

## Department of Chemistry

**Dr. Tayyaba Shahzadi (Assistant Professor)**

**HEC Approved Supervisor**

**Impact Factor = nearly 12**

Sr. #	Research/Review papers	Status
1	M A Abbasi, <b>T Shahzadi</b> , M Akkurt, A Rehman and T Riaz., 6-Hydroxymethyl-4-methoxy-2H-pyran-2-one (Opuntiol). <i>Acta Cryt.</i> , E-66, o199 (2010).	Published
2	<b>T Shahzadi</b> , 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).	Published
3	<b>T Shahzadi</b> , 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).	Published
4	<b>T Shahzadi</b> , M A Abbasi, T Riaz, Aziz-Ur-Rehman, K M Khan, M Ashraf, I Afzal, M N Akhtar and M Ajaib. Antioxidant and lipoxxygenase inhibiting new iridoid glucosides from <i>Caryopteris odorata</i> . <i>Nat. Prod. Res.</i> , 27, 302-313 (2013).	Published
5	<b>T Shahzadi</b> , 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).	Published
6	Muhammad Athar Abbasi, <b>Tayyaba Shahzadi</b> , Aziz-ur-Rehman,1 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).	Published
7	M.A Qadir, J.I.Qazi, Q.U.A Khan, <b>T. Shahzadi</b> , 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).	Published
8	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).	Published
9	M A Abbasi, A Raza, T Riaz, <b>T Shahzadi</b> , 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).	Published
10	M A Abbasi, A Zafar, T Riaz, A Rehman, S Arshad, D Shahwar, S.Z. Siddiqui, <b>T Shahzadi</b> and M Ajaib. Evaluation of comparative antioxidant potential of aqueous and	Published

	organic fractions of <i>Ipomoea carnea</i> . <i>J. Med. Plants Res.</i> , 4, 1883-1887 (2010).	
11	M A Abbasi, T Riaz, E Anwar, A Rehman, <b>T Shahzadi</b> , 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).	Published
12	T Riaz, M I Aujla, M A Kashmiri, <b>T Shahzadi</b> , A Asghar and T Ismail., A novel synthesis of polylactic acid and its characterization. <i>Asian J. Chem.</i> , 23(7), 3140-3142, (2011).	Published
13	M A Abbasi, S Arshad, T Riaz, A Rehman, A Zafar, D Shahwar, M Jahangir, S Z Siddiqui, <b>T Shahzadi</b> 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).	Published
14	M A Abbasi, A Aslam, T Riaz, A Rehman, <b>T Shahzadi</b> , 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).	Published
15	S Z Siddiqui, M A Abbasi, A Rehman, T Riaz, <b>T Shahzadi</b> , D Shahwar, M Irshad and M Ajaib. Olea ferrugenia: a potential natural source to protect from oxidative stress. <i>J. Med. Plants Res.</i> , 5(17), 4080-4086 (2011). A Rehman, S Gulzar, M A Abbasi, <b>T Shahzadi</b> , 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).	Published
16	M A Abbasi, K Nazir, <b>T Shahzadi</b> , 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).	Published
17	T Riaz, M A Abbasi, M I Umer, A Rehman, <b>T Shahzadi</b> , 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).	Published
18	T Riaz, M A Abbasi, <b>T Shahzadi</b> , 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).	Published
19	T Riaz, M A Abbasi, <b>T Shahzadi</b> , 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).	Published
20	T Riaz, M A Abbasi, K Rubab, A Rehman, <b>T Shahzadi</b> , 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).	Published
21	T Riaz, M A Abbasi, Aziz-ur-Rehman, <b>T Shahzadi</b> , and M Ajaib. <i>Fumaria indica</i> : a	Published

	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).	
22	T Riaz, M A Abbasi, A Rehman, <b>T Shahzadi</b> , 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).	Published
23	T Riaz, M A Abbasi, <b>T Shahzadi</b> , 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) 2012.	Published
24	T Riaz, M A Abbasi, K Rubab, A Rehman, <b>T Shahzadi</b> , M Ajaib and K M Khan. <i>Cotinus coggyria</i> : a rich source of antioxidants. <i>Pak. J. Pharm. Sci.</i> <b>25</b> (3), 679-686 (2012).	Published
25	M A Abbasi, K Rubab, T Riaz, <b>T Shahzadi</b> , 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> , <b>25</b> (2), 357-364 (2012).	Published
26	T Riaz, M A Abbasi, Aziz-ur-Rehman, <b>T Shahzadi</b> , K M Khan, M Ashraf and S A Ejaz. Synthesis of some 4'-O substituted derivatives of natural naringin and their biological screening. <i>Asian. J. Chem.</i> , <b>25</b> (4), 1927-1933 (2013).	Published

Sr. #	Abstracts published in Conference	Status
1	Analysis of volatile constituents of <i>Opuntia dillenii</i> and their <i>in vitro</i> antioxidant potential. TAYYABA SHAHZADI, MUHAMMAD ATHAR ABBASI, TAUHEEDA RIAZ, MUHAMMAD JAHANGIR <sup>a</sup> , DURRE SHAHWAR, NAEEM AHMAD, and MUHAMMAD AJAIB Published in proceedings of “2 <sup>nd</sup> International Seminar on Medicinal Plants” held on January 14-16, 2010 at Lahore College for Women University, Lahore.	Published
2	6-Hydroxymethyl-4-methoxy-2H-pyran-2-one (Opuntiol). T Shahzadi, M A Abbasi, M Akkurt, A Rehman and T Riaz. published in proceedings of “12 <sup>th</sup> International Symposium on Natural Product Chemistry” held on November 22-25, 2010 at HEJ Research Institute of Chemistry, University of Karachi, Karachi.	Published



**Dr Hira Khalid (Assistant Professor)**

Sr. #	Research/Review papers
1	T. Riaz, M.A. Abbasi, T. Shahzadi, Aziz-ur-Rehman, S.Z. Siddiqui, M. Irshad, H. Khalid, and M. Ajaib "In vitro assessment of fortification from oxidative stress by various fractions of Rhynchosia pseudo-cajan" Journal of Medicinal Plants Research, vol. 5(30), pp. 6597-6603, 2011
2	J.Intekhab, M. Aslam, H. Khalid "Phytochemical Study of Glycosmis Mauritiana," American Journal of Plant Sciences, vol. 2, pp. 657-659, 2011
3	Hira khalid, Aziz-ur-Rehman, Muhammad Athar Abbasi <sup>1</sup> , Khalid Mohammad Khan, Muhammad Ashraf, Irshad Ahmad and Syeda Abida Ejaz "Synthesis of biologically active o- substituted derivatives of 1-[(3, 5-dichloro-2-hydroxyphenyl)sulfonyl]piperidine" Abstract Book ICPAC 2012, O-14, Mauritius
4	Khalid H, Aziz-ur-Rehman, Abbasi M.A., Khan K.M "Synthesis, Spectral Characterization And Structure-Activity Relationship Studies On Some Sulfonamides Bearing Piperidine Nucleus" International Journal of Pharmacy and Pharmaceutical Sciences, vol. 4(3), pp. 443-448, 2012
5	Aziz-ur-Rehman, Awais-ur-Rehman, Muhammad Athar Abbasi, Hira khalid, Parsa Dar, Khalid Mohammad Khan, "Synthesis and biological screening of N-substituted derivatives of N-benzyl- 4-chlorobenzenesulfonyl chloride" Asian Journal of Pharmaceutical and health Sciences, vol. 2(3), pp. 384-389, 2012
6	Aziz-ur-Rehman, Khadija Nafeesa, Muhammad Athar Abbasi, Hira khalid, Khalid Mohammad Khan, Muhammad Ashraf, Irshad Ahmad and Syeda Abida Ejaz, "Synthesis, spectral characterization and biological activity of S-substituted derivatives of 5-(4-Nitrophenyl)-1,3,4- oxadiazole-2-thiol" Asian Journal of Pharmaceutical and health Sciences, vol. 2(3), pp. 370-376, 2012
7	Aziz-ur-Rehman, Shahid Rasool, Muhammad Athar Abbasi, Hira khalid, Khalid Mohammad Khan, Muhammad Ashraf, Irshad Ahmad and Iftikhar Afzal, "Synthesis, characterization and biological screening of some 4-O-substituted derivatives of N-(4-hydroxyphenyl)-N-methyl-4- methylbenzenesulfonamide" International Journal of Pharmaceutical and Biological Research, vol. 2(2), pp. 100-105, 2012( IF.1.34)
8	Hira khalid, Aziz-ur-Rehman, "Synthesis of bioactive sulfonamides bearing piperidine nucleus with talented activity against cholinesterase" 16th International Electronic Conference on Synthetic Organic Chemistry.
9	Aziz-ur-Rehman, Nadia Abbas, Muhammad Athar Abbasi, Hira khalid, Khalid Mohammad Khan,

	Muhammad Ashraf, Irshad Ahmad and Syeda Abida Ejaz, " Synthesis, Spectral Characterization and Biological Screening of N-Substituted Derivatives of N-(1-Hydroxy-2- methylpropan-2-yl)benzenesulfonamide" Asian Journal of Chemistry; Vol. 25(6), pp. 3289-3293, 2013.(IF.0.0355)
10	Hira Khalid, Aziz-ur-Rehman, Muhammad Athar Abbasi, Khalid Mohammad Khan, Muhammad Ashraf, Irshad Ahmad and Syeda Abida Ejaz "Synthesis of biologically active O- substituted derivatives of 1-[(3, 5-dichloro-2-hydroxyphenyl) sulfonyl] piperidine" Pakistan Journal of Pharmaceutical Sciences, Vol. 26(3), 479-485, 2013.(IF.0.947)
11	Hira Khalid, Aziz-ur-Rehman, Muhammad Athar Abbasi, Abdul Malik, Muhammad Ashraf, Irshad Ahmad and Tayaba Ismail " Synthesis, Spectral Analysis and Biological Evaluation of Bearing Piperidine Nucleus" Asian Journal of Chemistry, Vol. 25(17), 9468-9472, 2013( IF.0.355)
12	Najmul Hasan, Mathurot Chaihar, Sauleha Khan, Hira Khalid, Nawab Sher, Farhan Ahmed iddiqui, and Muhammad Zain Siddiqui " Dual Wavelength RP-HPLC Method for Simultaneous Determination of Two Antispasmodic Drugs: An Application in Pharmaceutical and Human Serum" Journal of Analytical Methods in Chemistry, Vol. 2013, Article ID 297285, 2013( IF.0.565)
13	Najm ul Hasan, Mathurot Chaihar, Shabana Naz Shah, Hira Khalid, and Abdul Jabbar Simultaneous Determination of NSAID and Antimicrobial Preservatives Using Validated RP- HPLC Method: An Application in Pharmaceutical and Clinical Laboratories" Pharmaceutica Analytica Acta, Vol. 4(8), Article ID 1000263, 2013( IF. 2.218)
14	Hira Khalid, Javed Intikhab " Characterization and Biochemical Studies of the Oils Extracted from Four Cultivars of Vigna mungo, Grown in Pakistan" Journal of Rashid Latif Medical College, Vol. 2(1), 19-24, 2013
15	Hira Khalid, Aziz-ur-Rehman, Muhammad Athar Abbasi, Rashad Hussain, Khalid Mohammad Khan, Muhammad Ashraf, Syeda Abida Ejaz, and M. Qaiser Fatmi " Synthesis, biological evaluation and molecular docking of N'-(Aryl/alkylsulfonyl)-1-(phenylsulfonyl) piperidine-4- carbohydrazide derivatives" Turkish Journal of Chemistry, Vol. 38, 189-201, 2014.(IF. 0.888)
16	Aziz-ur-Rehman, Hira Khalid, M. Athar Abbasi, Samreen Gul, Khalid Mohammed Khan, Irshad Ahmed, Shafia Arshad, "Synthesis of potent Antibacterial agents derived from 5[1- (Phenylsulfonyl)piperidin-4-yl]-1,3,4-oxadiazole-2-thiol" Journal of Chemical Society of Pakistan, J. Chem. Soc. Pak., Vol.36(1), 131-139, 2014( IF.0.614)
17	Hira Khalid, Aziz-ur-Rehman, Muhammad Athar Abbasi, Sabahat Zahra Siddiqui, Abdul Malik, Muhammad Ashraf, Irshad Ahmad and Syeda Abida Ejaz "Synthesis of some new biologically active N-

substituted-2"-[(phenylsulfonyl)(piperidin-1-yl)amino]acetamide derivatives” Pakistan Journal of Pharmaceutical Sciences, Vol.27(3), 517-524, 2014.(IF.0.947)
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**Dr. Farhana Aman (Assistant Professor)**

Sr. #	Research/Review papers
1	Aman, F., M. Hanif, W. A. Siddiqui, A. Ashraf, L. Filak, J. Reynisson, T. Soehnel, S. Jamieson & C. Hartinger, (2014), Anticancer Ruthenium ( $\eta^6$ -p-cymene) Complexes of Non-steroidal Anti-inflammatory Drug Derivatives. <i>Organometallics</i> , dx.doi.org/10.1021/om500825h (IF: 4.126)
2	Aman, F., Hanif, M., Ashraf, A., Siddiqui, W. A., Jamieson, S., Hartinger, C. G., Abstract J BiolInorgChem (2014) 19 (Suppl 2):S779–S814Oxicams as bioactive ligand systems in anticancerRu II (p-cymene) complexes (IF: 2.538)
3	Aman, F., Asiri, A. M., Siddiqui, W. A., Arshad, M. N. Ashraf A., Zakharov, N. S., Blatov, V. A.(2014) <u>Multilevel topological description of molecular packings in 1, 2-benzothiazines</u> , Cryst. Eng. Comm. 16, 1963-1970 (IF: 4.034)
4	Aman, F., Siddiqui, W. A., Ashraf, A., <u>Siddiqui, H. L., Parvez, M.,</u> (2012) <i>N</i> -Benzyl-4-hydroxy-2-methyl-1,1-dioxo-2 <i>H</i> -1 $\lambda^6$ ,2-benzothiazine-3-carboxamide Acta. Cryst.E68, o1921.
5	Aman, F., Siddiqui, W. A., Ashraf, A., <u>Siddiqui, H. L., Parvez, M.,</u> (2012) 4-Hydroxy-2-methyl-1,1-dioxo- <i>N</i> -phenyl-2 <i>H</i> -1 $\lambda^6$ ,2-benzothiazine-3-carboxamide Acta. Cryst.E68, o1790.
6	Aman, F., Siddiqui, W. A., Ashraf, A., Tahir, M. N., (2012) 2,3-Dihydro-1 $\lambda^6$ ,2-benzothiazine-1,1,4-trione Acta. Cryst.E68, o1306.
7	Aman, F., Siddiqui, W. A., Ashraf, A., Tahir, M. N., (2012) 4-Hydroxy-2-methyl-1,1-dioxo-2 <i>H</i> -1 $\lambda^6$ ,2-benzothiazine-3-carboxylic acid hemihydrates, Acta. Cryst. E68, o621-o622.



**Dr. Tauheeda Riaz (Assistant Professor)**

**HEC Approved Supervisor**

**Impact Factor = nearly 17**

<b>Sr. #</b>	<b>Research/Review papers</b>	<b>Status</b>
1	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).	Published
2	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).	Published
3	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).	Published
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21	Aziz-ur-Rehman, A Abbas, T Riaz, S. Ahmad, M A Abbasi, S Z Siddiqui and M Ajaib. <i>Ipomoea hederacea</i> :an imperative source for natural antioxidants. <i>Asian J. Pharm. Biol.</i>	Published



	<i>Res.</i> 1(4), 434-541(2011).	
22	Aziz-ur-Rehman, S Ahmad, T Riaz, A Abbas, M A Abbasi, S Z Siddiqui and M Ajaib., <i>Martynia annua</i> :Comparative Antioxidant Potential of its Stem and Leaves., <i>Asian.J. Chem.</i> 24(8), 3335-3338 (2012).	Published
23	I Hafeez, A Rehman, I Mariam, T Riaz, M A Abbasi, S Z Siddiqui and M Ajaib. <i>Acalypha Brachystachya</i> :a Valuable Source for Natural Antioxidants. <i>Asian J. Chem.</i> 24(10), 4436-4440 (2012).	Published
24	M I Aujla, M A Kashmiri, M Hussain, T Ismail and T Riaz., Organo-Complexing Leaching of Iron From Indegeneous Bauxite, <i>Asian J. Chem.</i> 23(7), 2722-2724 (2011).	Published
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28	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).	Published
29	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).	Published
30	A Fatima, A Rehman, T Riaz, N Abbas, M A Abbasi, S Z Siddiqui and Z Khan. <i>Cassia surattensis</i> :an Indispensable Source for Natural Antioxidants <i>Asian J. Chem.</i> 24(10), 4340-4344 (2012).	Published
31	T Riaz, M A Abbasi, Aziz-ur-Rehman and M Ajaib., Isolation, Structure Elucidation and Antioxidant Screening of Some Natural Products from <i>Colebrookia oppositifolia</i> . <i>Biosci. Res.</i> 9(2), 68-76 (2012).	Published
32	M A Abbasi, F Khaid, A Rehman, T Riaz and M Ajaib. <i>Justicia peploides</i> : an inevitable source of natural antioxidants to relief from oxidative stress. <i>International Res. J. Pharm.</i>	Published

	4(1), 274-279 (2013).	
33	T Riaz, M A Abbasi, N Riaz, Aziz-ur-Rehman, M Saleem, K M Khan, M Ajaib., Isolation, Structure Elucidation and Antioxidant Screening of Some Secondary Metabolites from <i>Rhynchosia pseudo-cajan</i> . <i>J. Chem. Soc. Pak.</i> 34(5), 1204-1212 (2012).	Published
34	T Riaz, M A Abbasi, Aziz-ur-Rehman, T Shahzadi, K M Khan, M Ashraf and S A Ejaz. Synthesis of some 4'-O substituted derivatives of natural naringin and their biological screening. <i>Asian. J. Chem.</i> , 25 (4), 1927-1933 (2013).	Published
35	M A Abbasi, H Saleem, T Riaz, A Rehman, and M Ajaib. Determination of antioxidant activity and phytoconstituent screening of <i>Euphorbia Heterophylla</i> Linn. <i>British J. Pharm. Res.</i> 3(2): 202-216 (2013).	Published
36	S Shahid, T Riaz, M A Abbasi, F Khalid, A Rehman and M Ajaib. <i>In vitro</i> assessment of protection from oxidative stress by various fractions of <i>Mazus pumilus</i> . <i>J. Chem. Soc. Pak.</i> 35(3), 593-598 (2013).	Published
37	Aziz-ur-Rehman, A Siddiq, M A Abbasi, T Riaz, G Hussain, S Z Siddique, M Irshad, M Ajaib and I Ahmad. <i>Bergia ammannoides</i> : phytochemical screening, antioxidant activity and radical scavenging effects of its various fractions. <i>Asian.J. Chem.</i> 25(14) 7921-7926 (2013).	Published
38	R Khanum, M Jahangir, Aziz-ur-Rehman, M A Abbasi, F Mazhar, S Kausar T Riaz and M Ajaib. Phytochemical Screening and Antioxidant Evaluationsof Different Fractions of <i>Argyrolobium roseum</i> . <i>Asian.J. Chem.</i> 25(13) 7485-7489 (2013).	Published
39	M Ajaib, Z Khan, M A Abbasi, T Riaz. Antimicrobial Screening of <i>Iris aitchisonii</i> (Bakar) Boiss. <i>Biologia (Pakistan)</i> 59(1), 51-55 (2013).	Published
40	M A Abbasi, A Rehman, V U Ahmad, T Riaz and F Khalid. Evaluation of antibacterial, antifungal, enzyme inhibition and hemolytic activities of <i>Caryopteris odorata</i> fractions. <i>Int. Res. J. Pharm.</i> 4, 9-15 (2013).	Published

41	P John, I Ahmad, Aziz-Ur-Rehman, T Riaz, M Z Qureshi, and M A Abbasi. <i>In Vitro</i> evaluation of antioxidant activity of <i>Skimmia anquetilia</i> leaves' extracts. <i>Int. Res. J. Pharm.</i> 5(3), 143-150 (2014).	published
42	S Shahid, T Riaz and N Asghar. Screening of <i>Ranunculus sceleratus</i> for enzyme, antioxidant and antibacterial activities. <i>Bangladesh J. Pharmacol.</i> 42, 436-444 (2015).	published
43	T Riaz, M A Abbasi, Azir ur Rehman, S Z Siddiqui, M Shahid, H Fatima, M Ashraf, S A Ejaz, Z G Rasool and G H Abbasi. Assessment of enzyme inhibitory, antimicrobial and hemolytic activities of <i>Colibrookea oppositifolia</i> . <i>Pak. J. Pham. Sci.</i> 30(1), 105-112 (2017).	published
44	T Riaz, M A Abbasi, T Shehzadi, 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. <i>Pak. J. Pham. Sci.</i>	in press

Sr. #	Abstracts published in Conference	Status
1	Chemical composition of <i>n</i> -hexane extract of Pakistani peanut and its antiradical activities. T Riaz, M A Abbasi, F Mahmood, M Jahangir, D Shahwar, N Ahmad, T Shahzadi, M Ajaib and V U Ahmad. Published in proceedings of "2 <sup>nd</sup> International Seminar on Medicinal Plants" held on January 14-16, 2010 at Lahore College for Women University, Lahore.	Published
2	Comparative Study on the Volatile Constituents of American and Pakistani Almonds and their Antioxidant Activities. T Riaz, M A Abbasi, E Anwar, A Rehman, T Shahzadi, S Z Siddiqui, M Irshad and M Ajaib. Published in proceedings of "2 <sup>nd</sup> International Seminar on Medicinal Plants" held on January 14-16, 2010 at Lahore College for Women University, Lahore.	Published
3	Comparison of Antioxidant Potential of volatile oils of <i>Syzygium aromaticum</i> and <i>Illicium verum</i> Relative to Conventionally Used Standards. T Riaz, M A Abbasi, M I Umer, A Rehman, T Shahzadi, K M Khan, V U Ahmad. published in proceedings of "12 <sup>th</sup> International Symposium on Natural Product Chemistry" held on November 22-25, 2010 at HEJ Research Institute of Chemistry, University of Karachi, Karachi.	Published



**Dr. Amina Sadiq (Assistant Professor)****IF: 20**

Sr. #	Research/ Review Paper/s	Status
1	6-Alkynyl- and 6-Aryl-Substituted ( <i>R</i> )-pipercolic acid derivatives. <b>Sadiq, A.</b> ; Sewald, N., <i>Org. Lett.</i> <b>2013</b> , <i>15</i> , 2720–2722.	Published
2	( <i>R</i> )- $\alpha$ -Aminoadipic acid: a versatile precursor for the synthesis of D-amino acids. <b>Sadiq, A.</b> ; Sewald, N., <i>J. Amino Acids</i> , <b>2013</b> , [doi:10.1155/2013/252813].	Published
3	D-alpha-Aminoadipic acid: An interesting chiral pool building block. <b>Sadiq A</b> , Sewald N. <i>Arkivoc</i> , <b>2012</b> , 28–36	Published
4	SAR Studies of Some Potent Antifungal Flavones, 4-Thioflavones and 4-Iminoflavones, E. U. Mughal, <b>A. Sadiq</b> and A. Hasan, <i>Asian J. Chem.</i> <b>2012</b> , <i>24</i> ,4361–4364.	Published
5	Isolation and Synthesis of Flavonols and Comparison of their Antioxidant Activity A.Hasan, <b>A. Sadiq</b> , A. Abbas, E. Mughal, K. M. Khan and M. Ali, <i>Nat. Prod. Res.</i> <b>2010</b> , <i>24</i> ,995–1003	Published
6	Synthesis and Potent Anti-Bacterial Activity Of New Substituted Flavones, 4-Thioflavones and 4-Iminoflavones, E. U. Mughal, M. Ayaz, Z. Hussain, A. Hasan, <b>A. Sadiq</b> , M. Riaz, A. Malik, S. Hussain and M. I. Choudhary, <i>Bioorg. Med. Chem.</i> <b>2006</b> , <i>14</i> ,4704–4711.	Published
7	Synthesis, structure–activity relationship and molecular docking of 3-oxoaurones and 3-thioaurones as acetylcholinesterase and butyrylcholinesterase inhibitors, E. U. Mughal, <b>A. Sadiq</b> , S. Murtaza, H. Rafique, Zafar, T. Riaz, B. A. Khan, A. Hameed and K. M. Khan, <i>Bioorg. Med. Chem.</i> , <b>2016</b> , accepted for publication (DOI: 10.1016/j.bmc.2016.10.016).	Published
8	Synthesis, Biological Activity and Computational Studies of Novel Azo Compounds, J. Ashraf, S. Murtaza, E. U. Mughal and <b>A. Sadiq</b> , <i>J. Chem. Soc. Pak.</i> , <b>2016</b> , accepted for publication.	Accepted
9	Synthesis, Molecular Docking Studies and Biological Evaluation of 3-Iminoaurones as Acetylcholinesterase and Butyrylcholinesterase Inhibitors, E. U. Mughal, <b>A. Sadiq</b> , B. A. Khan, M. N. Zafar and I. Ahmed, <i>Lett. Drug Design and Discovery</i> , <b>2016</b> , accepted for publication.	Accepted
10	Design, synthesis and antibacterial activities of new azo-compounds: an experimental and a computational approach, J. Ashraf, E. U. Mughal, S. Murtaza, <b>A. Sadiq</b> , S. A. K. Tanoli, A. Mumtaz, A. Hameed, K. M. Khan, I. Ahmed and B. Khalid: <i>Lett. Drug Design and Discovery</i> , <b>2016</b>	Accepted for Publication

Sr. #	Abstracts Published in Conferences	Status
1	Reference: <b>ChemInform Abstract: 6-Alkynyl- and 6-Aryl-Substituted (<i>R</i>)-Pipelicolic Acid Derivatives.</b> Sadiq, A.; Sewald, N., ChemInform, 2013, 44(40), [doi: 10.1002/chin.201340155]	Published

