

Date: 10 October 2025

Shumaila Jawaid

Lecturer/ Cooperative Teacher

Department of Chemistry, NED University of Engineering and Technology

shumailajawaid@neduet.edu.pk & Shumaila.jawaid@yahoo.com

RESEARCH EXPERTISE

Organic Chemistry, Research experience in synthesis, isolation/purification, characterization, and biological activities of various natural products based potential prodrugs, including tetrahydro-2H-1,3,5-thiadiazine-2-thione (THTT) analogues, also having experience in synthesis, characterization, biological and fluorescence Studies of Macromolecules/ Macrocycles.

ACADEMIC CAREER			
Year	Degree	Field of Study	Institution/University/Board
InProgress	Ph.D.	Chemistry	University of Karachi
2019	M.S	Industrial Chemistry	N.E.D. University of Engineering and Technology
2013	B. S	Chemistry	Federal Urdu University of Arts, Sciences and Technology
2009	H.S.C.	Science	Karachi Board
2007	S.S.C.	Science	Karachi Board

Professional Experience:			
Institution	Position / Job Title	Period	
Dept. of Chemistry, NED University of Engineering and Technology	Lecturer/ Cooperative Teacher	2022	Continue
Dept. of Chemistry, NED University of Engineering and Technology	Teaching Assistant	19 March 2020	17 September 2022
Dept. of Chemistry, NED University of Engineering and Technology	Research Assistant	19 March 2019	18 March 2020
Dept. of Chemistry, Federal Urdu University of Arts, Sciences and Technology	Lecturer	January 2015	Jun 2015

RESEARCH PUBLICATIONS

PUBLISHED JOURNAL ARTICLES

Shumaila Jawaid, Nuzhat Arshad, Syed Nawazish Ali, Jamshed Hashim, Mehreen Lateef, & Ayesha Anwar. Synthesis and biological studies of novel fusidic acid-linked crown ethers. *Natural Product Research*, (2025) pp. 1-7, <https://doi.org/10.1080/14786419.2025.2569800>

Nuzhat Arshad, Shumaila Jawaid, Jamshed Hashim, Irfan Ullah, Somia Gul, Aisha Aziz Abdul Wadood, Alamzeb Khan. Highly potent anti-inflammatory, analgesic and antioxidant activities of 3,5-disubstituted tetrahydro-2H-1,3,5-thiadiazine thiones, *Bioorganic & Medicinal Chemistry Letters*, 79 (2023) 129068, <https://doi.org/10.1016/j.bmcl.2022.129068>

Nuzhat Arshad, Jamshed Hashim, Anjum Ayub, Rafia Usman Khan, Shumaila Jawaaid, Irfan Ullah and Abid Ali Khan. 1-Phenyl ethyl substituted tetrahydro-2H-1,3,5-thiadiazine-2-thione derivatives as promising antimicrobial agents, Pakistan Journal of Pharmaceutical Sciences 35, 2 (Special), March 2022, doi.org/10.36721/PJPS.2022.35.2.SP.665-669.1

Nuzhat Arshad, Abdul Hameed, Jamshed Hashim, Tahseen Iqbal, Iqra Munir, Syed Abid Ali, Maha Sharif, Deedar Ali, Shumaila Javed, and Rahman M. Hafizur. "Natural products embedded crown ethers as potent insulin secretory agents." Pakistan Journal of Pharmaceutical Sciences 34, no. 5 (Special) (2021): 2003-2008, doi.org/10.36721/PJPS.2021.34.5.SP.2003-2008.1

Nuzhat Arshad, Jamshed Hashim, Muhammad Ali Minhas, Javeria Aslam, Tahira Ashraf, Syeda Zehra Hamid, Tahseen Iqbal, and Shumaila Javed. "New series of 3, 5-disubstituted tetrahydro-2H-1, 3, 5-thiadiazine thione (THTT) derivatives: synthesis and potent antileishmanial activity." Bioorganic & Medicinal Chemistry Letters 28, no. 19 (2018): 3251-3254, <https://doi.org/10.1016/j.bmcl.2018.07.045>

Shumaila Jawaaid, Kashif Ahmed, Muhammad Aslam Bhutto. Bio concrete: an overview. Int. J. Biol. Biotechnol. 2018;15: 801-13.

CONFERENCES

- Attended, Organized and Participated in 2 Days International Industrial Chemistry Conference (IICC-2023) at N.E.D University of Engineering and Technology.
- Attended and Participated in the 3-day International Industrial Chemistry Conference (IICC-2021) at N.E.D University of Engineering and Technology.

WORKSHOPS & SEMINARS

- Attended and organized two different one-day mini symposia related to Green Chemistry and Modern Trends in Organic Chemistry.

Personal profile

Father Name: Muhammad Jawaaid

Spouse Name: Muhammad Ali

Marital status: Married