

CURRICULUM VITAE

Dr. Ahsan Ahmed Khan

Associate Professor

DOJ-05/09/2022

M.PHARM, & Ph.D.

Faculty of Pharmacy,

Integral University Lucknow.

Present Address for communication:

Department of Pharmaceutical Chemistry

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EXPERIENCE:

- ✓ Currently working as Associate Professor-II in department of Pharmaceutical Chemistry, Faculty of pharmacy, Integral University, Lucknow. **(1st june 2022 --- continue)**
- ✓ Worked as Associate Professor in department of pharmacy, IEC college of Engineering & Technology, Greater Noida, from 27 september 2021-31st May 2022.
- ✓ Worked as Assistant Professor of Pharmaceutical Chemistry in DIP SAR New Delhi, from August 2017 – April 2020.
- ✓ Worked as research scholar in Jamia Hamdard (Hamdard University), New Delhi from 2013 to 2017.

AREA OF RESEARCH

- ✓ **Synthetic and medicinal approaches in Cancer drug development**
- ✓ **Drug discovery and development in neurological disorders**
 - **Currently supervising one PhD scholar in development of novel benzthiazole derivatives for breast cancer.**
 - **Currently supervising two M.Pharm students in area of development of novel drug molecule for treatment of Parkinson and Alzheimer. (2024-2025)**
 - **Supervised two M.Pharm Students in area of discovery of novel 1,2,4-triazole derivatives for breast cancer.**

EDUCATION:

- ✓ PhD (Pharm.Chemistry) awarded in 2017 from Jamia Hamdard (Hamdard University) New Delhi.
- ✓ M. Pharm (Pharm. Chemistry) (2008-10) from U.P. Technical University, Lucknow with 71.50% marks.
- ✓ B. Pharm (2004-08) from Faculty of Pharmacy, Jamia Hamdard with 66% marks.

ACHIEVEMENT:

- ✓ GPAT qualified

PROJECT TITL

- ✓ **PhD Topic:- “Synthesis and Anticonvulsant Activity Of 1,2,4-triazine Analogues” under the supervision of Dr. M. Shahar Yar (Associate Professor) & Prof. Nadeem Siddiqui Dept. of Pharmaceutical Chemistry, Faculty of Pharmacy, Jamia Hamdard, New Delhi 110062.**
- ✓ **Master of Pharmacy Topic:- “Design, Synthesis and Biological Evaluation of 4-aryl semicarbazones and their terpene derivatives” under the supervision of Late, Prof. Surendra Nath Pandeya, Ex-Dean, Saroj Institute Of Technology & Management, Lucknow-226002.**

INSTRUMENTATION AND METHODOLOGY SKILLS

- ✓ Synthesis of synthetic drugs containing heterocyclic moieties for biological activity of interest.
- ✓ UV-Visible spectroscopy, FT-IR Spectroscopy, Data interpretation of ¹H-NMR & ¹³C NMR.
- ✓ Microbiological Assays
- ✓ Tissue culture techniques
- ✓ Handling of laboratory animals (rodents)
- ✓ Other basic instruments and techniques like TLC, Rotavapor, Lyophilizer, and Distillation of solvents.

PATENTS

- The patent on “A novel instrument of reaction progress tool with thermostatic heating mantle for laboratory purpose, registered on 22-06-2023, design no. 38821-001
- The patent on “Development and evaluation of myrcetin nanoemulsion with antiliver cancer activity, published on 10-03-2023, application no 202331015014

PUBLICATIONS:

- ❖ A book chapter on “Targetted drug delivery to combat drug resistance” in book **Contemporary approaches to mitigating antibacterial drug resistance, published by IGI GLOBAL, 2024**
- ❖ **A. A. Khan**, N. Siddiqui, M. J Akhtar, Z. Ali, M.S. Yar. Design, Synthesis, and Biological Evaluation of 6-(2-Amino-substituted phenyl)-4-(substituted phenyl)-1,2,4-triazine-3,5(2H,4H)- dione Derivatives as Anticonvulsant Agents, Arch. Pharm. Chem. Life Sci. 349 (2016) 277- 292. Impact Factor – 3.431.
- ❖ Z. Ali, M. J. Akhtar, A.A Siddiqui, **A.A. Khan**, R. Haider, M. S. Yar. Design and synthesis of quinazoline-3,4(4H)diamine endowed with thiazoline moiety as new class for DPPIV and DPPH inhibitors. Bioorganic Chemistry 71 (2017) 181-191. Impact Factor – 5.275.
- ❖ M. J. Akhtar, A. A. Siddiqui, **A. A. Khan**, Z Ali, R. P. Dewangan, S. Pasha, M. S. Yar. Design, synthesis, docking and QSAR study of substituted benzimidazole linked oxadiazole as cytotoxic agents, EGFR and erbB2 receptor inhibitors, Eur. J. Med. Chem. 126 (2017), 853-869. Impact Factor – 6.5144.
- ❖ M.J. Akhtar, **A. A. Khan**, Z. Ali, R. Haider, M. S. Yar. Structure-activity relationship (SAR) study and design strategies of nitrogen-containing heterocyclic moieties for their anticancer activities, Eur. J. Med. Chem. 125 (2017) 143-189. Impact Factor – 6.5144.

- ❖ M. J. Akhtar, M.S. Yar, **A.A. Khan**, Z. Ali, M.R. Haider. Recent advances in the synthesis and anticancer activity of molecules other than nitrogen containing heterocyclic moieties, *Mini. Rev. Med. Chem.* (2016) . Impact Factor - 2.841.
- ❖ Z. Ali, M. J. Akhtar A.A Siddiqui, **A.A. Khan**, R. Haider, M. S. Yar. Design, synthesis and biological evaluation of novel quinazoline clubbed thiazoline derivatives, *Arch. Pharm. Chem. Life Sci.* 349 (2017) 1-11. Impact Factor – 3.431.
- ❖ **A.A. Khan**, Pandeya, S.N., A. Srivastva. Synthesis of 4 – aryl substituted semicarbazones and their terpenes Derivatives: a newer scaffold as an anticonvulsant agents’ *Journal of Chemical and Pharmaceutical research. J. Chem. Pharm. Res.* 2011, 3 (5), 456- 464.
- ❖ A. Srivastva, **A.A.Khan**. “Synthesis, characterization and analgesic activity of various indole aryl semicarbazones and thiosemicarbazone Derivatives. *Indo – Global Research Library.*(IGRJ/ 2011/vol.1, 2)

PAPER PRESENTED IN DIFFERENT CONFERENCES/ WORKSHOPS

- ❖ **Khan,A.A.**; Akhtar, M.J., Ali,Z.; Siddiqui,N; Yar,M.S., Insilico and In-vitro evaluation of GABAergic effect of synthesized 1,2,4-triazine derivatives as potential candidates for treatment of epilepsy. National conference on protein structure and dynamics in health and agriculture. November 3-4,2017, Jamia Milia Islamia, New Delhi.
- ❖ **Khan,A. A.**; Akhtar, M. J.; Ali, Z.; Haider, M. R.; Yar, M. S.; Synthesis and Anticonvulsant Activity of semicarbazone derivatives of some naturally occurring compounds. National symposium on New Horizons in Drug Discovery and Development. 16th November 2015. Jamia Hamdard, New Delhi, India.
- ❖ **Khan, A. A.**, Akhtar, M.J., Ali, Z. Yar, M. S., Anticonvulsant and Neurotoxicity study of some terpenes incorporated semicarbazones. 21st ISCB International Conference (ISCBC-2015). February, 25-28, 2015, CDRI, Lucknow, India.

- ❖ **Khan, A.A.;** Pandeya, S.N. Synthesis, Characterization and Antinociceptive activity of semicarbazone derivatives. National Seminar on current challenges of pharmacy education & research. 16th april, 2011. Ganna Sansthan, Lucknow, India.
- ❖ **Khan, A.A.;** Pandeya, S.N. Synthesis and CNS depressant activity of semicarbazone derivatives of some terpenes. National Seminar on Recent trends in Pharmaceutical education and research. 5th March, 2011 SHEAT college of pharmacy, Varanasi, India.
- ❖ **Khan, A. A.;** Pandeya, S.N. Synthesis of chitosan derivatives for colon targeted oral drug delivery of therapeutic active candidates. 14th ISCB International Conference (ISCBC-2010), January 15-18, CDRI, LUCKNOW, India.
- ❖ Attended 9th workshop on bioinformatics and molecular modeling in drug design, held in march 25-27, 2019, organized by Dr. B.R. Ambedkar center for biomedical research, University of Delhi.
- ❖ Attended India International Science Festival from 4th to 8th December 2015 organised at IIT Delhi.
- ❖ Attended Seminar on Intellectual Property Rights (IPR) & Regulatory Affairs at Jamia Hamdard New Delhi on 3rd November, 2015.
- ❖ Attended Seminar on Sodhganga: A repository of Indian Theses & Dissertations at Jamia Hamdard New Delhi.
- ❖ Participated in Symposium on Mapping the Missing Millions” held at All India Institute of Medical Sciences, New Delhi on 23rd March 2015.
- ❖ Participated in two day workshop on Recent Advancements in “Molecular Modelling and Drug Design” on November 21-22, 2015 at Jamia Hamdard, New Delhi.
- ❖ Attended one day National Symposium on Horizons in drug discovery & Development on 16th November 2015 at Jamia Hamdard New Delhi

AREA OF INTEREST:

- ✓ Academic & Research

PROFESSIONAL AFFILIATION

- ✓ Registered Pharmacist under U.P. Pharmacy Council, U.P

PERSONAL DETAILS:

- Father Name: Late. Mr. Israr Ahmed Khan
- Sex : Male
- Date of Birth : 20th April 1980
- Marital status: single
- Language Known: English, Hindi, Urdu & Arabic.
- Present Address : 529G/308, Sector 7, Vikas Nagar Lucknow.

REFERENCES:

- Dr. M. Shahar Yar, Associate Professor, Dept. of Pharmaceutical Chemistry, Faculty of Pharmacy, Jamia Hamard (Hamard University) New Delhi- 110062. Email [id msyar@rediffmail.com](mailto:msyar@rediffmail.com)
- Prof. Sharad Wakode, Head of Dept of Pharmaceutical Chemistry, DIPsAR, New Delhi, 110017. Email [id- sharadwakode@rediffmail.com](mailto:sharadwakode@rediffmail.com).
- Prof. Nadeem Siddiqui, Dept. of Pharmaceutical Chemistry, Faculty of Pharmacy, Jamia Hamard (Hamard University) New Delhi- 110062. Email [id- nadeems_03@rediffmail.com](mailto:nadeems_03@rediffmail.com).
- Prof. Bhanu P. S. Sagar, Director Pharmacy, IEC College of Engineering & Technology, Greater Noida, U.P- 201310. bpssagar@gmail.com.
- Dr. Satyawansingh, Ex scientist CDRI Lucknow, Ex director SITM Lucknow .Email [id: satyawansingh@gmail.com](mailto:satyawansingh@gmail.com)

DECLARATION

I hereby declare that all the information furnished here are authentic to the best of my knowledge.

Date: 6/09/2024

Ahsan Ahmed Khan