

Dr. Asif Husain

Sr. Associate Professor

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Professional Qualification

Ph.D. in Pharmaceutical Chemistry from Jamia Hamdard University, New Delhi, India (2000).

M. Pharm. in Pharmaceutical Chemistry Pharmaceutical Chemistry with distinction (2nd rank) from Jamia Hamdard University, New Delhi, India.

B. Pharm. with distinction (2nd rank) from Jamia Hamdard University, New Delhi, India.

Teaching Experience

More than **twenty years** of teaching experience at B. Pharm. and M. Pharm level:

- **Associate Professor**, Department of Pharmaceutical Chemistry, SPER, Jamia Hamdard, New Delhi, India (21st Nov. 2012 – present).
- **Assistant Professor**, Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Jamia Hamdard University, New Delhi, India (21st Nov. 2006 – 20th Nov. 2012).
- **Senior Lecturer**, Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Jamia Hamdard University, New Delhi, India (21st Nov. 2000 – 20th Nov. 2004).
- **Lecturer**, Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Jamia Hamdard University, New Delhi, India (12th Feb. 1998 – 20th Nov. 2004).

Research Activities

More than **twenty three years** of research experience at M. Pharma and Ph.D. level in the following areas of Pharmaceutical/analytical and Medicinal Chemistry:

- Design and synthesis of prodrugs and mutual prodrugs.
- Design and synthesis of novel heterocyclic compounds including fused heterocyclic compounds (Butenolides, Pyrrolones, *N*-benzylpyrrolones, Thiadiazoles, Oxadiazoles, Azetidinones, Epoxides, Chalcones and Flavanones etc.).

- Development of HPLC method and determination of *in-vivo* & *in-vitro* hydrolytic pattern of prodrugs.
- Interpretation of spectroscopic data- IR, UV, NMR and MS.
- Pharmacological evaluation of the newly synthesized compounds like anticancer, antitubercular, anti-inflammatory, analgesic, anticoagulant, cardiac, antiepileptic, anthelmintic, ulcerogenic, LD50 & ED50, antimicrobial, animal handling and dosing.

Sponsored Research Projects

Associated with several research projects worth crores funded by UGC, AICTE, DST, etc.

Research Guidance

- **Ten** Students have been awarded Ph.D. degree under my guidance. Currently five students are working under my guidance for the award of Ph.D. degree.
- Guided **twenty five** M. Pharm Students and currently two students are working under my guidance for the award of M. Pharma degree.
- Worked on four major research projects funded by AICTE, DST, UGC and AYUSH, Govt. of India, as principal investigator.

Collaborative Research with Institutions

- TAACF, Southern Research Institute, Alabama, USA.
- Rega Institute for Medical Research, Leuven, Belgium.
- National Cancer Institute, USA.
- National Institute of Health, Bethesda, MD, USA.
- The National Institute of Allergy and Infectious Diseases (NIAID), USA.

Awards and Honours

- **Scientist of the year- 2016**, Venus International Research Awards (VIRA), India.
- **FPGEE certification-2013**, NABP, USA.
- **Young scientist award- 2007**, Department of Science & Technology (D.S.T.), Govt. of India, under the scheme of fast track proposal for young scientists.
- **Scientist of the year-2008**, National Environmental Science Academy (NESA), New Delhi.
- **Appreciation letter and memento** (prize) from Jamia Hamdard for successfully conducting/supervising different events during cultural, creative & sports week, 2008.

- Received more than **100 certificates** for attending different conferences, symposiums, workshops, QIP & training programs.
- **Expert Reviewer** of 18 international journals and 10 national journals.
- Name selected for '**TOP 100 Scientists-2008**' list by the International Biographic Center (IBC), Great Britain.
- Biography published and regularly updated in '**Who is Who**', IBC, Great Britain.
- External examiner, Several Universities.

Publications

- **Paper Publications:** More than **250** manuscripts have been published in various national and international Journals of repute excluding abstracts, books and theses.
- **Paper Abstracted:** More than **100** research papers have been abstracted in different National and International conferences/symposiums and workshops.
- **Books Published:** **09** Books have been published (2010-17) and widely accepted by Pharmacy students.
- **Books chapters:** **08** Chapters have been published.

Membership

- Life member, Indian Pharmaceutical Association (IPA).
- Member, Academic Council, Jamia Hamdard University, New Delhi, India.
- Life member, Association of Pharmaceutical Teachers of India. (APTI).
- Life member, National Environment Science Academy. (NESA).
- Member, Canadian Society for Pharmaceutical Science (CSPS), Canada.
- Life member, Indian Society of Analytical Scientists (ISAS), India.
- Member, American Peptide Society (APS), USA.

(Dr. Asif Husain)