



**Dr. MD AFROZ AHMAD** M. Pharm, Ph.D

**ASSISTANT PROFESSOR**

## ABOUT

I am a passionate pharmaceutical professional having multiple proficiency covering research and development, organization management and an excellent way of teaching. I have 11+ years of research, teaching, guidance, and counseling experience. Possess a good track record of research, review and book chapter publications.

### Summary of Skills:

- ✚ Excellent experience in teaching Basic/Clinical Pharmacology, Clinical Pharmacy & Therapeutics.
- ✚ Experience with problem based learning (PBL) and Team based learning (TBL)
- ✚ Patient data analysis, Patient counseling, Drug information services. Demonstrated research experience in Cardio, Cerebro-vascular and Renal Pharmacology.
- ✚ Expertise in Animal handling includes: disease creation in rats/mice like diabetes, myocardial infarction, nephropathy, cerebral ischemia, as well as blood, tissue homogenate & organ collection for further analysis (Histopathology).
- ✚ Program planning and implementation of skills.
- ✚ Knowledge of computerized information systems.

**Total Teaching experience:** 8 yrs (Full time).

**Total Research experience:** 1 year M.pharm research  
+ 4 years Ph.D research= 5 years.

### 1. Assistant Professor (SPER, JAMIA HAMDARD)

**May 2022 – Present**

- Teaching and Research with various administrative activities.
- Teaching Therapeutics, and Pharmacology, HAP courses to D. Pharm, B. Pharm. &.
- Conducted high-quality research in Cardio-Vascular, Renal pharmacology to M. Pharm. students.
- As member of Examination Committee, SPER, Jamia Hamdard.
- As a member of Tabulation Committee, SPER, Jamia Hamdard.
- Examiner / Paper setter imparting Pharmacy education for D. Pharm., B. Pharm. and M. Pharm Students.
- As a member in SPER, Program Committee.
- SPER, SPOC of academics and examinations under University management software



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Department of Pharmacy,  
Faculty of Pharmacy,  
SPER, JamiaHamdard,  
New Delhi, India

## COMPUTER SKILLS

□ Good hand on MS office 2003, 2007, 2010. MS-excel, PPT, etc.

□ Working hand on Adobe Photoshop.

□ Working hand on Micromedex, Lexi comp, J Image, Zotero, End note software used in drug information services and patient data analysis

## EXPERIMENTAL SKILLS

1. Patient data analysis.
2. UV spectrophotometer, ELISA reader, centrifugation, homogenizer, Photoactometer handling
3. Animal handling, Dosing, Induction of MCAO Ischemia, Nephropathy, Cardiotoxicity

## 2. Assistant Professor (Integral University)

August 2017 – May 2022

- Teaching Therapeutics, and Pharmacology courses to Pharm.D, B. Pharm. & M. Pharm. students
- Developed drug information centre.
- Conducted high-quality research in Cardio-Vascular, Renal & Neuro-pharmacology

## 3. Assistant Professor, LIMT, Greater Noida,

August 2010 - August 2012

- Executed patient-focused services for provision of pharmaceutical care.
- Involved in pharmaceutical care education to health care providers.
- Supported and participated in accreditation initiatives.
- Recommended collection of resources for the library to the faculty committee.
- Assisted students in completing thesis and career development.

## Research Experience: 05 Years

## 3. Senior research fellow CCRUM, Govt. of India

October 2012 to April 2013

- Worked as a Senior Research Fellow (SRF) in the CCRUM project entitled preclinical studies of UNIM-001, UNIM-003, UNIM-1202, and UNIM-202.
- Literature search & safety data (preclinical and clinical) collection for identified issues seeking toxicology and/or clinical safety (skin tolerance) support.
- Performed in-vivo experiments, dosing of animals, collection of blood, urine and tissue samples, recording and maintenance of data etc.

## 4. Senior research fellow, University Grant Commission

October 2013 to October 2016

- Toxicology/Pre-clinical Study monitoring, interpretation of results.

## 5. Trainee Clinical Pharmacist, HIMSAR

June 2009 to June 2010

- One year experience in different clinical settings and **Drug Information Centre** worked as “*Trainee Clinical Pharmacist*” on disease management, appropriate selection of therapy and drug-related problems, Patient counseling and drug information

# Curriculum Vitae

## **Sample Separation Analyst, Ranbaxy Clinical Pharmacology Unit, July-2008 to June 2009**

- Experience as part time Sample Separation Analyst in Ranbaxy Clinical Pharmacology Unit (Unit of Ranbaxy Laboratories Limited).
- Blood sample separation by centrifugation, collection, storing in deep refrigerator and documentation work for Bioavailability and Bioequivalence study.

## **Academic Qualifications:**

Date	Academic Degree	DIVISION	Address
2012 – 2016	PhD (Pharmacology)	NA	School of Pharmaceutical & Educational Research, Jamia Hamdard, New Delhi, India
2008 – 2010	M. Pharm	First	School of Pharmaceutical & Educational Research, Jamia Hamdard, New Delhi, India
2004 – 2008	B. Pharm	First	School of Pharmaceutical & Educational Research, Jamia Hamdard, New Delhi, India
<b>Other Achievements</b>			
2008	GATE	96.21	Indian Institute of Technology (IIT)
2010	General course on Intellectual Property	First	World Intellectual Property Organization, Geneva
2019	Faculty Empowerment Program	A grade	Integral University, Lucknow, India.

# Curriculum Vitae

## Scientific Achievements

### Published Refereed Scientific Researches

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	Md Afroz Ahmad, Prem Kapur, Razia Khanam, Mohd. Akhtar, GH Khan, Md Jamir Anwar, Divya Vohora.	Comparative effect of beta blockers and angiotensive receptor blockers on blood glucose level in hypertensive patients in university hospital.	Journal of Drug Delivery & Therapeutics. 2013; 3(2): 62-65.
2	Haque MR, Ansari SH, Najmi AK, Ahmad MA.	Monoterpene phenolic compound thymol prevents high fat diet induced obesity in murine model.	Toxicology Mechanism and Methods. 2014;24(2):116-23. (IMPACT FACTOR- 4 )
3	Md Afroz Ahmad, Prem Kapur, Razia Khanam, Mohd. Akhtar, GH Khan, Md Jamir Anwar, Divya Vohora.	Comparative effect of antihypertensive therapy on blood glucose level in hypertensive patients in Indian population.	Arzneimittelforschung/Drug Research. 2014;64(5):276-80. (IMPACT FACTOR-0.7).
4	Mohd. Akhtar, Syed Sarim Imam, Md Afroz Ahmad, Abul Kalam Najmi, Mohd. Mujeeb, and Mohd.Aqil	Neuroprotective study of Nigella sativa-loaded oral provesicular lipid formulation: in vitro and ex vivo study.	Drug Delivery. 2014; 21(6): 487-94. (IMPACT FACTOR- 6.8 )
5	Ahmad MA, Najmi AK, Mujeeb M, Akhtar M.	Neuroprotective effect of guggulipid alone and in combination with aspirin on middle cerebral artery occlusion (MCAO) model of focal cerebral ischemia in rats.	Toxicology Mechanism and Methods. 2014; 24(6):438-47. (IMPACT FACTOR- 4 ).
6	Gulam Haidar Khan, Mohd Aqil, Krishna Kolappa Pillai, Md Afroz Ahmad, Prem Kapur, Md Ruhail Ain, Saeed Saeed Al-Ghamdi, Naiyer Shahzad	Therapeutic adherence: A prospective drug utilization study of oral hypoglycemic in patients with type 2 diabetes mellitus.	Asian Pacific Journal of Tropical Disease. 2014; 4(1): S347-S352.
7	Kumar V, Ahmad MA, Najmi AK, Akhtar M.	Effect of Sarcosine (a Glycine Transport 1 Inhibitor) and Risperidone (an Atypical antipsychotic Drug) on MK-801 Induced Learning and Memory Deficits in Rats.	Drug Res. 2016 Jan;66(1):11-17. (IMPACT FACTOR- 1.7).
8	Abdulrahman S. ALAnazi, Md. Jamir Anwar and Md. Afroz Ahmad	Hepatoprotective and antioxidant activity of Tragia involucrata root extracts against CCl4 induced hepatotoxicity in rats.	Der Pharmacia Lettre, 2015,7 (5):146-152.

## Curriculum Vitae

9	<b>M. A. Ahmad, A. K. Najmi, M. Mujeeb, M. Akhtar.</b>	Protective effect of guggulipid in high fat diet and middle cerebral artery occlusion (MCAO) induced ischemic cerebral injury in rats.	Drug Res 2016; 66: 407–414. ( <b>IMPACT FACTOR- 1.7</b> ).
10	<b>Md Afroz Ahmad, Mohd. Fahad, Mphd. Moazzam khan, Mohd. Tahir, Mohammad Jameel, Mohammad Khustar.</b>	Medicinal and pharmacological role of traditional Asian food condiment: Cinnamomum zeylanicum Blume.	International Journal of Advances in Pharmacy Medicine and Bioallied Sciences. 2018;6(1)22-30.
11	Mohd. Mujahid, Syed Misbahul Hasan, Md Sohail Akhter, <b>Md Afroz Ahmad.</b>	Comparative Prevalence Study of Hypertensive Patients between Rural and Urban Population in Lucknow.	International Journal of Advances in Pharmacy Medicine and Bioallied Sciences. 2018;6(3)98-103.
12	Shimaila Eram, Md. Mujahid*, Paramdeep Bagga, Vaseem Ahamad Ansari, <b>Md Afroz Ahmad.</b> , Arun	A Review on Phytochemical activity of Alpinia galangal.	International Journal of Pharmacy and Pharm. Sciences. 2019;3:6-11.
13	<b>Md Afroz Ahmad*</b> , MohdMujeeb, Mohd Akhtar	Guggulipid: A promising multi-purpose herbal medicinal agent.	Drug Research 2020;70:123-130 ( <b>IMPACT FACTOR- 1.7</b> ).
14.	<b>Md Afroz Ahmad*</b> , Md Akbar, Faheem Hyder	Gene therapy repairs for epileptic brain: Potential for treatment and future directions	Current Gene Therapy. 2020;19(6):367-375. doi: 10.2174/1566523220666200131142423 ( <b>IMPACT FACTOR- 4.8</b> ).
15.	<b>Md Afroz Ahmad,</b> Gazala nor, Farogh Ahsan	A Phytochemical and Ethnopharmacological recapitulation on Hamelia patens	Drug Research 2020 May;70(5):188-198. doi: 10.1055/a-1131-7856 ( <b>IMPACT FACTOR- 1.7</b> ).

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16	<b>Md Afroz Ahmad</b> , Gudiya Gupta, Mohd Aftab Siddiqui, Mohd Muazzam Khan	A Comprehensive Review on Physiological Effects of Curcumin	Drug Research 2020 Oct;70(10):441-447. doi: 10.1055/a-1207-9469. ( <b>IMPACT FACTOR- 1.7</b> ).
17.	Gudiya Gupta, Mohd Aftab Siddiqui, Mohd Muazzam Khan, Mohd Ajmal, Rabiya Ahsan, Md Azizur Rahaman, <b>Md Afroz Ahmad</b> , Md Arshad, Mohammad Khushtar	Current pharmacological trends on myristicin.	Drug Research 2020; 70: 448–454 Drug Res 2020; 70: 448–454 ( <b>IMPACT FACTOR- 1.7</b> ).
18.	Asad Jamal Ansari, <b>Md afroz ahmad</b> , Md Ajmal	Maternal and fetal consequences of vitamin D deficiency during pregnancy: An Overview	Research and Reviews: Journal of Medicine2021;10:12-28
19	Asad Jamal Ansari, <b>Md afroz ahmad</b> , Md Ajmal, Nishat fatima	Acute Ischemic Stroke: Diagnosis and Management Approach	Research and Reviews: Journal of Neuroscience 2021; 10: 25-46.
20	Sushmita S, Md Faheem Haider , <b>Md.Afroz Ahmad</b> , Usama Ahmad , Muhammad Arif , Asad Ali	Exploring nanoemulsions for prostate cancer therapy	Drug Res (Stuttg) 2021 Jun 22. doi: 10.1055/a-1518-6606 ( <b>IMPACT FACTOR- 1.7</b> ).
21	<b>Md Afroz Ahmad</b> , Saman Siddiquee, Farogh Ahsan	Current Phytochemical and Pharmacological Outlook of Actinidia deliciosa (Kiwi Fruit)	Current Functional Foods Bentham Science Publishers DOI: <a href="https://doi.org/10.2174/2666862901666210916112624">10.2174/2666862901666210916112624</a>
22	Md Rafiul Haque, <b>Md Afroz Ahmad</b> , Kamran Ashraf	Arq ajwain protects nonalcoholic fatty liver disease on high-fat diet-induced obese rat	Trends Phytochem. Res. 5(4) 2021 209-221
23	<b>Md Afroz Ahmad</b> 1, Ozaifa Kareem, Fatima S Abdulla , Mahia B. Al- Haidar and Noora Alhajri	Neuroinflammation: A Potential Risk for Dementia	International Journal of Molecular Science. 2022, 23, 616 ( <b>IMPACT FACTOR- 6.2</b> ).
24	Awaneet kaur, <b>Md Afroz Ahmad</b> . Md Aftab	Neurological Studies Of Herbal Medicinal Plants For The Treatment Of Memory Impairment: A Review	CNS & Neurological Disorders - Drug Targets (ACCEPTED) ( <b>IMPACT FACTOR- 4.41</b> ).

# Curriculum Vitae

25	Md Mujahid, Md Azizur Rahman , Md Afroz Ahmad	Ethanopharmacological Review Of Herbal Drugs Against Anti-Tubercular Drugs Induced Hepatotoxicity: Current Perspectives	Innovat International Journal of Medical & Pharmaceutical Sciences, 2021; 7(1)
26	Zoya Khan, Md Faheem, Md Afroz Ahmad*	Therapeutic Potential Of Myricetin	Indian Journal of Research   Volume - 11   Issue - 08  August – 2022
27.	Shafkeen Siddiqui· Mohammad Khushtar Syed Misbahul Hasan Md Afroz Ahmad ·	Mechanism Based Physiological Effects of Piperine: A Review	Current Pharmacology Reports <a href="https://doi.org/10.1007/s40495-023-00314-2">https://doi.org/10.1007/s40495-023-00314-2</a>
28.	Mahima, Tarique Mahmood ,Akash Ved, Mohammed Haris Siddiqui, Farogh Ahsan, Arshiya Shamim, Vaseem Ahamad Ansari, <b>Md Afroz Ahmad</b> , Monu Kumar Kashyap	Correction: An in-Depth Analysis of Ovarian Cancer: Pathogenesis and Clinical Manifestation	Drug Research 2022; 72:424-434
29.	Shahla Parveen, Mohammad Khushtar, Md. Arshad, <b>Md Afroz Ahmad</b> , Mohd Ajmal, Md Sohel Akhter	An Informative Review On Calcinated Oyster Shell	YMER 2022VOLUME 21 : ISSUE 8:1-24
30	Fatima S, Farogh A, <b>Md Afroz Ahmad</b>	Unlocking the food treasures: Trachyspermum ammi–A comprehensive exploration from field to pharmacology.	Food Safety and Health 2024;2:322–343.

## Book Chapter:

#	Name of Investigator(s)	Research Title	Journal	Status
1	Md Akbar, kainat alam, Md Afroz Ahmad, sarwer baig	“Curcumin loaded nanocarriers for anti-inflammatory applications”	CRC Press Taylor and Francis Group.	Published

# Curriculum Vitae

## PATENTS:

#	Name of Investigator(s)	Patent Title	Publisher
1	Ahmad, Mohammad Afroz, Akhter, Mohammad Sohail, Haider, Mohammad Faheem, Rahman, Mohammad Azizur,	System for preparing a transthesomal apigenin gel for local administration	German patent IPC: A61K31/352 Number 20 2022 105412 Published on 2/11/2022
2	Ahmad, Mohammad Afroz, Khustar, Akhter, Mohammad Sohail, Haider, Mohammad Faheem, Rahman, Mohammad Azizur	Development and evaluation of myricitin nanoemulsion with anti-liver cancer activity.	Indian patent Applied Application number 202331015014



# Curriculum Vitae

## Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
1	Gulam Haidar Khan, <b>Md Afroz Ahmad</b> , Prem Kapur, Md Ruhai	Medicine utilization of oral hypoglycemic agents at a university teaching hospital in India: a prospective study”	(RACS <sup>4</sup> ) conducted by Delhi Institute of Pharmaceutical Sciences and Research <i>in 2010</i> .
2	<b>Md Afroz Ahmad</b> , Prem Kapur, Md Ruhai Ain, Gulam Haidar Khan,	Utilization pattern of antibacterials used in ENT outpatient and inpatient department of a University Teaching Hospital at New Delhi, India	International Conference Recent Advances In Cardiovascular Sciences in Delhi 3 <sup>rd</sup> & 4 <sup>th</sup> feb 2010.
3	<b>Ahmad MA</b> , Khan GH, Kapur P.	Corelation between serum retinol concentration and type 2 diabetes mellitus. International Symposium” The Future Vision & Challenges in Pharmacy Profession”,	Pharma next JIS 1173: 18-19 September <b>2010</b> .

## Curriculum Vitae

4	<b>Ahmad MA</b> , Mohsin N, Alam MS, Khan GH, Roy MS, Khanam R, Vohora D.	Drug utilization pattern of antibiotics for upper respiratory tract infections in Pediatric Outpatient and Inpatient Department of a University Teaching Hospital in New Delhi, India.	International Symposium "The Future Vision & Challenges in Pharmacy Profession", Organised by Pharmanext & SEARPharm, Jaipur, Rajasthan. JIS 1064: 18-19 September <b>2010</b> .
5	<b>Ahmad MA</b> , Ahsan H, Khanam R, Vohora D.	Comparative effect of antihypertensive therapy on blood glucose level in hypertensive patients"	CSIR sponsored conference of Pharmacy and Drug Therapy in 2011.
6	<b>Ahmad MA</b> , Akhtar M, Mujeeb M.	Role of chloroform and petroleum ether extracts of Nigella sativa seeds in stroke	UGC- SAP sponsored seminar on medicinal plants and characterization in 2013.

### Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
1.	Mohd. Mujahid, Syed Misbahul Hasan, Md Sohel Akhter, Azmal Tarique, <b>Md Afroz Ahmad*</b>	Comparative Prevalence Study of Hypertensive Patients between Rural and Urban Population in Lucknow.	<b>April, 2018</b>
2	<b>Md Afroz Ahmad*</b> , Mohd. Khushtar,	A prospective drug utilization study of antibiotics used in IPD patients for prevention of nosocomial infections.	<b>April, 2018</b>
3.	Mohd. Khushtar, Abdul Kayyum, <b>Md Afroz Ahmad*</b> ,	A prospective drug utilization study and ADR monitoring of antibiotics used in patients in Paediatrics Department.	<b>April, 2018</b>
4	<b>Md Afroz Ahmad</b> , Gazala Noor	Evaluation of protective effects Hamelia patens in cisplatin induced nephrotoxicity in rat.	<b>Sep 2020</b>
5.	Asad Jamal Ansari, Sweta, Nishat, <b>Md Afroz Ahmad</b>	A prospective drug utilization study and ADR monitoring of anti-hypertensive drugs used in hypertensive patients.	<b>Sep 2021</b>

# Curriculum Vitae

6.	Ajmal Tariq, Md Sohel Akhtaer, <b>Md Afroz Ahmad</b>	A prospective drug utilization study and ADR monitoring of antidiabetics drugs used in medicine Department	<b>Sep 2021</b>
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## Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1.	International Symposium On Medication Therapy Management	Sultanu-UI-Uloom College of Pharmacy and Climed Research Solutions 2021	Scientific Team Member
2.	National seminar on Intellectual Property Right	CCRU Govt Of India In July 2019	Participant
3.	Clinical case studies competition program PRESCRIPTO 2019	Integral University. Lucknow. 2019	Organizing faculty member
4.	Seminar on World Pharmacist Day	Integral University. Lucknow. 2017 & 2018	Organizing faculty Member
5.	Allergy update conference cum workshop	Integral University. Lucknow. 2018	Participant
6.	International Seminar on Advancements in Biotechnology: Current and future Perspectives.	Integral University. Lucknow. 2018	Participant
7.	Short term course on climate changes and Disaster management through ICT from for the faculty members under NITTR Chandigarh (MHRD, Government of India)	Integral University. Lucknow. 2017 & 2018	Participant
8.	Digital Inclusion of Rural India-Key to Socio-Economic Changes	ASSOCHAM ,New-Delhi, India (Sep, 2012)	Participant
9.	New Horizon in Basic and Clinical Research	Society of Young Scientists AIIMS, New-Delhi, INDIA (April 2012)	Participant

## Curriculum Vitae

9.	Attended IPGA sponsored National seminar on “Expectations of pharmaceutical industry from Pharmacy Graduates”	PDM College of pharmacy, Haryana on 8 <sup>th</sup> Sept. 2012.	Participant
10.	International conference on „Recent Advances in Cardiovascular Sciences and Translational Medicine“	Amity University, Uttar Pradesh. held on 16 <sup>th</sup> Feb. 2012	Participant
11.	New Horizons in Drug Discovery and Development	Jamia Hamdard, New-Delhi, India, (Sep 2011)	Participant
12.	International Conference Recent Advances In Cardiovascular Sciences (RACS 4TH)	Delhi 3 <sup>rd</sup> & 4 <sup>th</sup> feb 2010	Poster Presentation
13.	61 <sup>st</sup> Indian Pharmaceutical Congress	2010 held at Ahmedabad	Participant
14.	60 <sup>th</sup> Indian Pharmaceutical Congress	2008 held at New Delhi.	Participant
15.	Pharma fest R <sub>x</sub> 2007	2007 held at Jamia Hamdard, New Delhi.	Organizing member

# Curriculum Vitae

## **Membership of Scientific and Professional Societies and Organizations**

-Registered Pharmacist under Delhi Pharmacy Council (Regd No:-18906)

-Lifetime membership in INDIAN PHARMACY GRADUATES ASSOCIATION.

#	From	To	Type of Volunteer	Organization
1	2018-	Present	Reviewer	Journal of Pharmacy Practice (Sage Publications)
2	2014-	Present	Reviewer	Human and Experimental Toxicology (Sage Publications)
3	2014-	Present	Reviewer	Drug Research (Thieme Publications)
4	2020	Present	Reviewer	Frotiers in Pediatrics

## **Declaration:**

I hereby declare that all above information is true and correct to the best of my knowledge and belief.

**DR. MD AFROZ AHMAD**