and Indian Institute of Technology, Kanpur on 01st March 2016
- **Cyber Security Workshop** Organized by Innovative Ideas Infotech Society in association with UPTU and UP Police on 5th and 6th April, 2016
- **Workshop on Hands-on training on HPLC**, Organized by the Department of Chemistry (Faculty of Science) and Faculty of Pharmacy in collaboration with the Agilent Technology India Pvt. Ltd. Under the Aegis of Academic Staff College on 26th October, 2015.

CONFERENCES/SEMINARS

INTERNATIONAL SEMINAR/SYMPOSIUM

- **DST-SERB & CST-UP sponsored International Conference on “Novel Paradigms in Pharmaceutical Sciences, an approach for healthier World”** organized by Faculty of Pharmacy, Integral University, Lucknow on 9th to 10th March, 2024 contributed as Organizing Committee Member.
- **Indian International Science Festival**, Organized by Ministry of Science and Technology and Ministry of Earth Sciences, Government of India on 5th to 8th October, 2018 in Indira Gandhi Pratishthan.
- **International Seminar on “Advancements in Biotechnology: Current and Future Perspectives”** organized by Department of Bioengineering and Biosciences Integral University, Lucknow on 25th November, 2017
- **International Conference on “Exploring Opportunities and Future avenues in Pharmaceutical science”** organized by Azad Institute of Pharmacy and Research Institute, Lucknow on 23th to 25th February, 2016
- **International Symposium on “Applicability of Genomic Technologies in Oncology and Constitutional Genetic Disorders”** organized by King George’s Medical University, Lucknow on 14th October 2016
- **International Congress** on “Post-harvest technology of agricultural produce for sustainable food and nutritional security”, held at Integral University, Lucknow on 10th to 12th November 2016
- **International symposium on “Genetics and genomics in modern clinical medicine”** jointly organized by, The Indo U K Genetic Education Forum, Wales Gene Park, Cardiff University, U K and King George Medical University, Lucknow on 9th and 10th February, 2015.
- **International Conference on Biotechnological Advancements in Free Radical Biology and Medicine (ICBAFM)** organized by Department of Biosciences and Bioengineering, Integral University, Lucknow 14th to 16th November, 2015

NATIONAL SEMINAR/SYMPOSIUM

- **National Pharmacy Education Day: A Tribute to Prof. M. L. Schroff as “Pharma Anveshan-2024”** organized by Faculty of Pharmacy, Integral University, Lucknow on 6th March, 2024
- **National Seminar on “Intellectual Property Right”** Organized by **Central Council for Research in Unani Medicine** at Central Research Institute of Unani Medicine, Lucknow on 10th July, 2019
- **XXVth Annual Conference of UP Chapter of Indian Association of Pathologists and Microbiologists** from Uttar Pradesh Medical Council of India, Organized by **King George’s Medical University, Department of Pathology** on 23rd and 24th October, 2017
- Symposium on **“Scientific Writing and Plagiarism”** Organized by **Amity Institute of Pharmacy**, Amity University Uttar Pradesh Lucknow on 29th August, 2017
- **National Conference on “Pharmacists: Caring for You”** held at Goel Institute of Pharmacy and Sciences, Lucknow on 25th September, 2016
- **2nd National Seminar on “Profession of Pharmacy: Challenges and Opportunities”** organized by Institute of Pharmaceutical Science and Research (I.P.S.R) on 18th October 2015
- **Seminar on “Role of Pharmacist in Health Care System”** 2015 organized by Integral University Lucknow.
- **Seminar on “Role of Pharmacist in Health Care System on Pharmacist Day”** organized by Faculty of Pharmacy and Department of Chemistry Integral University, Lucknow on 25th September, 2014
- **National Seminar on “Digital Health Management”** organized by Azad Technical College Lucknow on 14th March, 2013

TRAININGS

- **Certificate from UPDPL** (Uttar Pradesh Drugs & Pharmaceuticals Co. Ltd.) 30 days Industrial training in quality control & production.
- **DNA fragmentation** by Gel Electrophoresis from department of Biotechnology, **Integral University**.

PERSONAL INFORMATION

Father Name	:	Hafiz Atiqur Rahman
Mother Name	:	Safiya Khatoon
DOB	:	12 October 1987
Marital status	:	Married
Nationality	:	Indian
Known languages	:	English, Urdu & Hindi

REFERENCES

1. Dr Muhammad Wahajuddin, Department of Pharmaceutics, University of Brad Ford, **England**.
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2. Dr. Md. Talib Hussain, Department of Pharmacology, Hail University, **Saudi Arabia**.
Mobile No. +966-532336603 (Email id- mdth_ah@yahoo.com)
3. Prof. (Dr.) Badruddeen, Department of Pharmacology, Faculty of Pharmacy, Integral University, Lucknow, (U.P.), **India**. Mobile No. +91-9918196188 (Email id-badarmiracle@gmail.com)
4. Dr. Syed Anees Ahmad, Brody School of Medicine, East Carolina University, **USA** Mobile No. +1-2523672887 (Email [id-syedaneesahmed5@gmail.com](mailto:sd-syedaneesahmed5@gmail.com))

DECLARATION

I hereby declare that the information furnished above is true to the best of my knowledge.



Date: 11-09-2024

(Mohd Muazzam Khan)