

CURRICULUM VITAE

Name: Dr. Tayyaba Shahzadi

Current Position: Assistant Professor

E Mail Address: tayyaba332@gmail.com, tayyaba.shehzadi@gcwus.edu.pk

Interest areas:

Organic Chemistry

Natural Product Chemistry

Nanochemistry

Nanocomposites

NATIONAL & INTERNATIONAL FUNDED PROJECTS:

- Surface modified biosynthesized magnetic nanoparticles for the removal of dyes from industrial effluent. Start-Up Research Grant Program.(As Co-PI)

MEMBERSHIP OF PROFESSIONAL BODIES:

1. Life-time member of the “Chemical Society of Pakistan”.
2. Life-time member of the “International Scientific Organization”.

AWARDS AND HONOURS

- HEC approved supervisor.
- Got indigenous scholarship from HEC for whole PhD programme.
- Conferred as “Best Researcher” in 2013, the year of Chemistry.

ADMINISTRATIVE & ADVISORY EXPERIENCE:

- **Member of Board of Studies in Chemistry:-** Serving as member of Board of Studies in Chemistry for arranging meeting of members and proceeding the documents to the concerned quarters.
- **Member of Istakshaaf Chemical Society:-** Serving as a member of Organizing Committee to arrange the invited lectures /seminars/workshops and functions in the Department.
- **Member of Research Progress Review Committee:-** Serving as a member of Research Progress Review Committee of Department to evaluate the progress of research scholars and offer suggestions to overcome their hurdles.
- **Member of Departmental Admission Committee:-** Serving as a member of Departmental Admission Committee to help out the meritorious admissions of BS & MS classes.

MS THESIS SUPERVISED/UNDER SUPERVISION:

Sr. #	Name of Student	Department	Thesis Topic	Supervisor / Co-supervisor
1.	Saba Shahzadi	Chemistry	Green synthesis of magnetic nanoparticles and their application in dyes removal from wastewater	Supervisor
2.	Irfa Muzamal	Chemistry	Bio-synthesis of magnetic nanoparticles and their application in dyes removal from wastewater	Supervisor
3.	Amna Kanwal	Chemistry	Eco-friendly synthesis of Ag-NPs using <i>Ghazenia</i> sp. and evaluation of its various activities.	Supervisor
4.	Saima Sana-ullah	Chemistry	Synthesis, characterization and various applications of silver nanoparticles prepared by <i>Vila tricolor</i> .	Supervisor
5.	Sidra Rehman	Chemistry	Bio-synthesis of metal nanoparticles with <i>Cannabis Sativa</i> and evaluation of its various activities	Supervisor
6.	Irum Shahzadi	Chemistry	Synthesis, structural characterization and applications of metal nanoparticles using <i>Araucaria heterophylla</i> leaves.	Supervisor
7.	Shazia Iqbal	Chemistry	Comparative study of green synthesized monometallic and bimetallic nanoparticles for colorimetric sensing of cupric ions.	Supervisor

SYMPOSIA/CONFERENCES/WORKSHOPS ATTENDED

Sr. #	Name	Role (Chief Guest/Panelist etc)	Title of Seminar	Organized by	Date
1.	Dr. Tayyaba Shahzadi	Resource Person	Two Day Workshop on computational tools in research	Istakshaaf Chemical Society, Department of Chemistry, GC Women University, Sialkot.	2-3 May, 2019

2.	Dr. Tayyaba Shahzadi	Organizer/ Participant	Nanotechnology, Research, Innovation and Scope in Pakistan	Istakshaaf Chemical Society, Department of Chemistry, GC Women University, Sialkot.	11 th of November, 2019
3.	Dr. Tayyaba Shahzadi	Participant	One day training on "Digital Library	GC Women University, Sialkot	April 26, 2019
4.	Dr. Tayyaba Shahzadi	Organizer/ Participant	Gold - from jewelry to medicine	Istakshaaf Chemical Society, Department of Chemistry, GC Women University, Sialkot.	14 th November, 2018
5.	Dr. Tayyaba Shahzadi	Organizer/ Participant	One day seminar on "Nano chemistry	Istakshaaf Chemical Society, Department of Chemistry, GC Women University, Sialkot.	13 th of April, 2018
6.	Dr. Tayyaba Shahzadi	Participant	Three days workshop on "Current Research in Chemical & Pharmaceutical Sciences	Department of Chemistry, Forman Christian College (A Chartered University), Lahore.	18th to 20 th January 2017,
7.	Dr. Tayyaba Shahzadi	Participant	Andragogical and Communication Skills	GC Women University, Sialkot	02-05-16 to 06-05-16
8.	Dr. Tayyaba Shahzadi	Participant	one day workshop on "NVIVO software	GC Women University, Sialkot	June 04, 2016
9.	Dr. Tayyaba Shahzadi	Participant	one day workshop on "Use of Turnitin Software and Digital Library	GC Women University, Sialkot	July 04, 2016
10.	Dr. Tayyaba Shahzadi	Participant	10 th International and 22 nd National Chemistry Conference	University of Agriculture, Faisalabad	November 21-23, 2011
11.	Dr. Tayyaba Shahzadi	Participant	inter universities poster competition	Department of Chemistry, GC University, Lahore	12 th September 2011
12.	Dr. Tayyaba Shahzadi	Participant	Two days workshop on crystallography and nanomaterials	Department of Chemistry, GC University, Lahore	19-21 October 2011
13.	Dr. Tayyaba Shahzadi	Participant	2 days workshop on Crytallography	Department of Chemistry, GC University, Lahore	6-7 June, 2011

14.	Dr. Tayyaba Shahzadi	Participant	inter departmental poster session	Department of Chemistry, GC University, Lahore	12 th January 2011
15.	Dr. Tayyaba Shahzadi	Participant	12 th International Symposium on Natural Product Chemistry	HEJ Research Institute of Chemistry, University of Karachi, Karachi.	November 22-25, 2010
16.	Dr. Tayyaba Shahzadi	Participant	2 nd International Seminar on Medicinal Plants	Lahore College for Women University, Lahore.	January 14-16, 2010
17.	Dr. Tayyaba Shahzadi	Participant	National Symposium on Pharmacological Studies of Medicinal Plants	Lahore College for Women University, Lahore	June, 20, 2009

RESEARH PUBLICATIONS

Sr. #	Full Name of Faculty Member	Authors	Title of Article	Name of Journal (With Issue, Volume and Page number, if online add DOI)	Date of Publication (Category)
1.	Dr. Tayyaba Shahzadi	Maria Zaib, Tayyaba Shahzadi , Irfa Muzammal & Umar Farooq	<i>Catharanthus roseus</i> extract mediated synthesis of cobalt nanoparticles: evaluation of antioxidant, antibacterial, hemolytic and catalytic activities	Inorganic and Nano-Metal Chemistry https://doi.org/10.1080/24701556.2020.1737819	February 2020
2.	Dr. Tayyaba Shahzadi	Tauheeda Riaz, Palwasha Mughal, Tayyaba Shahzadi , Sammia Shahid and Muhammad Athar Abbasi	Green synthesis of silver nickel bimetallic nanoparticles using plant extract of <i>Salvadora persica</i> and evaluation of their various biological activities	Mater. Res. Express 6 (2019) 1250k3 https://doi.org/10.1088/2053-1591/ab74fc	March 2020
3.	Dr. Tayyaba Shahzadi	T Riaz, M A Abbasi, T Shahzadi , Aziz ur Rehman and M Shahid.	Bioprospecting of <i>Fumaria indica</i> , <i>Dicliptera bupleuroides</i> and <i>Curcuma zedoaria</i> for Their Antimicrobial and Hemolytic Effects.	Pak. J. Pharm. Sci., 32 (2): 697-702	2019
4.	Dr. Tayyaba Shahzadi	T. Shahzadi , M. Zaib, T. Riaz, S. Shehzadi, M. A. Abbasi, M. Shahid.	Synthesis of Eco-friendly Cobalt Nanoparticles Using <i>Celosia argentea</i> Plant Extract and Their	Arab. J. Sci. Eng. https://doi.org/10	2019

			Efficacy Studies as Antioxidant, Antibacterial, Hemolytic and Catalytical Agent.	.1007/s13369-019-03937-0	
5.	Dr. Tayyaba Shahzadi	T. Shahzadi , T Riaz, M A Abbasi, F. Mazhar, M. Shahid, M. Ajaib.	<i>Wendlandia exserta</i> : A pertinent source of antioxidant and antimicrobial agent.	T. J. Biochem., 43(4): 43(4):456-453	2018
6.	Dr. Tayyaba Shahzadi	Muhammad Athar Abbasi, Tayyaba Shahzadi , Aziz-ur-Rehman, and Viqar Uddin Ahmad.	New iridoid glucosides from <i>caryopteris odorata</i> with suitable antioxidant potential.	<i>Chemistry of Natural Compounds</i> , 50 (5), 836-841	2014
7.	Dr. Tayyaba Shahzadi	T Shahzadi , M A Abbasi, T Riaz, Aziz-Ur-Rehman, K M Khan, M Ashraf, I Afzal, M N Akhtar and M Ajaib	Antioxidant and lipoxygenase inhibiting new iridoid glucosides from <i>Caryopteris odorata</i> .	<i>Nat. Prod. Res.</i> , 27, 302-313	2013
8.	Dr. Tayyaba Shahzadi	T Shahzadi , M A Abbasi, Aziz-Ur-Rehman, T Riaz, K M Khan, M Ashraf, I Afzal and M N Akhtar	Synthesis of some <i>O</i> -substituted derivatives of natural 6-hydroxymethyl-4-methoxy-2H-pyran-2-one (opuntiol)	<i>J. Chem. Soc. Pak.</i> , 35(2), 396-403	2013
9.	Dr. Tayyaba Shahzadi	T Riaz, M A Abbasi, Aziz-ur-Rehman, T Shahzadi , K M Khan, M Ashraf and S A Ejaz	Synthesis of some 4'- <i>O</i> substituted derivatives of natural naringin and their biological screening	<i>Asian. J. Chem.</i> , 25 (4), 1927-1933	2013
10.	Dr. Tayyaba Shahzadi	M A Abbasi, K Rubab, T Riaz, T Shahzadi , A Rehman, M Khalid and M Ajaib	In vitro assessment of relief to oxidative injury by different fractions of <i>Boerhaavia procumbens</i>	<i>Pak. J. Pharm. Sci.</i> , 25 (2), 357-364	2012
11.	Dr. Tayyaba Shahzadi	T Shahzadi , M A Abbasi, T Riaz, Aziz-ur-Rehman, K M Khan, V U Ahmad, M Asraf, B. Hussain and M. Ajaib	Chemical isolates from <i>Caryopteris odorata</i>	<i>J. Chem. Soc. Pak.</i> , 34(4), 442-447	2012
12.	Dr. Tayyaba Shahzadi	T Riaz, M A Abbasi, Aziz-ur-Rehman, T Shahzadi , and M Ajaib	<i>Fumaria indica</i> : a potent natural source of antioxidants for protection against carcinogenesis, neurodegenerative diseases and food products	<i>J. Pharm. Sci. Innov.</i> , 1(1), 16-21	2012
13.	Dr. Tayyaba Shahzadi	T Riaz, M A Abbasi, A Rehman, T Shahzadi , M Ajaib and K M Khan	Phytochemical Screening, Free radical Scavenging, antioxidant activity and phenolic content of <i>Dodonaea viscosa</i>	<i>J. Serb. Chem. Soc.</i> , 77 (4) 423–435	2012

14.	Dr. Tayyaba Shahzadi	T Riaz, M A Abbasi, T Shahzadi , A Rehman and M Ajaib	Screening of antioxidant activity, radical scavenging effects and phenolic contents in aqueous and organic fractions of <i>Dicliptera bupleuroides</i>	<i>J. Chem. Soc. Pak.</i> , 34(3) 326-332	2012
15.	Dr. Tayyaba Shahzadi	T Riaz, M A Abbasi, K Rubab, A Rehman, T Shahzadi , M Ajaib and K M Khan	<i>Cotinus coggyria</i> : a rich source of antioxidants	<i>Pak. J. Pharm. Sci.</i> 25 (3), 679-686	2012
16.	Dr. Tayyaba Shahzadi	T Riaz, M I Aujla, M A Kashmiri, T Shahzadi , A Asghar and T Ismail	A novel synthesis of polylactic acid and its characterization	<i>Asian J. Chem.</i> , 23(7), 3140-3142	2011
17.	Dr. Tayyaba Shahzadi	M A Abbasi, S Arshad, T Riaz, A Rehman, A Zafar, D Shahwar, M Jahangir, S Z Siddiqui, T Shahzadi and M Ajaib	In vitro assessment of relief to oxidative injury by different fractions of <i>Xanthoxylum armatum</i>	<i>Asian J. Chem.</i> , 33(8), 3353-3356	2011
18.	Dr. Tayyaba Shahzadi	M A Abbasi, A Aslam, T Riaz, A Rehman, T Shahzadi , S Z Siddiqui, M Irshad and M Ajaib	Investigation on the comparative antioxidant potential of various fractions of <i>Vitex negundo</i> of pakistani origin	<i>Biosci. Res.</i> , 8(1), 01-07	2011
19.	Dr. Tayyaba Shahzadi	S Z Siddiqui, M A Abbasi, A Rehman, T Riaz, T Shahzadi , D Shahwar, M Irshad and M Ajaib	<i>Olea ferruginea</i> : a potential natural source to protect from oxidative stress. <i>J. Med. Plants Res</i>	5(17), 4080-4086	2011
20.	Dr. Tayyaba Shahzadi	A Rehman, S Gulzar, M A Abbasi, T Shahzadi , T Riaz, S Z Siddiqui and M Ajaib	In vitro assessment of protection from oxidative stress by various fractions of <i>Artemisia incise</i> .	<i>J. Serb. Chem. Soc.</i> , 76(10), 1379-1386	2011
21.	Dr. Tayyaba Shahzadi	M A Abbasi, K Nazir, T Shahzadi , T Riaz, A Rehman, S Z Siddiqui and M Ajaib	<i>Acrachne racemosa</i> : a potent source for natural antioxidants	<i>Asian J. pharm. Biol. Res.</i> , 1(3), 376-383	2011
22.	Dr. Tayyaba Shahzadi	T Shahzadi , M A Abbasi, T Riaz, A Rehman, M Jahangir, S Z Siddiqui and M Ajaib	<i>Caryopteris odorata</i> : a rich source of antioxidants for protection against chronic diseases and food products	<i>J. Chil. Chem. Soc.</i> , 56(2), 678-681	2011
23.	Dr. Tayyaba Shahzadi	T Riaz, M A Abbasi, M I Umer, A Rehman, T Shahzadi , K M Khan, V U Ahmad	Comparison of Antioxidant Potential of volatile oils of <i>Syzygium aromaticum</i> and <i>Illicium verum</i> relative to conventionally used standards	<i>J. Chem. Soc. Pak.</i> , 33(2), 200-204	2011

24.	Dr. Tayyaba Shahzadi	T Riaz, M A Abbasi, T Shahzadi , A Rehman, S Z Siddiqui, H Khalid and M Ajaib	In vitro assessment of fortification from oxidative stress by various fractions of <i>Rhynchosia pseudo-cajan</i>	<i>J. Med. Plants Res.</i> , 5(30), 6597-6603	2011
25.	Dr. Tayyaba Shahzadi	T Riaz, M A Abbasi, T Shahzadi , A Rehman, S Z Siddiqui and M Ajaib	<i>Colebrookia oppositifolia</i> : a valuable source for natural antioxidants	<i>J. Med. Plants Res.</i> , 5(17), 4180-4187	2011
26.	Dr. Tayyaba Shahzadi	T Riaz, M A Abbasi, K Rubab, A Rehman, T Shahzadi , Z Qureshi and K M Khan	Antioxidant activity and radical scavenging effects of various fractions from <i>Curcuma zedoaria</i> .	<i>Asian J. Pharm. Biol. Res.</i> , 1(4), 525-533	2011
27.	Dr. Tayyaba Shahzadi	M A Abbasi, T Shahzadi , M Akkurt, A Rehman and T Riaz	6-Hydroxymethyl-4-methoxy-2H-pyran-2-one (Opuntiol)	<i>Acta Cryt.</i> , E-66, o199	2010
28.	Dr. Tayyaba Shahzadi	M A Abbasi, A Raza, T Riaz, T Shahzadi , A Rehman, M Jahangir, D Shahwar, S Z Siddiqui, A.R. Choudhary and N Ahmad	Investigations on the volatile constituents of <i>Juglans regia</i> and their in vitro antioxidant potential	<i>Proc. Pak. Acad. Sci.</i> , 47, 137-141	2010
29.	Dr. Tayyaba Shahzadi	M A Abbasi, A Zafar, T Riaz, A Rehman, S Arshad, D Shahwar, S.Z. Siddiqui, T Shahzadi and M Ajaib	Evaluation of comparative antioxidant potential of aqueous and organic fractions of <i>Ipomoea carnea</i>	<i>J. Med. Plants Res.</i> , 4, 1883-1887	2010
30.	Dr. Tayyaba Shahzadi	M A Abbasi, T Riaz, E Anwar, A Rehman, T Shahzadi , S Z Siddiqui, M Irshad and M Ajaib	Comparative study on the volatile constituents of American and Pakistani almonds and their antioxidant activities	<i>Biosci. Res.</i> , 7(1), 56-62	2010
31.	Dr. Tayyaba Shahzadi	M A Abbasi, T Riaz, F Mahmood, M Jahangir, D Shahwar, N Ahmad, T Shahzadi, M Ajaib, and V. U. Ahmad	Chemical composition of <i>n</i> -hexane extract of Pakistani peanut and its antiradical activities	<i>J. Chem. Soc. Pak.</i> , 31, 955-959	2009
32.	Dr. Tayyaba Shahzadi	M.A Qadir, J.I.Qazi, Q.U.A Khan, T. Shahzadi , T. Kausar, R. Anjum, S. Javed, S. Hanif, S.Khan	Antimicrobial and antifungal activity of some products derived through the condensation of antibiotics and amino acids	<i>J. Chem. Soc. Pak.</i> , 29(1), 48-50	2007