

Dr. SHARBA TASNEEM

sharbatasneem2012@gmail.com, Mobile: 9718148188

PROFILE SUMMARY

As a confident and passionate individual, I am always seeking to contribute to the academic system. Being a highly motivated, enthusiastic and dedicated educator, I want all students to be successful learners. I thoroughly enjoy working with students and encourage creative expression.

WORK EXPERIENCE

CURRENT POSITION:

- Assistant professor in GNIT College of Pharmacy (10 April 2023 - Till now).

RESEARCH EXPERIENCE: 2016-2022

University: Dept. of Pharmaceutical Chemistry, SPER, Jamia Hamdard, New Delhi 110062, India

Designation: PhD

Supervisor- Dr Mohammad Shaquiquzzaman

Funding Agency: DST-Women scientist scheme -A (SR/WOS-A/CS-101/2017)

PhD Topic: Synthesis and biological evaluation of coumarin and cyanopyrimidine based anticancer and anti-inflammatory agents.

Roles & Responsibilities:

- Conducted research on the Synthesis of organic compounds as anti-cancer and anti-inflammatory agent and published my research work in Bioorganic Chemistry (Impact Factor- 5.27)
- Attended seminars, workshops, lectures, public events and conferences.

- Conducted FTIR spectroscopy, molecular docking studies and *in-silico* studies.
- Implemented experimental protocols according to study design to achieve reliable results.
- Advanced knowledge of scientific research and protocols by conducting multiple experiments.
- Evaluated study progress at regular intervals and documented findings.
- Collaborated with fellow lab members and another department to promote a positive and welcoming learning environment.

PRINCIPAL INVESTIGATOR AS WOMEN SCIENTIST (DST-WOS-A) 2018-2021

Topic of the project: Synthesis, characterization and anticancer evaluation of coumarin-based acrylic-linked hydroxamic acid/ amide derivatives.

- Conducted research on the Synthesis of medicinal compounds targeting cancer and Inflammation.
- Performed targeted assays
- Prepared annual progress reports; collaborated to maximize project success.
- Presented papers and posters at National and International workshops and seminars.
- Reviewed and wrote scientific manuscripts.
- Maintenance of stock register and chemicals.

PROFESSIONAL CREDENTIALS

- ✓ **ORCID ID:** <https://orcid.org/0000-0002-8072-5700>
- ✓ **Scopus ID:** 56803757200
- ✓ **LinkedIn :** <https://www.linkedin.com/in/sharba-tasneem-256945248>
- ✓ **Citations:** 458
- ✓ **h-index:** 5

EDUCATION

- **PhD in Pharmaceutical Chemistry** from Jamia Hamdard-New Delhi, 2022
- **M.Pharm in Pharmaceutical Chemistry** from Jamia Hamdard – New Delhi, 2014 with 9.27 CGPA.
- **B.Pharm** from Jamia Hamdard-New Delhi, 2012 with 74.32%.

AWARDS AND ACHIEVEMENTS

- Received certificate of recognition for research work published in bioorganic chemistry -2022 with an impact factor of more than 5, on National Science Day- Feb 28, 2023, organized at Jamia Hamdard University
- Principal investigator as women scientist of DST-women scientist scheme -A Project (2018-2021).
- Received merit cum means-based scholarship (2017).
- UGC Postgraduate scholarship for qualifying GPAT (2012-2014).
- Qualified All India Level GPAT 2012 Examination with 96.95 percentile.

PUBLICATION

1. **Sharba Tasneem**, Rachita NG, A textbook of hospital and clinical pharmacy, 1st edition, Bookera publisher and distributors, ISBN 978-93-94875-28-9, 2023-2024.
2. **Sharba Tasneem**, M. Mumtaz Alam, Suhel Parvez, Pinky, Farah Khan, Manika Garg, Mohd Amir, et al. "Synthesis and HDAC1 inhibitory activity of a novel series of coumarin-based amide derivatives for treatment of cancer." *Future Medicinal Chemistry* 15, no. 18 (2023): 1669-1685. (Impact factor: 3.2)
3. **Sharba Tasneem**, Khursheed A. Sheikh, Md Naematullah, M.Mumtaz Alam, Farah Khan, Manika Garg, Mohd Amir, et al. "Synthesis, biological evaluation and docking studies of Methylene bearing cyanopyrimidine derivatives possessing a hydrazone

moiety as potent Lysine specific demethylase-1 (LSD1) inhibitors: A promising anticancer agents." *Bioorganic Chemistry* (2022): 105885 (Impact Factor: 5.307).

4. **Sharba Tasneem**, Mohammad Mumtaz Alam, Mohammad Amir, Mymoona Akhter, Suhel Parvez, Garima Verma, Lalit Mohan Nainwal, Ashif Eqbal, Tarique Anwer, and Mohammad Shaquiquzzaman. "Heterocyclic Moieties as HDAC Inhibitors: Role in Cancer Therapeutic." *Mini-Reviews in Medicinal Chemistry* (2021). (Impact Factor 3.86).
5. Sheikh, Khursheed Ahmad, Darakhshan Parveen, M. Mumtaz Alam, Faizul Azam, Mohammad Ahmed Khan, Mymoona Akhter, **Sharba Tasneem** et al. "Exploring cyclopropylamine containing cyanopyrimidines as LSD1 inhibitors: Design, synthesis, ADMET, MD analysis and anticancer activity profiling." *Bioorganic Chemistry* 147 (2024): 107336.
6. Shaista Amin, Khursheed A Sheikh, Ashif Iqbal, Mohammad Ahmed Khan, M. Shaquiquzzaman, **Sharba Tasneem**, Suruchi Khanna, A.K. Najmi, Mymoona Akhter, Anzarul Haque, Tarique Anwer, M. Mumtaz Alam. "Synthesis, in-silico studies and biological evaluation of Pyrimidine based Thiazolidinedione derivatives as potential Anti-diabetic agent". *Bioorganic Chemistry*, 106449. <https://doi.org/10.1016/j.bioorg.2023.106449> (5.307).
7. Nainwal, Lalit Mohan, Mohammad Shaququzzaman, Mymoona Akhter, Asif Husain, Suhel Parvez, **Sharba Tasneem**, Ashif Iqbal, and Mohammad Mumtaz Alam. "Synthesis, and reverse screening of 6- (3, 4, 5-trimethoxyphenyl) pyrimidine-5-carbonitrile derivatives as anticancer agents: Part-II." *Journal of Heterocyclic Chemistry* 59, no. 4 (2022): 771-788. (Impact factor: 2.193).
8. Nainwal, Lalit Mohan, **Sharba Tasneem**, Wasim Akhtar, Garima Verma, Mohammed Faraz Khan, Suhel Parvez, Mohammad Shaquiquzzaman, Mymoona Akhter, and Mohammad Mumtaz Alam. "Green recipes to quinoline: A review." *European Journal of Medicinal Chemistry* 164 (2019): 121-170. (Impact factor: 6.514).

9. Mohammad Shaquiquzzaman, Garima Verma, Akranth Marella, Mymoona Akhter, Wasim Akhtar, Mohemmed Faraz, **Sharba Tasneem**, Mohammad Mumtaz Alam (2015), Piperazine scaffold: a remarkable tool in the generation of diverse Pharmacological agents, *European Journal of Medicinal Chemistry*, 102, 487-529. (Impact factor: 6.514)
10. **Sharba Tasneem**, Garima Verma, Mohemmed Faraz Khan, Syed Rashiduddin Haider, Mohammad Mumtaz Alam, and Mohammad Shaquiquzzaman (2017). "EGFR INHIBITORS: ROLE IN CANCER THERAPY." *European Journal of Pharmaceutical and Medical Research* 2017, 4(10), 174-183.

POSTER PRESENTATION

- Actively participated in the International Faculty Development Program (FDP) on Emerging Trends and Techniques in Research Paper Writing and Conferring Intellectual Property Rights, organized by the School of Medical and Allied Sciences & Institution's Innovation Council (IIC) at Galgotias University, India, in association with the University of Cyberjaya (UoC), Malaysia from 6 Aug to 10 Aug 2024.
- Oral presenter in a day National Conference entitled "National conference on Interdisciplinary Approaches in Chemical Sciences-2023" held at Centre for Interdisciplinary Research in Basic Sciences, Jamia Millia Islamia, New Delhi on 16th March 2023.
- Presented poster on the Role of NMR at New Horizons in drug discovery and development (NHDDD-3) organized by Pharmaceutical Chemistry, Jamia Hamdard.
- Presented poster on the topic: Role of HDAC inhibitors at 51st year of establishment Association of Pharmaceutical Teachers of India (APTI), APTICON.
- Presented *E-* a poster on the topic of molecular docking in the active site of HDAC1 a two-day workshop on Molecular docking, virtual screening and biologics discovery.

- Presented poster on the topic HDAC inhibitor: Role in cancer therapeutics at International symposium and 9th Bioinformatics workshop on Informatics, drug discovery and development.

RESEARCH/SOFTWARE SKILLS

- Academic publication
- Expertise in the organic synthesis of heterocyclic compounds. Ability to run and maintain a chemical laboratory.
- Project planning and writing.
- A literature search using various databases like PubMed.
- Writing manuscripts as per publication/journal-specific guidelines.
- Basic knowledge of MS Office, GraphPad Prism and Image-J
- Knowledge and interpretation of FTIR, NMR and MASS spectroscopy.
- Expertise in **Molecular docking** study and good knowledge of Schrodinger and Autodock Vina software.
- Perform an *in-silico* study of new compounds and their ADMET study using different software such as pre-ADMET, Swiss ADME, Molinspiration, and pKCSM software.
- Basic knowledge of **SPSS software** for data analysis.

PERSONAL DETAILS

Date of Birth	29-07-1988
Father's name	Rezaur Rahman
Gender	Female
Marital Status	Married
Language Known	English, Hindi
Nationality	Indian