

Dr.Nuzhat Arshad			
Chairperson			
NED University of Engineering and Technology			
Department:	Chemistry	City:	Karachi
Specialization:	Organic Chemistry	Address:	Dept. of Chemistry, NED University of Engineering & Technology
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Honors / Awards/ Won Funded Projects			
NEDUET Best Researcher Award for the year 2022			
NEDASCC Best Publication Award 2021			
SRSP/SHCC: Competitive Research Grant 2021(2.3 Million) as Principle Investigator (PI)			
NEDASCC Best Publication Award 2017			
HEC Approved PhD Supervisor, 2009, 2018, 2021			
NRPU/ HEC: Competitive Research Grant 2016 (9.23 Million) as Principle Investigator (PI)			
Appreciation letter From Vice Chancellor of NEDUET 2017			
SRGP/ HEC: No: 21-250/SRGP R&D/HEC/2014 (0.318240 million) as COPI			
SRGP/ HEC: SRGP R&D/HEC/2010 (0.5 million) as Principle Investigator (PI)			
HEC Indigenous 5000 Scholarship			
HEC Research Support Initiative Scholarship			
Selected in Productive scientists of Pakistan directory under 40 for the year 2016 published in June 2017			
Passed International (ETS) GRE Subjective (69 % , Formula Score 81) in 2005			
Gold Medal For Securing Ist Class Ist Positions in MSC			
ACADEMIC QUALIFICATIONS			
Year	Degree	Field of Study	Institution/University
2009	Ph.D	Organic Chemistry	Karl Franzens University of Graz, Austria
2002	M.Sc	Organic Chemistry	University of Karachi, Pakistan, Gold Medalist
1998	B.Sc	Chemistry, Botany, Zoology	University of Karachi, Pakistan
1995	H.Sc	Science	Karachi Board, Pakistan
PROFESSIONAL EXPERIENCE			

Organization	Position	Period	
Dept. of Chemistry, NED University of Engineering & Technology, Karachi	Chairperson	2020	continue
Dept. of Chemistry, NED University of Engineering & Technology, Karachi	Associate Professor	2012	continue
Dept. of Chemistry, Federal Urdu Univ. For Arts, Science & Technology, Gulshan Campus, Karachi	Assistant Professor	2009	2012
Karl Franzens University of Graz, Austria	Ph.D. Research Fellow	2006	2009
HEJ Research Inst. of Chemistry, Univ. of KHI, Pakistan	Senior Research Fellow	2005	2006
HEJ Research Inst. of Chemistry, Univ. of KHI, Pakistan	Junior Research Fellow	2002	2005

RESEARCH INTERESTS

Current Interests: Microwave Assisted/ Conventional Syntheses of Ligands, Medicinal Compounds, Potential Prodrugs, Dyes, Macromolecules and Complexes along with the structural, biological and fluorescent characterization, Coupling Reactions (Pd, Ni, Cu).
Isolation and characterization of Natural Products, Bio transformations

THESES SUPERVISION

Type	Role	No. of Students Supervised & Year of Awarded Degrees
PH.D Theses	Supervisor	2-Continued (2023)
PH.D Theses	Co-Supervisor	1-Continued (2023)
MS.Theses	Supervisor	1-Continued (2023)
MS.Theses	Co-Supervisor	1-Continued (2023)
MS.Theses	Co-Supervisor	3/ 2022
MS.Theses	Supervisor	2/ 2022
MS.Theses	CoSupervisor	3/ 2021
MS.Theses	Supervisor	2/ 2020
MS.Theses	Supervisor	3/ 2019
MS.Theses	Supervisor	2/ 2018
MS.Theses	Supervisor	2/ 2017
MS(ISP)	Supervisor	2/ 2016
MS(ISP)	Supervisor	2/2015
BS	Supervisor	1/2012
M.Sc	Supervisor	1/2012

PUBLICATIONS IN INTERNATIONAL (HEC RECOGNIZED)

JOURNALS) : (IMPACT FACTOR 2022 = 35)

2022

1. **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>, JCR (**impact Factor 2.9**)
2. **Nuzhat Arshad**, Mehreen Lateef, Jamshed Hashim, Aisha Anwar,Rima D Alharthy, Hamza Azam and Anwar Iqbal, 1,3,5-Thiadiazinane thione derivatives as significant urease inhibitors , *Pakistan Journal of Pharmaceutical sciences* , 1011-601X 35 & 3(Special), May 2022. **JCR (impact Factor 0.684)**, doi.org/10.36721/PJPS.2022.35.3.SP.911-917.1
3. Rafia Usman Khan, **Nuzhat Arshad**, Razia Sultana, Jamshed Hashim, Haniya Sheikh, Waqas Zaidi, Zain Ahmed Shah and Samar Khan, Synthesis of dihydropyrimidine stabilized silver nanoparticles with significant anti urease and catalytic applications, , *Pakistan Journal of Pharmaceutical sciences* , 1011-601X, 35 & 2(Special), March 2022., **JCR (impact Factor 0.684)**, doi.org/10.36721/PJPS.2022.35.3.SP.923-930.1
4. **Nuzhat Arshad**, Jamshed Hashim, Anjum Ayub, Rafia Usman Khan, Shumaila Jawaid , Irfan Ullah and Abid Ali Khan, 1-Phenyl ethyl substituted tetrahydro-2H-1,3,5-thiadiazine-2-thione derivatives as promising antimicrobial agents,35 & 2(Special), March 2022. JCR (**impact Factor 0.684**), doi.org/10.36721/PJPS.2022.35.2.SP.665-669.1

2021

5. Natural products embeded crown ethers as potent Insulin Secretary agents N. Arshad, J. Hashim, , A. Ullah, S. Z. Hamid, I. O. Isaac *Pak. J. Pharm. Sci.* 2021, 34, (**impact Factor 0.684**),
6. Natural products based crown ethers: synthesis and their anticancer potential T. Iqbal, N. Arshad, J. Hashim, S. A. Ali, Binte Zehra, M. S. Ahmad, N. Hassan, A. Ullah, S. Z. Hamid, I. O. Isaac *J. Asian Nat. Prod. Res.* 2021, 23, xx (**impact Factor 1.4**),
7. Antiproliferative activity of 3,5-disubstituted tetrahydro-2H-1,3,5-thiadiazine thione (THTT) derivatives and evaluation as potential prodrug N. Arshad, M. Yaseen, J. Hashim, I. Ullah, R. Khan, I. Safi, A. Rafique, Q.-A. Hanif, U. A. Kulsoom *Pak. J. Pharm. Sci.* 2021, 34, 773-779. (**impact Factor 0.684**)
8. 3,5-Disubstituted tetrahydro-2H-1,3,5-thiadiazine-thione ester derivatives and their antimicrobial evaluation I. Ullah, J. Hashim, N. Arshad, M. Yaseen, R. Khan, T. Iqbal, S. Z. Hamid, A. Kanwal, I. Safi *Heterocycles* 2021, 102, 659-674. (**impact Factor 0.8**)

2018

9. New series of 3,5-disubstituted tetrahydro-2H-1,3,5-thiadiazine thione (THTT) derivatives: Synthesis and potent antileishmanial activity N. Arshad, J. Hashim, Irfanullah, M. A. Minhas, T. Ashraf, S. Z. Hamid, T. Iqbal, S. Javed *Bioorg. & Med. Chem. Lett.*, 2018, 28, 3251-3254

2016

10. Dihydropyrimidine Based Hydrazine Dihydrochloride Derivatives as Potent Urease Inhibitors A. Khan, J. Hashim, I. Khan, N. Arshad, N. Siddiqui, A. Wadood, M. Ali, F. Arshad, K. M. Khan, M. I. Choudhary *Bioorg. Chem.*, 2016, 64, 85-96 (**impact factor =2.15**)

2015

11. Talat Mahmood, Yasmin Bibi, Raana Zafar, Aneela Wahab, Iffat Mahmood, Nuzhat Arshad, Sikandar Khan Sherwani, **Pakistan Journal of Pharmaceutical Science**, **2015 (28, No 2) 631-634**, Complexation of b-Sitosterol with tris(dibenzylideneacetone) dipalladium and its antimicrobial activity. (**impact factor = 0.682**)

2014-2006

12. J. Hashim, N. Arshad, I. Khan, S. Nisar, B. Ali, M. I. Choudhary, *Tetrahedron*, **2014, 70, 8582-8587**, Preparation of Dihydropyrimidopyrimidine Derivatives from Biginelli 3,4-dihydropyrimidine-2-thiones. (**impact factor = 2.641**)

13. Palladium(0)-Catalyzed, Copper(I)-Mediated Coupling of Cyclic Thioamides with Alkenylboronic Acids, Organostannanes and Siloxanes N. Arshad, J. Hashim, C. O. Kappe 2010 8 ChemInform, 2009, 40, 50.

14. N. Arshad, J. Hashim, C. O. Kappe , (2009) **Journal Of Organic Chemistry Vol:74 pp:5118-5121** "Palladium(o)-Catalyzed, Copper(I)-Mediated Coupling of Cyclic Thioamides with Alkenyl Boronic Acids, Organostannanes and Siloxanes" . (**impact factor = 4.721**)

15. N. Arshad, J. Hashim, C. O. Kappe, (2008) *Journal Of Organic Chemistry* Vol:71 pp:4755-4758 "Synthesis of Bisquinolone-Based Mono- and Diphosphine Ligands of the Aza-BINAP Type" (**impact factor = 4.721**)

Pd(0)/Cu(I)-Mediated Cross-Coupling of Cyclic Thioamides and Thioureas N. Arshad, J. Hashim, C. O. Kappe *Synfacts*, 2009, 10, 1145.

16. N. Arshad, J. Hashim, C. O. Kappe ,**SYNFACTS**, **2009, 10,1145**, Palladium(0)/Cu(I)-Mediated Coupling of Cyclic Thioamides and Thioureas

17. N. Arshad, C. O. Kappe "**Heterocyclic BINAP Analogues**" (2010) **Vol: 99 pp:33-59**, *Advances in Heterocyclic Chemistry*. (**impact factor = 1.783**)

- 18.** D. Nayab, D. Ali, N. Arshad et al, (2006) **Natural Product Chemistry Vol:20 pp:409-413** "Cucurbutacin Glucosides from *Citrullus Colosynthis*" (**impact factor = 1.2**)