

Dr. SABAHAT ZAHRA SIDDIQUI*d/o*

Abdul Hafeez Siddiqui & Saleema Khatoon

Official Address: Department of Chemistry GC University 54000 Katchery Road Lahore, Pakistan.Office Tel (UAN): 0092-42-111-000-010 EXT: 449/ 450Residential Address:

New: House No. 1654, Block C, Street 5, DHA Phase 9 Lahore

Old: H. No. 68, St. No. 56 Bilal, Syed Park Sant Nagar, Lahore.

Land Line No. +92-423-7152175Mobile No. +92-336-3335523e-mail: sabahat.gcu@gmail.comCNIC No. 35202-2486893-2Religion: IslamD.O.B : 22nd October 1982

Research Interests	<ul style="list-style-type: none"> Synthesis, structural modification & elucidation of organic heterocycles <i>In vitro</i> Bioassay screening (Anti-enzymatic/ anti-bacterial/antioxidant/cytotoxicological analysis) of synthetic moieties and medicinal plant extracts and elucidating structure-activity relationship (SAR) Computational analysis of synthesized derivatives Natural Product's Isolation and their structural investigations 		
Education	Department of Chemistry GC University, Lahore		
18 credit hour course (468/600; 78 %)	Specialization: <i>Synthetic Organic Chemistry/Natural Products</i>	2009 – 2014	
	Dissertation: <i>"Investigations on the chemical constituents of Olea ferrugenia and synthesis of biologically active molecules containing 2,5-disubstituted-1,3,4-oxadiazole core"</i>	PhD/ Split PhD UPENN, USA (IRSIP Scholar 2011-2012)	
	Supervisor: Dr. Muhammad Athar Abbasi		
(836/1200; 70 %; 1 Division)	Institute of Chemistry University of Punjab, Lahore		2005-2007
	Specialization: <i>Synthetic Organic Chemistry</i>	M.Phil	
	Dissertation: <i>Synthesis and application of 2-Phenylbenzimidazoles and their derivatives"</i>		
(G.P.A 3.25, 1046/1300; 80 %; 1 st Division)	Department of Chemistry GC University, Lahore		2002-2004
	Specialization: <i>Synthetic Organic Chemistry</i>	M.Sc	
	Dissertation: <i>"Synthesis and Characterization of Benzotriazoles, Benzimidazoles and their Derivatives."</i>		
	Supervisor: Dr. Iftikhar Ahmad		
(634/900; 70.4 %; A ⁺)	Lahore College for Women University, Lahore		2000 – 2002
	Specialization: <i>Chemistry, Botany and Zoology</i>		B.Sc
(771/1100; 70 %; A)	Govt. Jinnah Degree College , Lahore		1998 – 2000
	Specialization: <i>Pre-Medical (Chemistry, Biology, English and Physics)</i>		Intermediate
(607/850; 71 %; A)	Sacred Heart Cathedral High School, Lahore.		1998-2000
	Courses: Chemistry, Biology, English, Physics and Mathematics		Matriculation
Service rendered (Government Of Pakistan)	As "Presiding Officer in Elections 2013" after One day training of Presiding Officer organized by Election Commission of Pakistan at Govt. Islamia High School for Boys, Mughalpuira-Lahore.		22 nd April, 2013
Research	Department of Chemistry GC University, Lahore		2007 – To Date
Session/Supervision	Dissertation	Researcher (Roll No.)	Program
2007-2009	Synthesis and Characterization of	Hammad Khalid	M.Sc
Supervisor	Quinoxaline Derivatives	(Roll No. 1034)	Industrial Chemistry

2007-2009 Supervisor	Synthesis and Characterization of Pyrimidine Derivatives and Their Biological Activity	Irum Hussain (Roll No. 961)	B.Sc (H)
2007-2009 Supervisor	Synthesis of Substituted Pyrimidine-5-carboxylate and its Biological Activity	Shabana Abdul Hameed (Roll No. 957)	
2008-2010 Co-Supervisor	Synthesis of Coumarine based dyes	Shamsa Mehmood	
2008-2010 Supervisor	Metal Complexation of Hippuric Acid	Nuzhat Shafique (993)	
2008-2010 Supervisor	Synthesis and Characterization of 2-Aminobenzothiazoles and Their Derivatives	Mian Usama Waqas (829)	
2010-2011 Supervisor	<i>In vitro</i> assessment of antioxidant activity of <i>Pyrus pashia</i>	Saima Ali (161)	
2010-2011 Co-Supervisor	Antioxidant Activity on Various Extracts of <i>Lonicera quinquelocularis</i> and Synthesis of 6-membered Heterocycles	Hina Saleem Paracha (177)	
2011-2012 Supervisor	Synthesis and spectral characterization of different sulfonamides derived from 4-acetamidobenzene sulfonyl chloride	Anam Zahid (161)	
2012-2013 Supervisor	Synthesis and structural analysis of derivatives of 2-ethyl-6-methyl aniline	Hafsah Rafiq (167)	
2012-2013 Supervisor	Synthesis and spectral analysis of 2-methoxy aniline derivatives	Maryam Shafique (185)	
2012-2013 Supervisor	Synthesis, spectral characterization and chymotrypsin activity of <i>N</i> -substituted sulfamoylacetamides	Sobia Shahid (177)	
2013-2014 Supervisor	Synthesis and biological evaluation of Schiff-bases derived from 2-(4-chlorophenoxy)acetohydrazide	Anum Naeem (156)	
2015-2016 Supervisor	Synthesis of Schiff-bases derived from 2-[5-(4-chlorophenoxy)methyl-1,3,4-oxadiazol-2ylthio]acetohydrazide.	Safdar Abbas 166-BH-CHEM-12	
2016-2017 Supervisor	Synthesis of acetohydrazides bearing 2-[5-(4-chlorophenoxy)methyl-1,3,4-oxadiazol-2-thiol moiety.	Samra Tahseen 174-BH-CHEM-12	
	Synthesis and Characterization of <i>N</i> -substituted derivatives of 4-methylpiperazine	Shehzadi Yaseen 188-BH-CHEM-13	
2017-2018 Supervisor	Synthesis and characterization of <i>N</i> -substituted derivative of 4-[[4 (<i>N</i> -3,5-dimethylphenyl)sulfamoyl]phenyl]acetamide	Hafiza Saman Arshad 315-BH-CHEM-14	
	Synthesis and spectral characterization of <i>N</i> -aryl derivatives of 4-acetamidobenzenesulfonyl chloride	Hafiz Hassan Munawar 372-BH-CHEM-14	
	Synthesis and structural characterization of sulfonamide derived from 4-acetamidobenzenesulfonylchloride	Farwa Afzal 350-BH-CHEM-14	
	Synthesis and spectral analysis of <i>N</i> -substituted-3,5-dimethylaniline derivatives	Muhammad Hassan 350-BH-CHEM-14	

2018-2019 <i>Supervisor</i>	Synthesis of S-alkyl substituted triazole	Rizwana Sikandar 189-BH-CHEM-12	
2020-2021 <i>Supervisor</i>	Base-initiated cyclization of substituted azole moiety	Ifra Zaheer 0234-BH-CHEM-17	
	Synthesis of derivatives of triazoles bearing substituted phenyl ring	Rimsha Azam 0228-BH-CHEM-17	
2021-2022 <i>Supervisor</i>	Base-initiated Cyclization of Darconic acid with substituted phenylisothiocyanate	Sana Riaz 0072-BH(E)-CHEM-18	
	Synthesis and spectral elucidation of S-substituted derivatives of triazole	Naman Qayyum 0060-BH(E)-CHEM-18	
2022-2023 <i>Supervisor</i>	Synthesis of azole molecules from p-Anisic acid utilizing ethyl isothiocyanate	Fariha Manzoor 0231-BH-CHEM-19	
2022-2023 <i>Supervisor</i>	Synthesis and Spectroscopic Studies of Novel Sulfonamide compounds bearing p-Anisic acid moiety	Nimrim Azeeqa 0249-BH-CHEM-20	M.Phil
<i>Supervisor</i>	Synthesis, Spectral Analysis and Pharmacological Screening of N-(2,4-Dimethylphenyl)benzenesulfonamide Derivatives	Muhammad Afzaal Sarwar (4-MSFC-2012)	
2014-2015 <i>Supervisor</i>	Synthesis, Characterization and Biological Activity of 4-Bromo-N-(3,4-dimethylphenyl)benzenesulfonamide Derivatives	Muhammad Ahsan (2013-MP-CHEM-56)	
2015-2016 <i>Supervisor</i>	Synthesis and structural elucidation of N-substituted derivatives of 4-bromo-N-(3,4-dimethylphenyl)benzenesulfonamide	Maria Dawood 824-MPHIL-CHEM-2014	
	Synthesis and spectral analysis of N-alkyl/aralkyl derivatives of 4-bromo-N-(3,4-xylydene)benzenesulfonamide	Sundas Fatima 815-MPHIL-CHEM-2014	
	Synthesis, characterization and biological screening of N-acyl derivatives of 4-methyl-1-piperazine	Hafiz Muhammad Athar 851-MPHIL-CHEM-14	
	Synthesis, characterization and biological screening of N-sulfonated derivatives of 3,5-xylydene	Mazhar Hussain 837-MPHIL-CHEM-2014	
2017-2018 <i>Supervisor</i>	Synthesis and spectral analysis of N-(4-{[N-(substituted)-N-3,5-dimethylphenyl]sulfonyl}phenyl)acetamides	Ayesha Sharif 845-M.Phil-2015	
	Synthesis and structural elucidation of N-{4[(aryl-3,5-dimethylaniline)sulfonyl]phenyl}acetamides	Tahira Parveen 841-M.Phil-2015	
2018-2019 <i>Supervisor</i>	S-alkylated derivatives of 4-methoxybenzoic acid	Maheen Shahid 826-MPhil-Chem-2016	

	Synthesis and spectral characterization of S-substituted derivatives of draconic acid	Zainab Ayaz 823-MPhil-Chem-2016
	Base-Catalyzed Cyclization of Substituted Benzohydrazide and its Spectral Analysis	Muhammad Ashraf 828-MPhil-CHEM-17
	Synthesis and spectral characterization of S-substituted derivatives of 1,2,4-triazole	Shahid Khan 857-MPhil-CHEM-17
	Base-catalyzed cyclization of Daraconic acid with substituted phenylisothiocyanate	Hafiz Muhammad Daniyal Nadeem 0856-7-M.Phil-18
	Synthesis & spectral characterization of di-substituted triazoles bearing 4-methoxyphenyl moiety	Farwa Afzal 0814-7.M.Phil-18
	Synthesis & spectroscopic studies of phenylisothiocyanate derivatives	Muhammad Hasnain Zaghim 0026-MSFC-18
2020-2021 <i>Supervisor</i>	Design, Synthesis and spectral characterization of Some S-Substituted Derivatives of 5-(4-methoxyphenyl)-4-(4-nitrophenyl)-4H-1,2,4-triazole-3-thiol	845-MPhil-CHEM-19 Hafsa Mubeen
	Synthesis and spectroscopic studies of S-Substituted Alky/aryl derivatives of 1,2,4-triazole	827-MPhil-CHEM-19 Muhammad Nisar
2021-2022 <i>Supervisor</i>	Synthesis and spectral analysis of triazole derivatives containing <i>p</i> -anisic acid moiety	Maryam Irshad 0254-MPhil(M)-CHEM-20
	Synthesis and spectroscopic studies of heterocyclic molecules bearing phenylisothiocyanate ring	Ruqiya Siddique 0202-MPhil(M)-CHEM-20
	Design, Synthesis and spectral characterization of compounds covering 1,2,4-triazole nucleus	Usama Haidar Awan 0849-MPhil-CHEM-20
	Synthesis and spectral analysis of new molecules derived from substituted benzoic acid	Muhammad Younas 0244-MPhil(M)-CHEM-20
	Synthesis and spectroscopic studies of triazoles bearing substituted aromatic-isothiocyanate moiety	Muhammad Kaleem Mumtaz 0255-MPhil(M)-CHEM-20
2022-2023 <i>Supervisor</i>	Synthesis and characterization of Nitrogen containing heterocyclic molecules using spectral techniques	Sania Mazhar 0275-M.Phil-Chem-21
	Synthesis and spectral analysis of triazoles containing 4-methoxy benzoic acid	Rafia Maryam 0825-M.Phil-Chem-21
	Synthesis and structural evaluation of Novel alkyl halide molecules bearing substituted benzoic acid moiety	Muhammad Irfan 0284-M.Phil-Chem-21
	Design, Synthesis and structural confirmation of triazoles derivatives through spectroscopic techniques	Arfa Ashraf 0252-M.Phil-Chem-21

	Synthesis and spectroscopic studies of various triazoles molecules bearing phenyl isothiocyanate moiety	218-M.Phil(M)-Chem-21	
	Design, Synthesis and spectroscopic analysis of molecules containing azole ring	Sakina Khan 219-M.Phil(M)-Chem-21	
	Synthesis and spectral analysis of heterocyclic compounds formed by Base-Catalyzed Cyclization of para-substituted benzoic acid	Farwa Nawaz 0013-MSFC-21	
	Design, Synthesis and Structural Elucidation of heterocyclic molecules by utilizing various spectral techniques	Amna rahman 0014-MSFC-21	
	Design, Synthesis and characterization of heterocyclic compounds containing substituted aromatic acid	Hareem Ashraf 0019-MSFC-21	
2023-2024 <i>Supervisor</i>	Design, Synthesis and characterization of N-(4-methoxybenzoyl)-2,4,6-trimethylbenzenesulfonohydride by using various spectral techniques	Muneeba Mushtaq 0235-MPHIL-CHEM-22	
	Design, Synthesis and spectral analysis of 3,5-dichloro-2-hydroxy-N-(4-methoxybenzoyl)benzenesulfonohydrazide	Noman Naeem Bajwa 0211-MPHIL-CHEM-22	
2016-2017 <i>Supervisor</i>	Synthesis, Characterization and Biological Evaluation of 4-Chloro-N-(3,5-dimethylphenyl)benzenesulfonamide Derivatives	Muniba Javed 2013-MSPC-CHEM-17	MS Pharmaceutical Chemistry
2016-2017 <i>Supervisor</i>	Synthesis, structural elucidation and bioactivity of hydrazone derivatives bearing 1,3,4-oxadiazole moiety.	Sadaf Nasir 08-MSPC-2014	
2017-2018 <i>Supervisor</i>	Base-catalyzed cyclization of di-substituted phenylacetic acid	Aamir Rasool 846-MSc-CHEM-17	MSc
	Synthesis of 1,2,4-triazole-3-thiol using ethyl isothiocynate	Aqsa Rubab 349-MSc-CHEM-17	
	Synthesis and spectral characterization of S-substituted derivatives of 1,2,4-triazole	Ali Asghar 817-MSc-CHEM-17	
	Synthesis of S-alkyl triazoles derived from p-methoxybenzoic acid	Tasmiya Sardar 0832-MSc-18	
	Base-catalyzed cyclization of arylhydrazide into 1,3,4-oxadiazole moiety	Kainat Rasool 190-MSc-15	
	Base Initiated Ring Closure of Di Substituted Azole Moiety	Muhammad Rasheed 857- MSc-CHEM-18	
2019-2021 <i>Supervisor</i>	Synthesis and spectral analysis of 4-Nitrophenylisothiocyanate derivatives	0854-MSc-CHEM-19 Ayeza Abdul Rasheed	
	Synthesis of spectral elucidation of Novel compounds derived from substituted triazoles covering 4-methoxyphenyl core	0858-MSc-CHEM-19 Zahid Raza Baig	
	Design, Synthesis and spectral analysis of di-substituted aryl triazoles bearing benzoic acid nucleus	0860-MSc-CHEM-19 Seher Nasir	
	Base-Catalyzed Cyclization of p-methoxybenzoic acid with substituted phenylisothiocyanate	0879-MSc-CHEM-19 Hassan Raza	
2021-2023	Synthesis and spectral analysis of heterocyclic	Mahnoor Nadeem	

Supervisor	compounds bearing triazole ring	0835-MSc-CHEM-20	
	Synthesis and structural confirmation of azole molecules utilizing Ethyl Isothiocyante	Aliza Yaqoob 0817-MSc-CHEM-20	
	Design, Synthesis and spectroscopic studies of heterocyclic molecules containing triazole nucleus	Ramsha Arooj 0804-MSc-CHEM-20	
	Synthesis and characterization of nitrogen containing molecules covering substituted benzoic acid	Muhammad Zain Ul Abideen 0842-MSc-CHEM-20	
	Synthesis and spectroscopic studies of heterocyclic compounds bearing 1,2,4-triazole moiety	Imranullah 0843-MSc-CHEM-20	
PhD Supervisor	Synthesis and structure-activity relationship studies of 3,4,5-trisubstituted-1,2,4-triazole heterocyclic scaffolds derived from p-anisic acid	Muhammad Arfan 2016- PhD-CHEM- 23 Degree Awarded	PhD Chem
	Synthesis and structure-activity relationship studies of 3,4,5-trisubstituted-1,2,4-triazole heterocycles derived from p-chlorophenoxyacetic acid	Saima Ali 2015-PHD-CHEM-113 HEC Awardee Degree Awarded	
	Synopsis write up in process	Maria Ayub 2015-PHD-CHEM-114	
	Course Work and Comprehensive Completed, Synopsis in BOS	Faisal Shahzad 201-PhD-Chem-2017	
	Course Work and Comprehensive Completed, Synopsis in BOS	Aurangzeb 219-PhD-Chem-2018	
Teaching Experience	<i>Lecturer- Assistant Professor (TTS) Department of Chemistry GC University, Lahore</i>		
Aug 2007 – To Date	Supervision of research students and teaching of MS (Pharmaceutical), M. Phil, B.Sc. (Hons.) of Organic, Analytical, Biochemistry, MS Excel, Cost accounting, Radio analytical and Inorganic Chemistry and Intermediate classes. Conducting tutorial sessions on moral boosting and providing guidance to students in grasping the fundamentals and concepts of their subjects.		
Industrial Experience Jan 2005 (3 Months)	<i>Research and Development Officer -Pacific Pharmaceuticals, 30 Km Multan Road Lahore.</i>		
	Propping up of the research and development activities and synthesis of Calcium Phosphate bis-hydrate which acts as a binder in medicines and also checked the dissolution time of medicines in biological medium.		
Opportunities	<i>Selected as a Subject specialist Teacher in : 2006–2007</i> <ul style="list-style-type: none">• Garrison Girls Academy Cantt, Lahore.• Crescent Model High School, Lahore		
Projects	<i>M.Phil– Final Year Projects</i>		
	<ul style="list-style-type: none">• Factors affecting Flame atomic absorption and Emission spectra of inorganic elements.• Synthesis of Benzyl bromide.• Digestion of Organic materials by Nitric acid and Hydrogen peroxide		
Instrumentation	<ul style="list-style-type: none">• NMR spectrometers : Operation and Interpretation (Training from UPENN, USA) Bruker DRX 400 MHz NMR (uni400) Bruker DMX 360 MHz NMR (DMX360) Bruker DMX 300 MHz NMR (DMX300) Bruker AV-II 500 MHz NMR (AVII500B)		
	<ul style="list-style-type: none">• IR Spectrometer		

	<ul style="list-style-type: none"> • LABCONCO Lyophilizer 4.5 plus freeze zone (Training from UPENN, USA) • Solvent dispensing system-J. C. Meyer (Training from UPENN, USA) • Vacuum/ Nitrogen or argon manifold fume hood (Training from UPENN, USA) 	
	<ul style="list-style-type: none"> • Handling of Air sensitive materials • Flame Atomic Absorption Spectrophotometer: Operation • HPLC Diode Array (LC-20 AT with Diode Array Detector, Shimadzu, Japan): Operation (Basic level operation) • UV Spectrophotometer (different models): Operation • GCMS (Basic level operation) • Centrifuge, Shaking Incubator (New Brunswick), autoclave and Laminar flow Cabinet (Basic level operation) 	
Computer Expertise	<ul style="list-style-type: none"> • NMR Topspin software (Training from UPENN, USA) • Chem Sketch and Chem Draw software • Proficient in working with <i>Microsoft Office Applications</i> • Regular user of Scifinder and internet 	
Resource Person/ Program coordinator	<p>Resource person-Training Course for Faculty of Department of Chemistry, GC University Lahore on “<i>Academic Assessment in Higher Education</i>”</p> <ul style="list-style-type: none"> • Questions in Question Scripts in Higher Education • Marking scheme for answer scripts. <p>Program Coordinator-National workshop on “<i>Crystallography (Single crystal structure determination)</i>”</p>	<p>7th July 2010</p> <p>28th Sep2010.</p>
Training Courses	<p>NMR spectrometer training, University of Pennsylvania, PA-USA.</p> <p>Penn Profiler-Required Training Assessment-VPR (online course/curriculum), University of Pennsylvania, PA-USA.</p> <p>Management of Laboratory Waste – UNIV (online course/curriculum), University of Pennsylvania, PA-USA</p> <p>EHRs- Laboratory & biological safety training, Towne Building, University of Pennsylvania, PA-USA.</p> <p>“Spoken English” in Grade A from Computer College Pakistan Engineering Congress, Lahore.</p> <p>OIC standing Committee on Scientific and Technological Cooperation on “Technology Foresight” in COMSTECH, Islamabad.</p> <p>English Language Proficiency Skill (ELPS) course by Quality Enhancement Cell-GC University, Lahore on.</p> <p>“Statistical Techniques used in Chemistry” in Department of Chemistry, GC University Lahore</p>	<p>3rd - 17th Jan, 2011</p> <p>15th Nov, 2011</p> <p>18th Nov, 2011</p> <p>13th Jan, 2012</p> <p>7th July, 2010 to 28th Sep, 2010</p> <p>30th June, 2008 to 11th July, 2008</p> <p>2008</p> <p>27th June, 2008 to 28th June, 2008</p>
Seminars/ Workshops	<p>Attended Workshop on “Chemometrics: Chemical Data Handling tools” (theory and hands on practice) in Department of Chemistry Forman Christian College, Lahore-Pakistan.</p> <p>Attended Seminar on “Chromatographic Techniques & Sample Preparation” held by Agilent Technologies at Avari Hotel, Lahore.</p> <p>Attended National Workshop on “Management of Hospital Wastes and Allied Multiple Diseases” held by The Environ Monitor and Royal Society of Chemistry, UK in Lahore.</p> <p>Attended National Workshop on “Environmental Assessment of Development Projects” held by The Environ Monitor and International Development Consultants in Lahore.</p> <p>Attended National Conference on “Pakistan’s Marine Resources: Present Scenario & Futuristic Potential” held by The Environ Monitor and International Development Consultants in Lahore.</p> <p>Attended and Delivered Lecture in I International Conference on</p>	<p>16th – 17th Oct, 2014</p> <p>23rd Jan, 2014</p> <p>10th May, 2014</p> <p>8th Feb, 2014</p> <p>15th March, 2014</p> <p>25-27th Aug, 2013</p>

“Drug-Development – Natural and Synthetic” held on at COMSATS Institute of Information Technology, Abbottabad, Pakistan.	
Attended Chemistry Conference “Chemical Trends 2013” held on LUMS, Pakistan.	27 th Sep, 2013
Dr. Christopher Arabi, MIT- “ Nanoparticles and innovation”	1 st Nov, 2011
Dr. Mark Scialdone, DuPont- “ Better Chemistry”	7 Nov, 2011
Prof. Robert flowers, Lehigh University- “Give or take electron-Mechanistic studies of single electron transfer in important synthetic reactions”	14 th Nov, 2011
Prof. Jimmy Wu, Dartmouth- “ Exploring chemistry of sulfur”	21 st Nov, 2011
Dr. Pat Confalone, Dupont- “Topics from discovery and process chemistry in pharmaceutical and agricultural research and development”	5 th Dec, 2011
Prof. Norito Takenaka, University of Miami- “Assymetric catalysis with helical-chiral pyridine”	23 rd Jan, 2012
The 2012 distinguished Alumini Award Ei-ichi Negishi (Purdue University) “Magical powers of <i>d</i> -block transition metals-Pd catalyzed cross-coupling and Zr-catalyzed asymmetric carboalumination of alkenes (ZACA)” Prof. J. E. Backvall, Arrhenius Lab. Stockholm University “Biommetic catalysis in green organic transformations” Ben Feringa, University of Groningen “Exploring chiral space in asymmetric catalysis” Gregory Fu, Massachusetts Institute of Technology “Palladium and Nickel-catalyzed cross-coupling reactions of alkyl electrophiles” Alois-Furstner-Max-Plank-Instut for Kohlenforscng “Catalytic pi-bond activation-Concepts and applications”	30 th Jan, 2012
Madeleine Joullie Lecture-Tim swager-MIT “Polycyclic aromatics for use as high performance electronic materials”	6 th Feb, 2012
Dr. Fred Sharifi, NIST “Nanostructure and disruptive technologies”	13 th Feb, 2012
Prof. Peter Zhang, University of South Florida “Metalloradical catalysis for stereoselective C-H amination”	14 th Feb, 2012
Prof. Michael Duncan, University of Georgia “Infrared spectroscopy of cold ions and their clusters: Inorganic and organic chemistry in gas phase”	16 th Feb, 2012
Prof. Nathan Leudtke, University of Zurich “Probing the limits of DNA Chemical Biology”	17 th Feb, 2012
Prof. Philips Parson, Imperial College, UK “Application of furan chemistry in synthesis”	20 th Feb, 2012
Professor Kendall Houk, UCLA, Bristol Myers Squibb Dr. Joel C. Barish “Vignettes in Kinase Inhibitor Drug Discovery: Evolution of a drug target class” Kendall N. Houk “Dynamics, Mechanisms and Theory of Cycloaddition”	28 th Feb, 2012
Dr. Ryan Looper, University of UTAH “Propargylguanidine hydroaminations and their application to important heterocyclic scaffolds”	5 th March, 2012
Professor Hubert Yin, University of Colorado “Drugging the Undruggable”	12 th March, 2012
Professor Weiping Tang, University of Wisconsin, Madison “Design and Development of New Reactions Driven by the pi-Acidity of Rhodium (I) Catalyst”	19 th March, 2012
Professor Krishna Kumar, Tufts University	2 April, 2012

	“A New Paradigm for Molecular Design and Engineering”	
	Novartis Lectures Professor Dean Toste, UC Berkeley <i>“Concepts and Catalysts for Enantioselective Reactions of Carbon-Carbon Multiple Bond”</i> <i>Frederic Zecri, Novartis Institutes for Biomedical Research</i> <i>“Novel Potent and Selective SIP-1 Receptor Modulators for the Treatment of Multiple Sclerosis as Potential Back-up to GilenyaTM”</i>	3 rd April, 2012
	Professor Guigen Li, Texas Tech University “Can Organic Synthesis Avoid Traditional Purification of Using Chromatography and Recrystallization?”	9 th April, 2012
	Professor Steve Martin, UT, Austin “Recent Advances in the Synthesis of Complex Heterocyclic Natural Products”	13 th April, 2012
	“International Workshop on Crystallography & Nanomaterials” and “1st Meeting of Pakistan Association of Crystallography” under the celebration of International Year of Chemistry” at Department of Chemistry, GC University Lahore.	19 Oct, 2011 to 21 st Oct, 2011
	Participant and Presenter in “Inter-universities Poster Competition under the celebration of International Year of Chemistry” at Department of Chemistry, GC University Lahore.	12 th Sep, 2011
	“Two Days Workshop on Crystallography under the celebration of International Year of Chemistry” at Department of Chemistry, GC University Lahore.	6 June, 2011 to 7 June, 2011
	Professor Erin Carlson, Indiana University “Chemical Probes to Explore Bacterial Development and Pathogenesis”	16 th April, 2012
	Participant and Presenter in “Inter-universities Poster Competition” at Department of Chemistry, GC University Lahore.	12 th Jan, 2011
	“12 International Symposium on Natural Product Chemistry” at HEJ (ICCB), University of Karachi.	22 Nov, 2010 to 25 Nov, 2010
	“Certificate of participation” in Chemistry Week celebrated as the closing ceremony of International Year of Chemistry at Department of Chemistry, GC University Lahore.	2011-2012
	International Seminar on “New Trends in Chemistry” Lahore College for Women University, Lahore.	14-15 th Jan, 2010
	Attended and Delivered Lecture in the International Seminar/Workshop on “Preservation and Enhancement of Biodiversity: Application of Tree Rings in Pakistan” held at GC University, Lahore.	5-7 th October, 2009
	“International Conference on Role of Chemistry for Environmental Preservation (RCEP)” , Lahore.	14 th June, 2008
	2nd meeting of “Nobel Laureates with Pakistani Students/Young Scholars” at PINSTECH, Islamabad.	27 March, 2007 to 28 th March, 2007
	“Impact of the WTO on services sector with focus on Engineering and Allied industries”	24 th Nov, 2007
	1st meeting of “Nobel Laureates with Pakistani Students/Young Scholars” at PINSTECH, Islamabad.	27 March, 2007 to 28 th March, 2007
	Chaired the University-Industry Linkage session at International Chemistry Conference for the promotion of University-Industry Linkage organized by Department of Chemistry GC University, Lahore-Pakistan	24 th Jan to 26 th Jan 2018
	Convener “Printing and Publication Committee” in International Chemistry Conference for the promotion of University-Industry Linkage organized by Department of Chemistry GC University, Lahore-Pakistan	24 th Jan to 26 th Jan 2018

	Resource person for Training of CHEM DRAW software at Inter-University training program organized by Department of Chemistry GC University, Lahore-Pakistan	2018
	Participated in "National Workshop on environmental assessment, procedures, methodologies and legislations" organized by The Enviro Monitor, Lahore-Pakistan	13 th Jan 2018
	2 days' workshop on COMPUTATIONAL TOOLS FOR DRUG DESIGN & DISCOVERY, Department of Chemistry & ACS Punjab in partnership with Office of Research, Innovation & Commercialization (ORIC), FCCU	17-18 th Oct 2023
	Participated in one-day international symposium on International Symposium on Hybrid Materials for Energy Conversion and Storage organized by the Functional Materials Research Group, Department of Chemistry, Government College University, Lahore	16th February 2023
Posters	Poster Presentation (ORG-P-4) on "Phytochemical investigation and antioxidant activities of some species of Ebenaceae family" in 1 st International CSP conference held at Institute of Chemistry University of Punjab, Lahore-Pakistan.	21 st Oct, 2014
	Poster Presentation (ANA-P-26) on "Chemical profile and pharmacological investigation of essential oils from five Citrus species" in 1 st International CSP conference held at Institute of Chemistry University of Punjab, Lahore-Pakistan.	21 st Oct, 2014
	Attended and presented poster in one day Chemistry Conference "Chemical Trends 2013" held on LUMS, Pakistan.	27 th Sep, 2013
	Poster Presentation (KSD-12) and Abstract on "Synthesis, Characterization and Biological Activities of S-substituted 5-benzyl-1,3,4-oxadiazole-2-thiol derivatives" Published in the "12th International Symposium on Natural Product Chemistry" held at COMSATS institute of Information Technology, Abbottabad-Pakistan.	25 Aug, 2013 to 27 Aug, 2013
	Poster Presentation (P-110) and Abstract on "Olea ferruginea: A Potential Natural Source to Protect from Oxidative Stress" Published in the "12th International Symposium on Natural Product Chemistry" held at HEJ Research Institute, University of Karachi.	22 Nov, 2010 to 25 Nov, 2010
Abstracts	"Essential Oils and Latex as Novel Antiviral Agents against Potato Leaf Roll Virus (PLRV)". In Abstracts book; 13th International Symposium on Natural Product Chemistry , H.E.J Research Institute Of Chemistry, International Centre For Chemical And Biological Sciences, University of Karachi, Pakistan: (201).	22 Sep, 2012 to 25 Sep, 2012
	"Large Scale Extraction of Essential oil from Citrus Peel Waste in Food Protection and Medicine: GC-MS Analysis of Citrus Essential Oils". In Abstracts book; 13th International Symposium on Natural Product Chemistry , H.E.J Research Institute Of Chemistry, International Centre For Chemical And Biological Sciences, University of Karachi, Pakistan: (115).	22 Sep, 2012 to 25 Sep, 2012
Articles	"Cross couplings" in Scientific Ravi GC University, Lahore.	2013
	"Herbs and Spices" in Scientific Ravi GC University, Lahore.	2010
	"Radioactive Wastes" in Scientific Ravi GC University, Lahore.	2004
Oral Talk	1. Oral Talk on "Synthesis and in vitro pharmacological evaluation, molecular docking and cytotoxic studies of N-substituted-5-(4-methoxyphenyl)-1,3,4-oxadiazole-2-yl-2-sulfanylacetamides" in 1st International CSP conference held at Institute of Chemistry University of Punjab, Lahore-Pakistan.	21 st Oct 2014
	2. Oral Talk on "Synthesis, Characterization and Biological	25 th Aug, 2013 to 27 th

	<p>Activities of S-substituted 5-benzyl-1,3,4-oxadiazole-2-thiol derivatives” Published in the “12th International Symposium on Natural Product Chemistry” held at COMSATS institute of Information Technology, Abbottabad-Pakistan.</p> <p>3. Oral Talk on "synthesis and bioactivity of heterocycles" organized by Department of Chemistry and Department of Pharmacy "3-Day international conference" held at Forman Christian College, Lahore-Pakistan</p> <p>4. Resource person for CHEM DRAW training inter-universities (Lahore)</p> <p>5. 2nd International Conference on recent advances in Chemical Sciences held at Department of Chemistry GC University, Lahore</p> <p>6. Oral Talk in 3rd International Conference of Chemical and Pharmaceutical sciences: New trends in Medicinal and Pharmaceutical Chemistry held at Forman Christian College, Lahore-Pakistan</p> <p>7. IUPAC Global Women Breakfast Invited Talk ; Online Panelist and Invited lecture on Women Empowerment</p> <p>8. 19th International and 31st National Chemistry Conference on emerging trends in Chemistry 2021 University of Management Sciences; Title : S-Aralkylated 5-(4-methoxyphenyl)-4-phenyl-4H-1,2,4-triazole-3-thiols: As suitable Alzheimer's disease drug candidates</p> <p>9. 21st International, 1st Inter-Islamic, & 33rd National Chemistry Conference on Chemical Sciences: Technology, Innovation & Sustainability. Synthetic triazole-based scaffolds: As potential anti-cholinesterase agents for neurodegenerative diseases & also Technical Session-IV Organic (Room 52) Chair: Dr. Monazza Serwar Co-chair: Dr. Sabahat Zahra Siddiqui and abstract in abstract book of conference Quaid-i-Azam University, Islamabad.</p>	<p>Aug, 2013</p> <p>17th- 19th Jan, 2018</p> <p>2018</p> <p>20nd-22nd March, 2019</p> <p>January 29th-31st 2020</p> <p>3rd March 2021</p> <p>16-18th Dec 2021 Abstract book published No. 156</p> <p>23-25 October, 2023</p>
Academic Honors	Split PhD Scholarship for University of Pennsylvania, USA under “International Research Support Initiative Program” (19 th Meeting for Split PhD- PIN: IRSIP 19 Ps 10) by Higher Education Commission, Pakistan.	<p>Aug, 2013</p> <p>April, 2012</p>
	Certificate of Excellence/Shield from the Department of Chemistry GC University, Lahore for providing services as B.Sc coordinator and Co-Advisor, Ravian forensic society GC University, Lahore.	2014
	Acknowledgement of Services/Shield from the Department of Chemistry GC University, Lahore for providing services as B.Sc coordinator, IRSIP Scholar (PhD) and Co-Advisor, Ravian forensic society GC University, Lahore.	2013
	Qualified NTS Subject Test- Chemistry on with accumulative 67 score and 80.01 percentile.	11 th Oct, 2010
	Merit certificate for 5 th Position in M.Phil Chemistry at Institute of Chemistry, Punjab University, Lahore	16 th Dec, 2009
	Academic certificate of Merit for securing 3 rd Position in M.Sc Chemistry at GC University, Lahore.	2004
	Academic Roll of Honor in Graduate Study at Lahore College for Women University, Lahore.	2002
	Awarded Grade A in the subject of Vocational Education by Sacred Heart Cathedral High School, Lahore	1998
	Letter of Appreciation from the Department of Chemistry GC University, Lahore on conducting effectively “Inter Universities	12 th Sep, 2011

	Poster Competition”.	
	Certificate of Merit from the Department of Chemistry GC University, Lahore for “Outstanding Contribution in Departmental Development”.	2010-2011
	Acknowledgement of Services to the Department of Chemistry GC University, Lahore for providing services in maintaining “Quality Assurance in the Department”.	14 th July, 2009
	Letter of Appreciation from the Department of Chemistry GC University, Lahore on conducting effectively the National workshop on “Crystallography: single crystal structure determination”.	25 th Aug, 2008 to 26 th Aug, 2008
Membership	<ol style="list-style-type: none"> 1. Life Member-Chemical Society of Pakistan. 2. IUPAC Affiliate 2017 3. Ex Co-Advisor-Dunncliff Chemical Society (2008-2011) GC University, Lahore. 4. Co-Advisor-Ravian Forensic Society (2012-till date) GC University, Lahore 	
HEC	HEC Approved Supervisor since 2015	
Affiliated Institute Examiner/ Thesis evaluator	<p>Gabriel College Mandi Bhauddin/NICAAS College/PRFU College</p> <p>Paper Setter</p> <ol style="list-style-type: none"> 1. CHEM-2201 Theory Paper Setter of Final Examinations of BS (H) 2020 NICAAS College Rahim Yar Khan affiliated with GCU Lahore 2. CHEM-2101 Organic Chemistry Paper Affiliated Institute 2018 3. Paper Setter for Semester-II Final Examination 2021, CHEM-1101 Biochemistry-I for Lahore Medical and Dental College and Ruth PRAFU college of life sciences; Dated: 21-06-2021 4. Marking of Answer Scripts for Semester-II Final Examination 2021, CHEM-1101 Biochemistry-I for Lahore Medical and Dental College and Ruth PRAFU college of life sciences; Dated: 18-10-2021 5. External Examiner for Semester-II Final Examination 2021, CHEM-1101P Biochemistry-I (Practical) for Ruth PRAFU college of life sciences 6. Paper Setter for Semester-V Final Examination 2021, CHEM-2201 Organic chemistry-II for Affiliated Institutions; Dated 02-12-2021 7. Marking of Answer Scripts for Semester-VI Final Examination 2021, CHEM-2202 Organic chemistry for Affiliated Institutions; Dated 10-02-2021 8. Marking of Answer Scripts for Semester-VI Final Examination 2021, CHEM-2202 Organic chemistry for Affiliated Institutions; Dated 02-12-2021 9. External Examiner for Semester-V Final Examination 2021, CHEM-2201P Organic Chemistry (Practical) for NICAAS college; Dated 22-02-2021 10. Paper Setter for Semester-VI Final Examination 2021, CHEM-3103 Organic chemistry-III for Affiliated Institutions; Dated 17-05-2021 11. Marking of Answer Scripts for Semester-VI Final Examination 2021, CHEM-3103 Organic Chemistry-III for Affiliated Institutions; Dated 14-06-2021 12. External Examiner for Semester-VI Final Examination 2021, CHEM-3103P Organic Chemistry-III (Practical) for NICAAS college; Dated 24-06-2021 13. Faculty F.Sc recruitment paper setter, examiner and interviewer as Subject specialist Department of Chemistry GCU, Lahore <p>Viva examiner</p> <ol style="list-style-type: none"> 1. LCWU; Lahore College of Women University 2. Islamia College Cooper Road -Lahore 3. Forman Christian College 4. Minhaj University 5. University of Education-Township 6. Samanabad College 7. Evaluation of thesis for BS (H) of Affiliated Colleges Queen Mary College, Lahore on 11th Jan 2021 at 10:00 AM; Roll No. 17667 Roll No. 17693 8. Evaluation of thesis for BS(H) of Govt. Graduate College for Women Gulberg, Lahore on 16-08-2021 	

Invigilation/External Examiner/University duties	<ol style="list-style-type: none"> 1. Member of committee of verification of documents of BS (Hons.) 2. Member of Departmental Purchase committees of (Department of Chemistry/SDSC; Sustainable Development Study Center) 3. Member of Board of Faculty GC University, Lahore 4. Viva examiner of LCWU; Lahore College of Women University, Samanabad College Lahore, Queen Mary College, Lahore, Government Islamia College, Lahore and UET University of Engineering & Technology, Lahore 5. External Examiner paper making & marking/Syllabus counselor for Affiliated Institutes of GCU 6. Dean's Science & Technology's Representative for Campus Management System 7. Women Conference convener at Falettie's Hotel
As Reviewer	<ol style="list-style-type: none"> 1. Journal Of Heterocyclic Chemistry 2. Annals of Medicine and Medical Research; 6th July 2019 3. Archives of Medical Research; 8th Jan 2020 4. Archiv der Pharmazie; 19th July 2019 5. Reviewed of Biomedicine & Pharmacotherapy Elsevier; (9th, 24th & 30th July 2019) 20th March 2018 6. Reviewed of Bioorganic; (13th Feb 2020 19-20th July 2019) 7. Biomedicine & Pharmacotherapy Elsevier Reviewer; 2nd April & 7th May 2018 15th June 2019 8. Carbohydrate polymer Elsevier; 5th Jun 2018 9. Chiang Mai Journal of Sciences; 17th July 2019 10. Journal of The Chilean Chemical Society; 17th March 2016 11. Journal of Chemical Society of Pakistan; 27th July 2018 12. Composite communications; 19th April 2018 13. Heliyon; 28th Jan 2020 14. Journal of Enzyme Inhibition and Medicinal chemistry; 14th June 2019 15. Journal of Molecular Graphics and Modeling; 3rd Sep 2020 16. Materials Today Proceedings; 7th Sep 2020 17. Nano structures and Nano Objects; 23rd Apr 2020 18. Elsevier; 25th Jun 2018 19. Saudi Pharmaceutical Journal ; 4th Dec 2019 20. Sustainable Chemistry and Pharmacy; 9th Oct 2019 21. SNAPP (Springer Nature); 2021 22. J of Molecular Structure; 2021 23. Inorganic Chemistry Communications; 2021 24. Phosphorous, Sulfur, Silicon and related elements 2023 25. The journal of biological and chemical luminescence 2023
Extracurricular activities	<ul style="list-style-type: none"> • 1st Poster Session conducted by Dunnicliff Chemical Society of GC University on 12th January 2011. • 2nd Position in Poster Session - <i>International Workshop on Crystallography and Nanomaterials</i> conducted by Department of Chemistry GC University on 19th – 21st October 2011. • Certificate of Participation in <i>International Workshop on Crystallography and Nanomaterials</i> conducted by Department of Chemistry GC University on 19th – 21st October 2011. • Certificate of Participation & Poster Presentation in <i>Inter Universities Poster Competition under the Celebration of IYC</i> conducted by Department of Chemistry GC University on 12th September 2011. • Certificate of Merit Awarded by Dunnicliff Chemical Society of GC University on 27-04-2004. • Certificate of Merit Awarded by Dunnicliff Chemical Society of GC University on 27-04-2004. • 1st position in <i>Quiz Competition</i> conducted by Biological Society of GC University on 26th April 2003. • 1st position in <i>Poetry Competition</i> awarded by Government Jinnah Degree College, Lahore. • Certificate in <i>Relay Race</i> at Sacred Heart Cathedral High School, 1998. • Certificate in <i>English Debates</i> at Sacred Heart Cathedral High School, 1998. • Certificate in <i>Bazm-e-Adab</i> at Sacred Heart Cathedral High School, 1998.

	<ul style="list-style-type: none"> • Certificate in <i>Dramatics</i> at Sacred Heart Cathedral High School, 1998. • Certificate in <i>Dramatics</i> at Sacred Heart Cathedral High School, 1997. • Certificate in <i>creative writing (Urdu Poetry)</i> at Sacred Heart Cathedral High School, 1997. • Certificate in <i>Speech Competition</i> at Sacred Heart Cathedral High School, 1996.
	<ul style="list-style-type: none"> • Certificate in <i>Dramatics</i> at Sacred Heart Cathedral High School, 1996. • Certificate of Participation in <i>Inter Departmental</i>
Administrative experience	<ol style="list-style-type: none"> 10. B.Sc Coordinator: (2012 – till date) Serving to arranging the examinations of various classes and assuring smooth and quality education. 11. Member of Technical Committee: (18-08-2008 – till date) serving as member of technical committee for assurance of the quality of various chemicals, glass ware and equipments purchased for the department. 12. Member Board of Faculty: Ravian Forensic society: (03-05-2010 till 28-10-2011) serving as co-advisor for the empowerment of the forensic science and society works for arranging annual functions, educational tours and invited lectures. 13. Staff Secretary: (03-05-2010- till date) serving as staff secretary for the better coordination of the staff members of the department. 14. Tutor: (29-08-2007 - till date) as Tutor No. 45/30, for guidance and moral improvement of the students. 15. Departmental In charge Computer & Accessories: (03-05-2010 till date) serving as departmental in charge computer & accessories to facilitate the departmental activities. 16. Coordinator Intermediate Program: (03-05-2010 till 28-10-2011) as a coordinator, for making the Program successful and ensure its running in a smooth way. 17. Member of Departmental Quality Assurance Committee: (18-08-2008 till 28-10-2011) serving as a member for maintenance of quality and course outlines of the courses which the department offers. 18. Co-Advisor Dunnicliff Chemical society: (03-05-2010 till 28-10-2011) serving as co-advisor of Dunnicliff Chemical Society, Department of Chemistry for the betterment of the society for arranging annual functions, educational tours and invited lectures. 19. Stage secretary of organizing committee: (03-05-2010 till 28-10-2011) serving as secretary on invited lectures and workshops. 20. In-charge Organopharmaceutical Lab and UV-Spectrophotometer: (2007-till 28- 10-2011) 21. Member of Board of Studies in Chemistry: (06-05-2010 till 28-10-2011) Serving as member of Board of Studies in Chemistry for meeting about evaluation and approval of B.Sc/ MS/PhD thesis and research topics, curriculum design and launching of academic Programs 22. Campus Management system working team (2018-2019) 23. Team member faculty evaluation team under guidance of QEC: (18-08-2008 till date) 24. PAT (Program Assessment Team Leader) Department of Chemistry GCU, Lahore 25. Self-Assessment Report (Team Member) Department of Chemistry GCU, Lahore 26. MSc (Entry Test) Conduction duty Department of Chemistry GCU, Lahore 27. Annual Stock Checking Duty (Material Chemistry Lab and Breakage Register of all Labs of Department of Chemistry GCU, Lahore 28. Entry Test interviews Fsc Pre-Medical and Engineering and also Kinship interviews FSc /GAT Tests papers marking and invigilation duties 29. Examination invigilation duty 30. Member Technical Committee Scientific Ravi, GCU Lahore
Faculty Development	<ol style="list-style-type: none"> 1. “Developed Curriculum of Analytical Chemistry” at GC University, Lahore B.Sc (Hons) on 3rd Aug 2012. 2. “Arranged Curriculum for B.Sc. (Hons.) Chemistry complete-HEC guidelines” at GC University. 3. “Certified Master Trainer”-19th Mater Trainer Faculty Professional Development Program by Learning Innovation division, Higher Education Commission-Islamabad held on 6th Sep 2012 to 24th Oct 2012.

<p>RESEARCH PROJECTS: 2015-2018</p> <p>PKR: 525,306/-</p> <p>Collaboration</p>	<p>Synthesis, characterization and Pharmacological evaluation of 2-{5-[(4-chlorophenoxy)methyl]-4-un/substitutedphenyl-4H-1,2,4-triazole-3-ylthio}alkanamides</p> <p>603/ORIC/15; 22-10-15, GC University, Lahore.</p> <p>Collaboration with Universiti Teknologi MARA, Malaysia for spectral facilitation</p>
<p>Courses studied</p>	<ul style="list-style-type: none"> • Modern Organic Synthesis • Gene Technology • Supramolecular & Nanochemistry • Chemistry of Natural Products • Proteomics • Quality Assurance
	<ul style="list-style-type: none"> • Analytical Chemistry • Inorganic Chemistry • Biochemistry • Physical Chemistry • Industrial Process & Quality Control
<p>Scholarship</p> <p>(1st Nov'11 till 30th April'12)</p>	<p>International research support initiative program (IRSIP)-Higher Education Commission of Pakistan for University of Pennsylvania-USA "UPENN" for 6 months.</p>
<p>Project UPENN, USA</p>	<p>Scale up studies for the synthesis of "Boron trifluoroborates" for "Organic syntheses"</p>
<p>Books</p>	<p>1 Sabahat Zahra Siddiqui and T. Muhmood, "Benzotriazoles and Benzimidazoles: Synthesis, characterization and antimicrobial activity of benzotriazoles, benzimidazoles and their derivatives". LAP LAMBERT Academic Publishing GmbH & Co. KG., Heinrich-Bocking-Str. 6-8, 66121, Saarbrucken, Germany. pp. 1-101 (2012). ISBN: 978-3-659-19094-0.</p> <p>2. Muhammad Athar Abbasi and Sabahat Zahra Siddiqui, "Synthetic 5-substituted-1,3,4-oxadiazole-2-thiols derivatives as viable therapeutic entrants for Alzheimer's Disease". LAP LAMBERT Academic Publishing GmbH & Co. KG., Heinrich-Bocking-Str. 6-8, 66121, Saarbrucken, Germany. pp. 1-85 (2014). ISBN: 978-3-659-59528-8.</p> <p>3. Muhammad Athar Abbasi and Sabahat Zahra Siddiqui, "1-Amino-2-phenylethane derived sulfonamides as possible candidates for Alzheimer's Disease" LAP LAMBERT Academic Publishing GmbH & Co. KG., Heinrich-Bocking-Str. 6-8, 66121, Saarbrucken, Germany. (2014) ISBN: 978-3-659-63658-5.</p> <p>4. Muhammad Athar Abbasi and Sabahat Zahra Siddiqui, "Sulfonated derivatives of 2,4-Xylidine: Possible therapeutic agents" LAP LAMBERT Academic Publishing GmbH & Co. KG., Heinrich-Bocking-Str. 6-8, 66121, Saarbrucken, Germany. (2014) ISBN: 978-3-659-63658-5.</p> <p>5. Sabahat Zahra Siddiqui and Maryam Shafique "Synthesis and spectral characterization of N-substituted sulfonamides derived from 4-Chlorobenzenesulfonyl Chloride" LAP LAMBERT Academic Publishing GmbH & Co. KG., Heinrich-Bocking-Str. 6-8, 66121, Saarbrucken, Germany. (2014) ISBN: 978-3-659-63999-9.</p> <p>6. Sabahat Zahra Siddiqui and Maryam Shafique "N-substituted sulfamoylacetamides derived from 4-acetamidobenzenesulfonyl chloride as Chymotrypsin Inhibitors" LAP LAMBERT Academic Publishing GmbH & Co. KG., Heinrich-Bocking-Str. 6-8, 66121, Saarbrucken, Germany. (2014) ISBN: 978-3-659-64891-5.</p>

Travel

- USA (Study- Split PhD IRSIP Program, HEC) for 6 Months to University of Pennsylvania, Philadelphia-USA.
- India (Travel visit) Several times
- Saudi Arabia
- Dubai

References:	Dr. M. Athar Abbasi (PhD Advisor/Associate Professor)	Department of Chemistry, GC University, Lahore-54000 Pakistan Cell: +92-333-4896380 , Tel. Off: +92-42- 111000010 Ext. 449 E-mail: atrabbasi@yahoo.com
	Dr. Aziz-ur-Rehman (Associate Professor)	Department of Chemistry , GC University, Lahore-54000 Pakistan Cell: +92-300-2697982, Tel. Off: +92-42- 111000010 Ext. 449 E-mail: azizryk@hotmail.com
	Gary A. Molander (Hirschmann-Makineni (Chair, Professor of Organic Chemistry)	Department of Chemistry, University of Pennsylvania, USA Office: 4001 IAST Phone: (215) 573-8604 Fax: (215) 573-7165 Email: gmolandr@sas.upenn.edu

Publications

- 1- **S.Z. Siddiqui**, Usama Waqas, Mehmant Akkurt, Aziz-ur-Rehman and Isalm Ullah Khan., 2- Amino-1,3-benzothiazol-3-ium dihydrogen phosphate., *Acta Cryst. E* 66, o1929 (2010). **0.351 (2010)**
- 2- M.A. Abbasi, S.H. Ali, M. Ashfaq, Aziz-ur-Rehman, M.Z. Qureshi, **S.Z. Siddiqui** and V.U. Ahmad. 2,7-Dichlorofluorescein: A suitable complexing agent for the spectrophotometric determination of ofloxacin in pure and pharmaceutical dosage forms. *J. Chem. Soc. Pak.* 32(2), 172-175 (2010). **0.393**
- 3- M.A. Abbasi, A. Kausar, Aziz-ur-Rehman, H. Saleem, Sadia, M. Jahangir, **S.Z. Siddiqui** and V.U. Ahmad. Preparation of new formulations of anti-acne creams and their efficacy. *Afr. J. Pharm. Pharmacol.* 4(6), 298-303 (2010).
- 4- M.A. Abbasi, A. Raza, T. Riaz, T. Shahzadi, Aziz-ur-Rehman, M. Jahangir, D. Shahwar, **S.Z. Siddiqui**, A.R. Chaudhary and N. Ahmad. Investigation on the volatile constituents of *Juglans regia* and their *in vitro* antioxidant potential. *Proc. Pakistan Acad. Sci.* 47(3), 137-141 (2010).
- 5- M.A. Abbasi, A. Zafar, T. Riaz, Aziz-ur-Rehman, S. Arshad, D. Shahwar, M. Jahangir, **S.Z. Siddiqui**, T. Shahzadi, and M. Ajaib. Evaluation of comparative antioxidant potential of aqueous and organic fractions of *Ipomoea carnea*. *J. Med. Plants Res.* 4(18), 1883-1887 (2010).
- 6- M.A. Abbasi, T. Riaz, E. Anwar, Aziz-ur-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. *Biosci. Res.* 7(1), 56-62 (2010).
- 7- M.A. Abbasi, Sadia, M. Jahangir, **S.Z. Siddiqui**, A. Kausar, H. Saleem, M. Ajaib and V.U. Ahmad. Preparation of new formulations of balm as a remedy of flu and their efficacy. *Hamdard Medicus* 53(4), 106-109 (2010).
- 8- M.A. Abbasi, A. Aslam, T. Riaz, Aziz-ur-Rehman, T. Shahzadi, **S.Z. Siddiqui**, M. Irshad and M. Ajaib. Investigation on the comparative antioxidant potential of various fractions of *Vitex negundo* of Pakistani origin. *Biosci. Res.* 8(1), 01-07 (2011).
- 9- M.A. Abbasi, S. Arshad, T. Riaz, Aziz-ur-Rehman, A. Zafar, **S.Z. Siddiqui**, T. Shahzadi, and M. Ajaib. *In vitro* assessment of relief to oxidative injury by different samples of *Xanthoxylum armatum*. *Asian J. Chem.* 23(8), 3353-3356 (2011). **0.14**
- 10- T. Shahzadi, M.A. Abbasi, T. Riaz, Aziz-ur-Rehman, **S.Z. Siddiqui** and M. Ajaib. *Caryopteris odorata*: A Rich Source of antioxidants for protection against chronic diseases and food products. *J. Chil. Chem. Soc.* 56(2), 678-681 (2011). **0.463**
- 11- M.A. Abbasi, A. Kausar, Aziz-ur-Rehman, M.I. Umar, **S.Z. Siddiqui** and V.U. Ahmad. Preparation of new formulations of perfumes and their persistency. *Hamdard Medicus* 54(2), 78-81 (2011).
- 12- **S.Z. Siddiqui**, M.A. Abbasi, Aziz-ur-Rehman, T. Riaz, T. Shahzadi, M. Ajaib and K.M. Khan. *Olea ferruginea*: A potential natural source of protection from oxidative stress. *J. Med. Plants Res.* 5(17), 4080-4086 (2011).
- 13- T. Riaz, M.A. Abbasi, T. Shahzadi, Aziz-ur-Rehman, **S.Z. Siddiqui** and M. Ajaib. *Colebrookia oppositifolia*: A valuable source of natural antioxidants. *J. Med. Plants Res.* 5(17), 4180-4187 (2011).
- 14- M.A. Abbasi, K. Nazir, T. Shahzadi, T. Riaz, Aziz-ur-Rehman, **S.Z. Siddiqui** and M. Ajaib., *Acrachne racemosa*: a

potent source for natural antioxidants., *Asian J. Phram. Bio. Res.* 1(3), 376-383 (2011).

- 15- Aziz-ur-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 *Artemisia incisa* Pamp. *J. Serb. Chem. Soc.* 76(10), 1379-1386 (2011). **0.917**
- 16- T. Riaz, M.A. Abbasi, Aziz-ur-Rehman, T. Shahzadi, **S.Z. Siddiqui**, H. Khalid, and M. Ajaib. *In vitro* assessment of fortification from oxidative stress by various fractions of *Rhynchosia pseudo-cajan*. *J. Med. Plants Res.* 5(30), 6597-6603 (2011).
- 17- Aziz-ur-Rehman, A. Abbas, T. Riaz, S. Ahmad, Shahzaman, M.A. Abbasi, **S.Z. Siddiqui** and M. Ajaib. *Ipomoea hederacea*: An imperative source for natural antioxidants. *Asian J. Phram. Bio. Res.* 1(4), 534-541 (2011).
- 18- Gary A. Molander, **S.Z. Siddiqui**, and Nicolas Fleury-Brégeot; Synthesis of 1-Naphthol via Oxidation of 1-Potassium 1-Naphthyltrifluoroborate. *Org. Synth.* 2012, 90, 153-163.
- 19- Aziz-ur-Rehman, **S.Z. Siddiqui**, M.A. Abbasi, N. Abbas, K.M. Khan, M. Shahid, Y. Mahmood, M.N. Akhtar, and N.H. Lajis. Synthesis, antibacterial screening and hemolytic activity of *S*-substituted derivatives of 5-Benzyl-1,3,4-oxadiazole-2-thiol. *Int. J. Pharm. Phram. Sci.* 4(2), 676-680 (2012).
- 20- Aziz-ur-Rehman, S. Ahmad, T. Riaz, A. Abbas, M.A. Abbasi, **S.Z. Siddiqui** and M. Ajaib. *Martynia annua*: Comparative antioxidant potential of its stem and leaves. *Asian J. Chem.* 24(8), 3335-3338 (2012). **0.14**
- 21- A. Fatima, Aziz-ur-Rehman, T. Riaz, N. Abbas, M.A. Abbasi, **S.Z. Siddiqui** and Zaheer-ud-Din Khan. *Cassia surattensis*: An indispensable source for natural antioxidants. *Asian J. Chem.* 24(10), 4340-4344 (2012). **0.14**
- 22- I. Hafeez, Aziz-ur-Rehman, I. Mariam, T. Riaz, M.A. Abbasi, **S.Z. Siddiqui**, M. Ajaib and I. Ahmad. *Acalypha brachystachya*: a valuable source for natural antioxidants. *Asian J. Chem.* 24(10), 4436-4440 (2012). **0.14**
- 23- **S.Z. Siddiqui**, Aziz-ur-Rehman, M.A. Abbasi, N. Abbas, K.M. Khan, M. Ashraf and S.A. Ejaz. Synthesis, characterization and biological screening of *N*-substituted derivatives of 5-benzyl-1,3,4-oxadiazole-2yl-2"-sulfanyl acetamide. *Pak. J. Pharm. Sci.* 26(3), 455-463 (2013). **0.596**
- 24- Aziz-ur-Rehman, A. Siddiqua, M.A. Abbasi, T. Riaz, G. Hussain, **S.Z. Siddiqui**, M. Irshad, M. Ajaib, and I. Ahmad. *Bergia ammannioides*: Phytochemical screening antioxidant activity and radical scavenging effects of its various fractions. *Asian. J. Chem.* 25(14), 7921-7926 (2013). **0.14**
- 25- Aziz-ur-Rehman, A. Siddiqua, M.A. Abbasi, S. Rasool, **S.Z. Siddiqui**, S. Gul, M. Ashraf, and R. Nasar. Enzyme inhibition studies on *N*-substituted sulfonamides derived from *m*-phenetidine. *Pak. J. Chem.* 3(3), 1-7 (2013).
- 26- M.A. Abbasi, A. Akhtar, Aziz-ur-Rehman, K. Nafeesa, **S.Z. Siddiqui**, K.M. Khan, M. Ashraf, and S.A. Ejaz. Synthesis, structural characterization and enzyme inhibition studies on 5-(2-nitrostyryl)-1,3,4-oxadiazole-2-thiol derivatives. *J. Chil. Chem. Soc.* 58(4), 2186-2190 (2013). **0.463**
- 27- M. Ajaib, Z. Khan, M.A. Abbasi, and **S.Z. Siddiqui**. *Iris aitchisonii* (Bakar) Boiss.: A potential source of natural antioxidants. *Biologia* (Pakistan) 59(2), 345-348 (2013).
- 28- M. Irshad, M.A. Abbasi, Aziz-ur-Rehman, S. Rasool, **S.Z. Siddiqui**, I. Ahmad, M. Ashraf, M.A. Lodhi, and S.B. Jamal. *O*- and *N*-substituted derivatives of planetol as valuable bioactive compounds. *Asian J. Chem.* 26(4), 1151-1160 (2014). **0.14**
- 29- M.A. Abbasi, Aziz-ur-Rehman, M. Irshad, **S.Z. Siddiqui** and M. Ashraf. Synthesis and pharmacological activities of *N*-(3-hydroxyphenyl)benzamide and its 3-*O*-derivatives. *Pak. J. Chem.* 4(1), 26-30 (2014).
- 30- H. Khalid, Aziz-ur-Rehman, M.A. Abbasi, **S.Z. Siddiqui**, A. Malik, M. Ashraf, I. Ahmad, and S.A. Ejaz. Synthesis of some new biologically active *N*-substituted-2"-[(phenylsulfonyl)(piperidin-1-yl)amino]acetamide derivatives. *Pak. J. Pharm. Sci.* 27(3), 517-524 (2014). **0.596**
- 31- M. Irshad, M.A. Abbasi, Aziz-ur-Rehman, **S.Z. Siddiqui**, M. Ashraf, S.A. Ejaz, M.A. Lodhi, and S.B. Jamal. Synthesis, characterization and biological screening of some new sulfonamides derivatives of 1,4-benzodioxane-6-amine. *J. Chem. Soc. Pak.* 36(4), 660-673 (2014). **0.393**
- 32- **S.Z. Siddiqui**, M.A. Abbasi, Aziz-ur-Rehman, M. Irshad, B. Shahzad, M. Ashraf, I. Ahmad, M.A. Lodhi, B. Mirza, H. Ismail and M.N. Akhtar. Synthesis, pharmacological evaluation, molecular docking and cytotoxicity studies on some *N*-substituted 5-[(4-chlorophenoxy)methyl]-1,3,4-oxadiazole-2yl-2"-sulfanyl acetamides. *Indo Am. J. Pharm. Res.* 4(8), 3603-3617 (2014).
- 33- S. Nadeem, Aziz-ur-Rehman, M.A. Abbasi, **S.Z. Siddiqui**, S. Rasool, I. Ahmad, and S. Afzal. Antibacterial and enzyme inhibition studies of *N'*-substituted benzylidene-2-(2,4-dimethylphenoxy) acetatohydrazides. *Pak. J. Chem.* 4(3), 96-100 (2014).
- 34- Aziz-ur-Rehman, I. Ahmad, M.A. Abbasi, **S.Z. Siddiqui**, K. Nafeesa, A. Sattar, I. Ahmad, and S. Afzal. Synthesis and biological screening of *N*-(dimethylphenyl substituted)-*N*-ethyl/benzyl-4-chlorobenzenesulfonamides. *Pak. J. Chem.* 4(4), 153-160 (2014).
- 35- Zaheer Muhammad; Zia-ur-Rehman, Muhammad; Jamil, Nadia; Arshad, Muhammad Nadeem; **S. Z. Siddiqui**, Asiri, Abdullah Mohammad; Efficient green synthesis of *N'*-benzylidene-2-(2-fluorobiphenyl)propanehydrazides: crystal structure and anti-oxidant potential. *Journal of Chemical Research*, 39(11), 617-676, pp. 668-673(6), 2015.
- 36- Aziz-ur-Rehman, I. Ahmad, M.A. Abbasi, K. Nafeesa, **S.Z. Siddiqui**, G. Hussain, J. Rahman, I. Ahmad, and S. Afzal. Synthesis, antibacterial and lipoxigenase activities of *N*-[(dimethyl substituted)phenyl]-*N*-(4-chlorophenyl)-4-chlorobenzen-sulfonamides. *Asian J. Chem.* 27(5), 1647-1650 (2015). **0.14**
- 37- Aziz-ur-Rehman, S. Khizar, M.A. Abbasi, **S.Z. Siddiqui**, A. Siddiqua, K.M. Khan, I. Ahmad, and S. Afzal. Synthesis

- and biological studies of some new *N*-substituted derivatives of *N*-(1,3-benzodioxol-5-yl)-4-methylbenzenesulfonamide. *J. Chem. Soc. Pak.* 37(1), 150-156 (2015). **0.393**
- 38- K. Nafeesa, Aziz-ur-Rehman, M.A. Abbasi, **S.Z. Siddiqui**, S. Rasool, G. Hussain, and I. Ahmed. Synthesis and biological screening of *S*-substituted derivatives of 5-{1-(4-chlorophenyl)sulfonyl}-3-piperidinyl-1,3,4-oxadiazole-2-yl sulfide. *Asian J. Chem.* 27(6), 2105-2108 (2015). **0.14**
 - 39- S. Rasool, Aziz-ur-Rehman, M.A. Abbasi, **S.Z. Siddiqui**, A.S. Gondal, H.A. Noor, S. Sheral, and I. Ahmad. Antibacterial and enzyme inhibition study of hydrazone derivatives bearing 1,3,4-oxadiazole. *Pak. J. Chem.* 5(1), 14-22 (2015).
 - 40- M.A. Abbasi, S. Manzoor, Aziz-ur-Rehman, **S.Z. Siddiqui**, I. Ahmad, R. Malik, M. Ashraf, Qurat-ul-Ain and S.A.A. Shah. Synthetic *N*-alkyl/aralkyl-4-methyl-*N*-(naphthalen-1-yl)benzenesulfonamides as potent antibacterial agents. *Pak. J. Chem.* 5(1), 23-29 (2015).
 - 41- Aziz-ur-Rehman, A. Siddiq, M.A. Abbasi, S. Rasool, **S.Z. Siddiqui**, I. Ahmad, S. Afzal. Synthesis of some new 5-substituted-2-((6-chloro-3,4-methylenedioxyphenyl)methylthio)-1,3,4-oxadiazole derivatives as suitable antibacterial inhibitors. *Bull. Fac. Pharm., Cairo University* 53, 37-43 (2015).
 - 42- M.A. Abbasi, A. Sheeza, Aziz-ur-Rehman, **S.Z. Siddiqui**, K.M. Khan, R. Malik, and I. Ahmad. *N*-sulfonated derivatives of 2,3-xylidine as suitable antibacterial agents. *J. Chem. Soc. Pak.* 37(03), 541-548 (2015). **0.393**
 - 43- **S.Z. Siddiqui**, S. Ali, Aziz-ur-Rehman, K. Rubab, M.A. Abbasi, M. Ajaib, and Z.G. Rasool. *Pyrus pashia*: A persuasive source of natural antioxidants. *Pak. J. Pharm. Sci.* 28(5), 1763-1772 (2015). **0.596**
 - 44- Aziz-ur-Rehman, S. Rasool, M.A. Abbasi, **S.Z. Siddiqui**, A. Sattar, K.M. Khan, I. Ahmad, and S. Afzal. Synthesis, characterization and biological activity of some new *S*-substituted derivatives of 5-(2-chlorophenyl)-1,3,4-oxadiazole-2-thiol. *J. Chem. Soc. Pak.* 37(4), 776-786 (2015). **0.393**
 - 45- M. Ajaib, S. Khalid, K.M. Khan, **S.Z. Siddiqui**, M.A. Abbasi, S. Perveen, and S. Shah. *Casearia tomentosa*: A potential antimicrobial and antioxidant source. *J. Chem. Soc. Pak.* 37(4), 811-816 (2015). **0.393**
 - 46- M.A. Abbasi, A. Saeed, Aziz-ur-Rehman, **S.Z. Siddiqui**, K. Rubab, M. Shahid, and F. Anjum. Antibacterial and hemolytic activities of brominated 2-phenitidine derivatives. *Proc. Pak. Acad. Sci.* 52(3), 233-237 (2015).
 - 47- **S.Z. Siddiqui**, M.A. Abbasi, Aziz-ur-Rehman, M. Irshad, M. Ashraf, Qurat-ul-Ain, B. Mirza and H. Ismail. 2-(Aralkylated/arylated/arenylatedthio) 5-benzyl-1,3,4-oxadiazoles: As less cytotoxic and moderate inhibitors of cholinesterases. *Pak. J. Chem.* 5(3), 1-8 (2015).
 - 48- M.A. Abbasi, R. Khizer, Aziz-ur-Rehman, **S.Z. Siddiqui**, K. Rubab, R. Malik, I. Ahmad, S.A.A. Shah. Synthesis, antibacterial and lipoxigenase inhibition studies on some *N*-substituted derivatives of *N*-{4-[(2-phenethyl)aminosulfonyl]phenyl} acetamides. *Turk. J. Pharm. Sci.* 12(3), 257-266 (2015).
 - 49- S. Rasool, Aziz-ur-Rehman, M.A. Abbasi, **S.Z. Siddiqui**, S.A.A. Shah, I. Ahmad, and S. Afzal. Antibacterial and enzyme inhibition screening of some new acetamide and azomethine derivatives. *J. Chil. Chem. Soc.* 60(4), 2704-2710 (2015). **0.463**
 - 50- K. Rubab, M.A. Abbasi, Aziz-ur-Rehman, **S.Z. Siddiqui**, M. Ashraf, A. Shaukat, I. Ahmad, M.A. Lodhi, F.A. Khan, M. Shahid, M.N. Akhtar. Convergent synthesis of new *N*-substituted 2-[[5-(1*H*-indole-3-yl-methyl)-1,3,4-oxadiazole-2-yl]sulfonyl] acetamides as suitable therapeutic agents. *Braz. J. Pharm. Sci.* 51(4), 931-947 (2015). **0.512**
 - 51- A. Siddiq, Aziz-ur-Rehman, M.A. Abbasi, **S.Z. Siddiqui**, S. Rasool, A. Sattar, K.M. Khan, I. Ahmad, and S. Afzal. Synthesis and antibacterial screening of *S*-substituted derivatives of 5-(3,4-methylenedioxyphenyl)-1,3,4-oxadiazol-2-thiol. *Pak. J. Pharm. Sci.* 29(1), 27-34 (2016). **0.596**
 - 52- S. Rasool, Aziz-ur-Rehman, M.A. Abbasi, **S.Z. Siddiqui**, I. Ahmad, and R. Malik. Synthesis, characterization and biological evaluation of *N'*-substituted-2-(5-(4-substitutedphenyl)-1,3,4-oxadiazol-2-ylthio)acetohydrazide derivatives. *J. Chem. Soc. Pak.* 38(1), 80-90 (2016). **0.393**
 - 53- M.A. Abbasi, S. Tariq, Aziz-ur-Rehman, **S.Z. Siddiqui**, I. Ahmad, R. Malik, S.A.A. Shah. Synthesis of some new *N*-substituted-2,3-dihydro-[1,4]-benzodioxin-6-yl)-4-acetamidobenzenesulfonamides as valuable antibacterial agents. *Russ. J. Bioorg. Chem.* 42(2), 198-209 (2016). **0.794**
 - 54- G. Hussain, M.A. Abbasi, Aziz-ur-Rehman, **S.Z. Siddiqui**, M. Ashraf, A. Noreen, M.A. Lodhi, F.A. Khan, M. Shahid, Z. Mushtaq, and S.A.A. Shah. Synthesis and molecular docking study of some new 4-[[4-(2-furoyl)-1-piperazinyl]methyl]-*N*-(substituted-phenyl)benzamides as possible therapeutic entrants for Alzheimer's disease. *Med. Chem. (Los Angeles)* 6(2), 129-136 (2016).
 - 55- Aziz-ur-Rehman, M.A. Abbasi, **S.Z. Siddiqui**, I. Ahmad, M. Shahid, and Z. Subhani. Synthesis of 2-[(5-phenyl-1,3,4-oxadiazol-2-yl)sulfonyl]-*N*-substituted acetamides as potential antimicrobial and hemolytic agents. *Pak. J. Pharm. Sci.* 29(3), 801-809 (2016). **0.596**
 - 56- A. Sattar, Aziz-ur-Rehman, M.A. Abbasi, **S.Z. Siddiqui**, K. Nafeesa, and I. Ahmad. Synthesis and antibacterial study of some *S*-substituted aliphatic analogues of 2-mercapto-5-(1-(4-toluenesulfonyl)piperidin-4-yl)-1,3,4-oxadiazole. *Trop. J. Pharm. Res.* 15(6), 1267-1274 (2016). **0.197**
 - 57- Aziz-ur-Rehman, S. Rasool, M.A. Abbasi, **S.Z. Siddiqui**, and S.A.A. Shah. Synthesis, spectral analysis and antibacterial evaluation of *N'*-substituted-2-(5-(3-chlorophenyl)-1,3,4-oxadiazol-2-ylthio)acetohydrazide derivatives. *Pak. J. Pharm. Sci.*, 29(4), 1307-1315 (2016). **0.596**

- 58- A. Sattar, Aziz-ur-Rehman, M.A. Abbasi, **S.Z. Siddiqui**, S. Rasool, I. Ahmad. Synthesis of some novel enzyme inhibitors and antibacterial agents derived from 5-(1-(4-tosyl)piperidin-4-yl)-1,3,4-oxadiazol-2-thiol. *Braz. J. Pharm. Sci.* 52(1), 77-85 (2016). **0.512**
- 59- K. Rubab, M.A. Abbasi, Aziz-ur-Rehman, **S.Z. Siddiqui**, and M.N. Akhtar. S-Alkylated/aralkylated 2-(1*H*-indole-3-yl-methyl)-1,3,4-oxadiazole-5-thiol derivatives. 1. Synthesis and characterization. *Trop. J. Pharm. Res.* 15(7), 1515-1524 (2016). **0.197**
- 60- K. Rubab, M.A. Abbasi, Aziz-ur-Rehman, **S.Z. Siddiqui**, M. Ashraf, A. Shaukat, I. Ahmad, S. Hassan, M.A. Lodhi, M. Ghufuran, M. Shahid, and H. Fatima. S-Alkylated/aralkylated 2-(1*H*-indole-3-ylmethyl)-1,3,4-oxadiazole-5-thiol derivatives: 2. Anti-bacterial, enzyme-inhibitory and hemolytic activities. *Trop. J. Pharm. Res.* 15(7), 1525-1533 (2016). **0.197**
- 61- S. Rasool, Aziz-ur-Rehman, M.A. Abbasi, **S.Z. Siddiqui**, S.A.A. Shah, S. Hassan, and I. Ahmad. Synthesis, structural elucidation, and antibacterial evaluation of some new molecules derived from coumarin, 1,3,4-oxadiazole, and acetamide. *Org. Chem. Int.* 2016, 1-10 (2016).
- 62- Aziz-ur-Rehman, M.A. Abbasi, **S.Z. Siddiqui**, A. Mohyuddin, S. Nadeem, and S.A.A. Shah. Synthesis, spectral analysis, and biological evaluation of *N*-alkyl/aralkyl/aryl-4-chlorobenzenesulfonamide derivatives. *Pak. J. Pharm. Sci.* 29(5), 1489-1496 (2016). **0.596**
- 63- M.A. Abbasi, M. Islam, Aziz-ur-Rehman, **S.Z. Siddiqui**, K.M. Khan, M. Ashraf, H. Asghar. Synthesis and enzyme inhibitory studies of some new *N*-alkylated/aralkylated *N*-(4-ethoxyphenyl)-2,3-dihydrobenzo-[1,4]-dioxin-6-sulfonamides. *J. Chem. Soc. Pak.* 38(4), 708-716 (2016). **0.393**
- 64- M. Irshad, M.A. Abbasi, Aziz-ur-Rehman, **S.Z. Siddiqui**, M.S. Ali, M. Ashraf, T. Ismail, I. Ahmad, S. Hassan, M.A. Lodhi, and S.B. Jamal. Synthesis, biological screening and molecular docking studies of some ethylated sulfonamides having 1,4-benzodioxane moiety. *Pak. J. Pharm. Sci.* 29(6), 1913-1925 (2016). **0.596**
- 65- Aziz-ur-Rehman, A. Siddiqua, M.A. Abbasi, **S.Z. Siddiqui**, and S. Rasool. Synthesis and screening of some new *N*-alkyl/aralkyl-*N*-(3,4-methylenedioxybenzyl)-4-substituted benzenesulfonamides as potential antibacterial agents. *Pak. J. Pharm. Sci.* 29(6), 2109-2117 (2016). **0.596**
- 66- S. Rasool, Aziz-ur-Rehman, M.A. Abbasi, **S.Z. Siddiqui**, and S.A.A. Shah. Synthesis, spectral analysis and pharmacological study of *N'*-substituted-2-(5-((2,4-dimethylphenoxy)methyl-4-yl)-1,3,4-oxadiazol-2-ylthio)acetohydrazides. *Braz. J. Pharm. Sci.* 52(3), 471-482 (2016). **0.512**
- 67- **S.Z. Siddiqui**, A. Sarwar, M.A. Abbasi, Aziz-ur-Rehman, M. Hussain, I. Ahmad, and S.A.A. Shah. Synthetic *N*-aralkylated-*N*-(2,4-dimethylphenyl) benzenesulfonamides: As potent antibacterial agents. *J. Chem. Soc. Pak.* 38(6), 1151-1158 (2016). **0.353**
- 68- Aziz-ur-Rehman, Y. Masih, M.A. Abbasi, **S.Z. Siddiqui**, T. Hussain, and S. Rasool. Synthesis and antibacterial study 4-(2-aminoethyl)morpholine derivatives. *Pak. J. Chem.* 6(1-2), 18-27 (2016).
- 69- N. Shehzadi, K. Hussain, M. Islam, N.I. Bukhari, M.T. Khan, M. Salman, **S.Z. Siddiqui**, Aziz-ur-Rehman, & M.A. Abbasi. *In silico* drug-qualifying parameters of 5-[(4-chlorophenoxy)methyl]-1,3,4-oxadiazole-2-thiol. *Lat. Am. J. Pharm.* 35(9), 1991-1997 (2016).
- 70- T. Riaz, M.A. Abbasi, Aziz-ur-Rehman, **S.Z. Siddiqui**, M. Shahid, H. Fatima, M. Ashraf, S.A. Ejaz, Z.G. Rasool, and G.H. Abbasi. Enzyme inhibitory, antifungal, antibacterial, and hemolytic potential of various fractions of *Colebrookia oppositifolia*. *Pak. J. Pharm. Sci.* 30(1), 105-112 (2017). **0.596**
- 71- M.A. Abbasi, G. Hussain, Aziz-ur-Rehman, **S.Z. Siddiqui**, and V.U. Ahmad. *in silico* Study of furocoumarins from *Caryopteris odorata*: Moderate inhibitors of butyryl cholinesterase and lipoxxygenase. *Asain. J. Chem.* 29(4), 758-762 (2017).
- 72- M.A. Abbasi, Aziz-ur-Rehman, **S.Z. Siddiqui**, A. Sheeza, S. Nazir, I. Ahmad, R. Malik, S.A.A. Shah. Synthesis, antibacterial and lipoxxygenase inhibition studies of *N*-alkyl/aralkyl-*N*-(2,3-dihydro-1,4-benzodioxin-6-yl)-4-methylbenzenesulfonamides. *Turk. J. Pharm. Sci.* 14(1), 49-55 (2017).
- 73- J. Iqbal, Aziz-ur-Rehman, M.A. Abbasi, **S.Z. Siddiqui**, S. Rasool, K. Nafeesa, S.G. Khan, and S.A.A. Shah. Synthesis of *N*-substituted acetamide derivatives of azinane-bearing 1,3,4-oxadiazol nucleus and screening for antibacterial activity. *Trop. J. Pharm. Res.* 16(2), 429-437 (2017). **0.197**
- 74- **S.Z. Siddiqui**, H. Saleem, M.A. Abbasi, Aziz-ur-Rehman, M. Ajaib. *Lonicera quinquelocularis*: A rich source of antioxidant for protection against chronic diseases. *Pak. J. Pharm. Sci.* 30(2), 347-353 (2017). **0.596**
- 75- M.A. Abbasi, G. Hussain, Aziz-ur-Rehman, **S.Z. Siddiqui**, S.A.A. Shah, M.A. Lodhi, F.A. Khan, M. Ashraf, Quratul-Aain, I. Ahmad, R. Malik, M. Shahid, and Z. Mushtaq. Synthesis of some unique carbamate derivatives bearing 2-furoyl-1-piperazine as valuable therapeutic agents. *Acta Chim. Slov.* 64, 159-169 (2017).
- 76- **S.Z. Siddiqui**, A. Zahid, M.A. Abbasi, Aziz-ur-Rehman, and F. Naseem. Synthetic *N*-[(substitutedsulfamoyl)phenyl]acetamides as moderate chymotrypsin inhibitors. *Pak. J. Pharm. Sci.* 30(3), 675-681 (2017). **0.596**

- 77- M.A. Abbasi, S.A.H. Shah, Aziz-ur-Rehman, **S.Z. Siddiqui**, K.M. Khan, M. Ashraf, S.A. Ejaz. Synthesis of (*E*)-*N'*-[1-(2,4-dihydroxyphenyl)ethylidene] substituted hydrazides as possible α -glucosidase and butyrylcholinesterase inhibitors. *J. Chem. Soc. Pak.* 39(2), 248-253 (2017). **0.353**
- 78- Aziz-ur-Rehman, S. Ahtzaz, M.A. Abbasi, **S.Z. Siddiqui**, S. Rasool, I. Ahmad. Synthesis, spectral analysis, and antibacterial evaluation of 5-substituted-1,3,4-oxadiazole-2-yl 4-(4-methylpiperidin-1-ylsulfonyl)benzyl sulfides. *J. Chil. Chem. Soc.* 62(1), 3370-3375 (2017). **0.463**
- 79- Aziz-ur-Rehman, A. Arif, M.A. Abbasi, **S.Z. Siddiqui**, S. Rasool, and S.A.A. Shah. Synthesis and pharmacological screening: sulfa derivatives of 2-pipecoline-bearing 1,3,4-oxadiazole core. *Russ. J. Bioorg. Chem.* 43(3), 328-339 (2017). **0.794**
- 80- G. Hussain, M.A. Abbasi, Aziz-ur-Rehman, **S.Z. Siddiqui**, S.A.A. Shah, M. Ashraf, Qurat-ul-Ain, I. Ahmad, R. Malik, M.A. Lodhi, F.A. Khan, M. Shahid, H. Fatima. Synthesis and *in silico* study of 2-furyl(4-{4-[(substituted)sulfonyl]benzyl}-1-piperazinyl)methanone derivatives as suitable therapeutic agents. *Braz. J. Pharm. Sci.* 53(1), e15237 (2017). **0.512**
- 81- A. Munir, Aziz-ur-Rehman, M.A. Abbasi, **S.Z. Siddiqui**, A. Nasir, S.G. Khan, S. Rasool, and S.A.A. Shah. Synthesis and molecular docking of new hydrazones derived from ethylisonipeotate and their biological activities. *Trop. J. Pharm. Res.* 16(5), 1157-1165 (2017). **0.197**
- 82- M.A. Abbasi, S.K. Farani, Aziz-ur-Rehman, **S.Z. Siddiqui**, I. Ahmad, R. Malik, M. Ashraf, and Qurat-ul-Ain. Synthesis of *N*-substituted-(2,3-dihydro-1,4-benzodioxin-6-yl)benzenesulfonamide derivatives as potent antibacterial agents and moderate enzyme inhibitors. *Pharm. Chem. J.* 51(3), 193-199 (2017).
- 83- M.A. Abbasi, A. Zeb, Aziz-ur-Rehman, **S.Z. Siddiqui**, S.A.A. Shah, M. Ashraf, and Qurat-ul-Ain. Synthetic *N*-(alkyl/aralkyl)-*N*-(2,3-dihydro-1,4-benzodioxin-6-yl)-4-methylbenzenesulfonamides as acetyl cholinesterase inhibitors. *Nov. Appro. Drug. Des. Dev.* 1(5), 555573 (2017).
- 84- K. Rubab, M.A. Abbasi, Aziz-ur-Rehman, **S.Z. Siddiqui**, S.A.A. Shah, M. Ashraf, Qurat-ul-Ain, I. Ahmad, M.A. Lodhi, M. Ghufuran, M. Shahid, and H. Fatima. Synthesis, pharmacological screening and computational analysis of some 2-(1*H*-indol-3-yl))-*N'*-(un/substituted phenylmethylidene)acetohydrazides and 2-(1*H*-indol-3-yl))-*N'*-(un/substituted benzoyl/2-thienylcarbonyl)acetohydrazides. *Pak. J. Pharm. Sci.* 30(4), 1263-1274 (2017). **0.596**
- 85- J. Iqbal, Aziz-ur-Rehman, M.A. Abbasi, **S.Z. Siddiqui**, S. Rasool, M. Rehan and S.A.A. Shah. Synthesis, multiparametric structure assesment and biological evaluation of some new 1,3,4-oxadiazoles bearing piperidine nucleus. *Asian J. Chem.* 29(9), 1901-1906 (2017).
- 86- M.A. Abbasi, A. Anwar, Aziz-ur-Rehman, **S.Z. Siddiqui**, K. Rubab, S.A.A. Shah, M.A. Lodhi, F.A. Khan, M. Ashraf, and U. Alam. Synthesis, enzyme inhibition and molecular docking studies on 1-arylsulfonyl-4-phenylpiperazine derivatives. *Pak. J. Pharm. Sci.* 30(5), 1715-1724 (2017). **0.596**
- 87- **S.Z. Siddiqui**, M.A. Abbasi, Aziz-ur-Rehman, M. Ashraf, B. Mirza, and H. Ismail. Synthesis of 2-[(5-benzyl-1,3,4-oxadiazol-2yl)sulfanyl]-*N*-arylated/ arenylated)acetamides as antibacterial and acetyl cholinesterase inhibitors. *Pak. J. Pharm. Sci.* 30(5), 1743-1751 (2017). **0.596**
- 88- K. Nafeesa, Aziz-ur-Rehman, M.A. Abbasi, **S.Z. Siddiqui**, S. Rasool, and S.A.A. Shah. Synthesis, characterization and pharmacological evaluation of different 1,3,4-oxadiazole and acetamide derivatives of ethyl nipecotate. *Bull. Fac. Pharm. (Cairo University)* 55, 333-343 (2017).
- 89- M.A. Abbasi, M. Massod, Aziz-ur-Rehman, **S.Z. Siddiqui**, A. Fatima, M. Shahid, H. Fatima, and K.M. Khan. Synthesis of some 1,4-benzodioxane containing methanesulfonamides and their hemolytic study on human blood. *J. Chem. Soc. Pak.* 39(6), 999-1005 (2017). **0.353**
- 90- Aziz-ur-Rehman, A. Sattar, M.A. Abbasi, **S.Z. Siddiqui**, M.A. Raza, M. Ashraf, M. Nazir, and S.A.A. Shah. Synthesis and structural analysis of persuasive, antibacterial agents and enzyme inhibitors derived from 5-(1-(4-tosyl)piperidin-4-yl)-1,3,4-oxadiazol-2-thiol. *Asian J. Chem.* 30(2), 260-264 (2018).
- 91- M.A. Abbasi, Aziz-ur-Rehman, **S.Z. Siddiqui**, S.A.A. Shah, and M. Shahid. Synthesis and bioactivity of novel tri-heterocyclic molecules: {4-[3-({[5-(Substituted)-1,3,4-oxadiazol-2-yl]sulfanyl}methyl) benzoyl]-1-piperazinyl}(2-furyl) methanones. *Arch. Org. Inorg. Chem. Sci.* 1(2), AOICS.MS.ID.000108 (2018).
- 92- Aziz-ur-Rehman, J. Iqbal, M.A. Abbasi, **S.Z. Siddiqui**, H. Khalid, S.J. Laulloo N.A. Virk, S. Rasool, and S.A.A. Shah. Compounds with 1,3,4-oxadiazole and azinane appendages to evaluate enzymes inhibition applications supported by docking and BSA binding. *Cogent Chem.* 4, 1441597 (2018).
- 93- N. Shehzadi, K. Hussain, M. Islam, N.I. Bukhari, N. Asif, M.T. Khan, M. Salman, S. Qamar, S. Parveen, F. Zahid, A.A. Shah, A. Bilal, M.A. Abbasi, **S.Z. Siddiqui**, and Aziz-ur-Rehman. Development and validation of a stability-indicating RP-HPLC-FLD method for determination of 5-[(4-chlorophenoxy)methyl]-1,3,4-oxadiazole-2-thiol; A novel drug candidate. *Pak. J. Pharm. Sci.* 31(2, Suppl), 603-609 (2018).

- 94- G. Hussain, M.A. Abbasi, A. Anwar, Aziz-ur-Rehman, **S.Z. Siddiqui**, K. Rubab, S.A.A. Shah, I. Ahmad, and M. Shahid. Synthesis of some new 2-[4-(2-furoyl)-1-piperazinyl]-*N*-aryl/aralkyl acetamides as potent antibacterial agents. *Pak. J. Pharm. Sci.* 31(3), 857-866 (2018).
- 95- M.S. Ramzan, M.A. Abbasi, Aziz-ur-Rehman, **S.Z. Siddiqui**, S.A.A. Shah, M. Ashraf, B. Mirza, and H. Ismail. 2-[[5-(Substituted-phenyl)-1,3,4-oxadiazol-2-yl]sulfanyl]-*N*-(1,3-thiazol-2-yl)acetamides: New bi-heterocycles as possible therapeutic agents. *Pak. J. Pharm. Sci.* 31(3, Suppl), 1051-1059 (2018).
- 96- A. Sattar, Aziz-ur-Rehman, M.A. Abbasi, **S.Z. Siddiqui**, S. Rasool, H. Khalid, M.A. Lodhi, and F.A. Khan. Synthesis, biological evaluation, and *in silico* study of some unique multifunctional 1,2,4-triazole acetamides. *Turk. J. Chem.* 42, 401-417 (2018).
- 97- N. Shehzadi, K. Hussain, N.I. Bukhari, M. Islam, M.T. Khan, M. Salman, **S.Z. Siddiqui**, Aziz-ur-Rehman, and M.A. Abbasi. Hypoglycemic, hepatoprotective, and molecular docking studies of 5-[(4-chlorophenoxy)methyl]-1,3,4-oxadiazole-2-thiol. *Bangladesh J. Pharmacol.* 13, 149-156 (2018).
- 98- Aziz-ur-Rehman, K. Nafeesa, M.A. Abbasi, **S.Z. Siddiqui**, S. Rasool, S.A.A. Shah, and M. Ashraf. Synthesis of new heterocyclic 3-piperidinyl-1,3,4-oxadiazole derivatives as potential drug candidate for the treatment of Alzheimer's disease. *Cogent Chem.* 4, 1472197 (2018).
- 99- M.S. Ramzan, M.A. Abbasi, Aziz-ur-Rehman, **S.Z. Siddiqui**, S.A.A. Shah, M. Ashraf, M.A. Lodhi, F.A. Khan, B. Mirza. 2-[[5-(Aralkyl/aryl)-1,3,4-oxadiazol-2-yl]sulfanyl]-*N*-(4-methyl-1,3-thiazol-2-yl)acetamides: Novel bi-heterocycles as potential therapeutic agents. *Trop. J. Pharm. Res.* 17(5), 913-926 (2018).
- 100- M.A. Abbasi, A. Mumtaz, Aziz-ur-Rehman, **S.Z. Siddiqui**, S.A.A. Shah, M. Shahid. Hemolytic profile of novel tri-heterocyclic benzamides. *MOJ Bioequiv. Availab.* 05(3), 135-139 (2018).
- 101- Aziz-ur-Rehman, K. Nafeesa, M.A. Abbasi, **S.Z. Siddiqui**, S. Rasool, S.A.A. Shah, M. Ashraf, M.A. Lodhi, F.A. Khan, and Bakhat Jahan. *S*-Substituted derivatives of 1,2,4-triazol-3-thiol as new drug candidates for type II diabetes. *Turk. J. Chem.* 42, 652-671 (2018).
- 102- M.A. Abbasi, M. Hassan Aziz-ur-Rehman, **S.Z. Siddiqui**, S.A.A. Shah, H. Raza, and S-Y Seo. Synthesis, enzyme inhibitory kinetics mechanism, and computational study of *N*-(4-methoxyphenethyl)-*N*-(substituted)-4-methylbenzenesulfonamides as novel therapeutic agents for Alzheimer's disease. *PeerJ.*, 6:e4962; DOI 10.7717/peerj.4962.
- 103- Aziz-ur-Rehman, N. Ahtaz, M.A. Abbasi, **S.Z. Siddiqui**, S. Saleem, S. Manzoor, J. Iqbal, N.A. Virk, T.A. Chohan, S.A.A. Shah. Synthesis of some new propanamide derivatives bearing 4-piperidinyl-1,3,4-oxadiazole, and their evaluation as promising anticancer agents. *Trop. J. Pharm. Res.* 17(6), 1145-1153 (2018).
- 104- M.A. Abbasi, M. Hassan, Aziz-ur-Rehman, **S.Z. Siddiqui**, H. Raza, S.A.A. Shah, S-Y Seo. Synthesis, *in vitro* and *in silico* studies of novel potent urease inhibitors: *N*-[4-((3-Un/substituted-anilino-3-oxopropyl)sulfanyl)-1,3,4-oxadiazol-2-yl]methyl-1,3-thiazol-2-yl]benzamides. *Bioorg. Med. Chem.* 26, 3791-3804 (2018).
- 105- M. Nazir, M.A. Abbasi, Aziz-ur-Rehman, **S.Z. Siddiqui**, H. Raza, M. Hassan, S.A.A. Shah, M. Shahid, S.-Y. Seo. Novel indole based hybrid oxadiazole scaffolds with *N*-(substituted-phenyl)butanamides: Synthesis, lineweaver-burk plot evaluation and binding analysis of potent urease inhibitors. *RSC Adv.* 8, 25920-25931 (2018).
- 106- G. Hussain, M.A. Abbasi, Aziz-ur-Rehman, **S.Z. Siddiqui**, I. Ahmad, R. Malik, M. Shahid, Z. Mushtaq, S.A.A. Shah. Synthesis of 3-[4-(2-furoyl)-1-piperazinyl]-*N*-(substituted)propanamides as persuasive antibacterial agents with mild cytotoxicity. *Trop. J. Pharm. Res.* 17(7), 1397-1406 (2018).
- 107- N.A. Virk, Aziz-ur-Rehman, M.A. Abbasi, **S.Z. Siddiqui**, U. Rashid, J. Iqbal, M. Saleem, M. Ashraf, W. Shahid, and S.A.A. Shah. Conventional versus microwave assisted synthesis, molecular docking and enzyme inhibitory activities of new 3,4,5-trisubstituted-1,2,4-triazole analogues. *Pak. J. Pharm. Sci.* 31(4, suppl), 1501-1510 (2018).
- 108- M. Nazir, M.A. Abbasi, Aziz-ur-Rehman, **S.Z. Siddiqui**, K.M. Khan, Kanwal, U. Salar, M. Shahid, M. Ashraf, M.A. Lodhi, F.A. Khan. New indole based hybrid oxadiazole scaffolds with *N*-substituted acetamides: As potent anti-diabetic agents. *Bioorg. Chem.* 81, 253-263 (2018).
- 109- Aziz-ur-Rehman, A. Siddiq, M.A. Abbasi, **S.Z. Siddiqui**, S.G. Khan, S. Rasool, and S.A.A. Shah. Synthesis, spectral analysis and antibacterial activity of some novel 5-substituted-2-((6-bromo-3,4-methylenedioxybenzyl)thio)-1,3,4-oxadiazole derivatives. *Pak. J. Pharm. Sci.* 31(5), 1783-1790 (2018).
- 110- M.A. Abbasi, M. Hassan, Aziz-ur-Rehman, **S.Z. Siddiqui**, G. Hussain, S.A.A. Shah, M. Ashraf, M. Shahid, S-Y Seo. 2-Furoic piperazide derivatives as promising drug candidates of type 2 diabetes and Alzheimer's diseases: *In vitro* and *in silico* studies. *Comp. Bio. Chem.* 77, 72-86 (2018).
- 111- M. Hassan, M.A. Abbasi, Aziz-ur-Rehman, **S.Z. Siddiqui**, G. Hussain, S.A.A. Shah, M. Shahid, and S-Y Seo. Exploration of synthetic multifunctional amides as new therapeutic agents for Alzheimer's disease through enzyme inhibition, chemoinformatic properties, molecular docking and dynamic simulation insights. *J. Theo. Bio.* 458, 169-183 (2018).

- 112-N. Shehzadi, K. Hussain, M. Islam, N.I. Bukhari, M.T. Khan, M. Salman, **S.Z. Siddiqui**, Aziz-ur-Rehman, M.A. Abbasi. Reverse-phase chromatographic determination and intrinsic stability behavior of 5-[(4-chlorophenoxy)methyl]-1,3,4-oxadiazole-2-thiol. *Acta Pharm.* 68, 409-424 (2018).
- 113- M.A. Abbasi, M.M. Nazeer, Aziz-ur-Rehman, **S.Z. Siddiqui**, G. Hussain S.A.A. Shah, I. Ahmad, M. Shahid, and M.S. Sarwar. Synthesis of 2-furyl[(4-aralkyl)-1-piperazinyl]methanone derivatives as suitable antibacterial agents with mild cytotoxicity. *Pak. J. Pharm. Sci.* 31(6), 2477-2485 (2018).
- 114-M.A. Abbasi, M.S. Ramzan, Aziz-ur-Rehman, **S.Z. Siddiqui**, S.A.A. Shah, M. Hassan, S-Y Seo, M. Ashraf, B. Mirza, and H. Ismail. *N*-(5-Methyl-1,3-thiazol-2-yl)-2-[[5-((un)substituted-phenyl)1,3,4-oxadiazol-2-yl]sulfanyl]acetamides. Unique biheterocycles as promising therapeutic agents. *Russ. J. Bioorg. Chem.* 44(6), 693-703 (2018). **0.794**
- 115-M.A. Abbasi, H. Raza, Aziz-ur-Rehman, **S.Z. Siddiqui**, S.A.A. Shah, M. Hassan, and S-Y Seo. Synthesis of novel *N*-(1,3-thiazol-2-yl)benzamide cubbed oxadiazole scaffolds: Urease inhibition, Lipinski rule and molecular docking analyses. *Bioorg. Chem.* 83, 63-75 (2019). **3.929**
- 116-M.A. Abbasi, H. Raza, Aziz-ur-Rehman, **S.Z. Siddiqui**, S.A.A. Shah, M. Hassan, and S-Y Seo. Synthesis of novel *N*-(1,3-thiazol-2-yl)benzamide cubbed oxadiazole scaffolds: Urease inhibition, Lipinski rule and molecular docking analyses. *Bioorg. Chem.* 83, 63-75 (2019). **3.929**
- 117-M.A. Abbasi, Aziz-ur-Rehman, **S.Z. Siddiqui**, Noor-ul-Hadi. A. Mumtaz, S.A.A. Shah, M. Ashraf, G.H. Abbasi. Synthesis of some new *N*-alkyl/aralkyl-*N*-(2,3-dihydro-1,4-benzodioxan-6-yl)-4-chlorobenzenesulfonamides as possible therapeutic agents for Alzheimer's disease and type-2 diabetes. *Pak. J. Pharm. Sci.* 32(1), 61-68 (2019). **0.596**
- 118-M.A. Abbasi, M. Nazir, Aziz-ur-Rehman, **S.Z. Siddiqui**, M. Hassan, H. Raza, S.A.A. Shah, M. Shahid, and S.-Y. Seo. Bi-heterocyclic benzamides as alkaline phosphatase inhibitors: Mechanistic comprehensions through kinetics and computational approaches. *Arch. Pharm. Chem. Life Sci. (Archiv der Pharmazie)*. e1800278, 1-14 (2019). <https://doi.org/10.1002/ardp.201800278>.
- 119-A.R.S. Butt, M.A. Abbasi, Aziz-ur-Rehman, **S.Z. Siddiqui**, M. Hassan, H. Raza, S.A.A. Shah, and S.-Y. Seo. Synthesis and structure-activity relationship of elastase inhibiting novel ethylated thiazole-triazole acetamide hybrids: Mechanistic insights through kinetics and computational contemplations. *Bioorg. Chem.* 86, 197-209 (2019). **3.929**
- 120-A.R.S. Butt, M.A. Abbasi, Aziz-ur-Rehman, **S.Z. Siddiqui**, H. Raza, M. Hassan, S.A.A. Shah, M. Shahid, and S.-Y. Seo. Synthesis and Structure-activity relationship of tyrosinase inhibiting novel bi-heterocyclic acetamides: Mechanistic insights through inhibition kinetics and computational studies. *Bioorg. Chem.* 86, 459-472 (2019). **3.929**
- 121-M.A. Abbasi, H. Raza, Aziz-ur-Rehman, **S.Z. Siddiqui**, M. Nazir, A. Mumtaz, S.A.A. Shah, S-Y Seo and M. Hassan. Synthesis, antioxidant, and *in silico* studies of potent urease inhibitors: *N*-(4-[(4-methoxyphenethyl)-(substituted)amino]sulfonyl} phenyl)acetamides. *Drug Res.* 69(2), 111-120 (2019).
- 122-Aziz-ur-Rehman, S.J. Aslam, M.A. Abbasi, **S.Z. Siddiqui**, S. Rasool, and S.A.A. Shah. Synthesis, spectral analysis and biological evaluation of sulfamoyl and 1,3,4-oxadiazole derivatives of 3-pipecoline. *Pak. J. Pharm. Sci.* 32(3), 987-996 (2019). **0.596**
- 123-S. Qamar, K. Hussain, N.I. Bukhari, **S.Z. Siddiqui**, Aziz-ur-Rehman, M.A. Abbasi, S. Parveen, A. Latif, A. Qamar, E. Ali, N. Shehzadi, M. Islam, S. Naheed. Evaluating the antidiabetic and antioxidant properties of 5-benzyl- 1,3,4-oxadiazole-2-thiol. *Trop. J. Pharm. Res.* 18(5), 1095-1100 (2019). **0.197**
- 124- N.A. Virk, Aziz-ur-Rehman, M.A. Abbasi, **S.Z. Siddiqui**, A. Ashraf, J. Iqbal, S. Rasool, H. Khalid, S.J. Laulloo, S.U. Khan, S.A.A. Shah. Biological screening and docking studies of unique hybrids synthesized by conventional versus microwave-assisted techniques. *Trop. J. Pharm. Res.* 18(5), 1109-1117 (2019). **0.197**
- 125-M.A. Abbasi, W. Khan, Aziz-ur-Rehman, **S.Z. Siddiqui**, G. Hussain, S.A.A. Shah, M. Shahid, and K.M. Khan. Linear synthesis of {4-[(2-alkoxy/aralkyloxy-3,5-dichlorophenyl)sulfonyl]-1-piperazinyl}(2-furyl)methanones as possible therapeutic agents. *J. Chem. Soc. Pak.* 41(4), 685-694 (2019). **0.353**
- 126-M.A. Abbasi, M.S. Ramzan, Aziz-ur-Rehman, **S.Z. Siddiqui**, M. Hassan, H. Raza, S.A.A. Shah, B. Mirza, and S.-Y. Seo. Structure-activity relationship and *in silico* study of unique bi-heterocycles: 5-[(2-amino-1,3-thiazol-4-yl)methyl]-1,3,4-oxadiazole-2-thiol derivatives. *J. Serb. Chem. Soc.* 84(7), 649-661 (2019). **0.917**
- 127-M.A. Abbasi, Z. Fatima, Aziz-ur-Rehman, **S.Z. Siddiqui**, S.A.A. Shah, M. Shahid, and H. Fatima. Synthesis of some new *N*-(alkyl/aralkyl)-*N*-(4-methoxyphenethyl)benzenesulfonamides as antibacterial agents against *Escherichia coli*. *Pak. J. Pharm. Sci.* 32(5), 1957-1964 (2019). **0.596**
- 128-M.A. Abbasi, M. Irshad, Aziz-ur-Rehman, T. Riaz, **S.Z. Siddiqui**, and M. Shahid. *In vitro* assessment of antibacterial, antifungal, enzyme inhibition and hemolytic activities of various fractions of *Rhynchosia pseudo-cajan*. *Pak. J. Pharm. Sci.* 32(5), 2003-2010 (2019). **0.596**
- 129-M.A. Abbasi, S. Riaz, Aziz-ur-Rehman, **S.Z. Siddiqui**, S.A.A. Shah, M. Ashraf, M.A. Lodhi, F.A. Khan. Synthesis of new 2-{2,3-dihydro-1,4-benzodioxin-6-yl}[(4-methylphenyl)sulfonyl]amino}-*N*-(un/substituted- phenyl)acetamides as alpha-glucosidase and acetylcholinesterase inhibitors and their *in silico* study. *Braz. J. Pharm. Sci.* **55**, e17032 (2019). **0.814**
- 130- Aziz-ur-Rehman, M.A. Abbasi, **S.Z. Siddiqui**, S. Rasool, S. Jabeen, A.M. Joyia, and S.-U.-D. Gondal.

- Synthesis, spectral evaluation, and pharmacological screening of some sulfa drugs. *Open J. Chem.* **2**(1), 1-10(2019).
- 131- M.A. Abbasi, S.H. Eo, Aziz-ur-Rehman, **S.Z. Siddiqui**, Y. Han, S.M. Yu, S.J. Kim, M. Hassan, H. Raza, S.A.A. Shah, S.-Y. Seo. Anti-proliferative and migratory inhibition study of b16f10 in mouse melanoma cells induced by synthetic indole-oxadiazole bearing butanamides. *Open J. Chem.* **2**(1), 21-29 (2019).
 - 132- M.A. Abbasi, S.M. Yu, Aziz-ur-Rehman, **S.Z. Siddiqui**, S.J. Kim, H. Raza, M. Hassan, A.R.S. Butt, S.A.A. Shah, and S.-Y. Seo. Synthesis and exploration of a novel chlorobenzylated 2-aminothiazole-phenyltriazole hybrid as a migratory inhibitor of B16F10 in melanoma cells. *Toxicol. Rep.* **6**, 897-903 (2019)
 - 133- M. Hassan, M.A. Abbasi, Aziz-ur-Rehman, **S.Z. Siddiqui**, S. Shahzadi, H. Raza, G. Hussain, S.A.A. Shah, M. Ashraf, M. Shahid, S.-Y. Seo, A. Malik. Designing of promising medicinal scaffolds for Alzheimer's disease through enzyme inhibition, lead optimization, molecular docking and dynamic simulation approaches. *Bioorg. Chem.* **91**, 103138 (2019). **4.831**
 - 134- M. Nazir, M.A. Abbasi, Aziz-ur-Rehman, **S.Z. Siddiqui**, S.A.A. Shah, M. Shahid, H. Fatima, S. Iftikhar, and R.S.Z. Saleem. Synthesis of new S-substituted derivatives of 5-[3-(1H-indol-3-yl)propyl]-1,3,4-oxadiazol-2-ylhydrosulfide as suitable antibacterial and anticancer agents with moderate cytotoxicity. *Pak. J. Pharm. Sci.* **32**(6), 2585-2597 (2019). **0.562**
 - 135- K. Nafeesa, Aziz-ur-Rehman, M.A. Abbasi, **S.Z. Siddiqui**, S. Rasool, S.A.A. Shah, M. Ashraf, B. Jahan, M.A. Lodhi, and F.A. Khan. alpha-Glucosidase inhibitory potential and hemolytic evaluation of newly synthesized 3,4,5-trisubstituted-1,2,4-triazole derivatives. *Pak. J. Pharm. Sci.* **32**(6), 2651-2658 (2019). **0.562**
 - 136- M.A. Abbasi, M. Nazir, Aziz-ur-Rehman, **S.Z. Siddiqui**, S.A.A. Shah, and M. Shahid. Synthesis and structure-activity relationship of 1-[(E)-3-phenyl-2-propenyl]piperazine derivatives as suitable antibacterial agents with mild hemolysis. *Sci. Iran. C* **26**(6), 3375-3386 (2019). **1.017**
 - 137- H. Raza, M.A. Abbasi, Aziz-ur-Rehman, **S.Z. Siddiqui**, M. Hassan, Q. Abbas, H. Hong, S.A.A. Shah, M. Shahid, and S.-Y. Seo. Synthesis, molecular docking, dynamic simulations, kinetic mechanism, cytotoxicity evaluation of N-(substituted-phenyl)-4-{(4-[(E)-3-phenyl-2-propenyl]-1-piperazinyl)butanamides as tyrosinase and melanin inhibitors: In vitro, in vivo and in silico approaches. *Bioorg. Chem.* **94**, 103445 (2020). **4.831**
 - 138- M.A. Abbasi, A. Zeb, Aziz-ur-Rehman, **S.Z. Siddiqui**, S.A.A. Shah, M. Shahid, H. Fatima. Synthesis, bacterial biofilm inhibition and cytotoxicity of new N-alkyl/aralkyl-N-(2,3-dihydro-1,4-benzodioxin-6-yl)-4-nitrobenzenesulfonamides. *Pak. J. Pharm. Sci.* **33**(1), 41-47 (2020). **0.562**
 - 139- J. Iqbal, Aziz-ur-Rehman, M.A. Abbasi, **S.Z. Siddiqui**, H. Khalid, S.J. Lalluoo, T.A. Chohan, S. Rasool, and S.A.A. Shah. BSA binding, molecular docking and in vitro biological screening of some new 1,2,4-triazole heterocycles bearing azinane nucleus. *Pak. J. Pharm. Sci.* **33**(1), 149-160 (2020). **0.562**
 - 140- N.A. Virk, Aziz-ur-Rehman, M.A. Abbasi, **S.Z. Siddiqui**, J. Iqbal, S. Rasool, S.U. Khan, T.T. Htar, H. Khalid, S.J. Lalluoo, S.A.A. Shah. Microwave-assisted synthesis of triazole derivatives conjugated with piperidine as new anti-enzymatic agents. *J. Heterocyclic Chem.* **57**, 1387-1402 (2020). **1.484**
 - 141- M.A. Abbasi, M.S. Ramzan, Aziz-ur-Rehman, **S.Z. Siddiqui**, M. Hassan, S.A.A. Shah, M. Ashraf, M. Shahid, and S.-Y. Seo. Novel bi-heterocycles as potent inhibitors of urease and less cytotoxic agents: 3-({5-[(2-Amino-1,3-thiazol-4-yl)methyl]-1,3,4-oxadiazol-2-yl}sulfanyl)-N-(un/substituted-phenyl)propanamides. *Iran. J. Pharm. Res.* **19**(1), 487-506 (2020). **1.505**
 - 142- H. Raza, M.A. Abbasi, Aziz-ur-Rehman, **S.Z. Siddiqui**, M. Hassan, S.A.A. Shah, M. Shahid, H. Hong, S.-Y. Seo. Design, synthesis and computational studies of N-(substituted-phenyl)-4-(4-phenyl-1-piperazinyl)butanamides as potent anti-melanogenic and tyrosinase inhibitors. *J. Mol. Struct.* **1210**, 127969 (2020). **2.463**
 - 143- M.A. Abbasi, M. Irshad, Aziz-ur-Rehman, **S.Z. Siddiqui**, S.A.A. Shah, and M. Shahid. Bacterial biofilm inhibition, hemolytic, and structure-activity relationship of N-(2,3-dihydro-1,4-benzodioxin-6-yl)-4-nitro-N-(substituted-benzyl)benzenesulfonamides. *Russ. J. Bioorg. Chem.* **46**(2), 223-234 (2020). **0.682**
 - 144- **S.Z. Siddiqui**, M. Arfan, M.A. Abbasi, Aziz-ur-Rehman, S.A.A. Shah, M. Ashraf, S. Hussain, R.S.Z. Saleem, R. Rafique, and K.M. Khan. Discovery of dual inhibitors of acetyl and butyrylcholinesterase and anti-proliferative activity of 1,2,4-triazole-3-thiol: Synthesis and in silico molecular study. *ChemistrySelect.* **5**, 6430-6439 (2020). **1.811**
 - 145- M.A. Abbasi, Zia-ur-Rehman, Aziz-ur-Rehman, **S.Z. Siddiqui**, M. Nazir, M. Hassan, H. Raza, S.A.A. Shah, S.-Y. Seo. Synthesis of bi-heterocyclic sulfonamides as tyrosinase inhibitors: Lineweaver-burk plot evaluation and computational ascriptions. *Acta Chim. Slov.* **67**(2), 403-414 (2020).
 - 146- M.A. Abbasi, M. Ijaz, Aziz-ur-Rehman, **S.Z. Siddiqui**, S.A.A. Shah, M. Shahid, and H. Fatima. Synthesis of some N-sulfonated derivatives of 1-[(E)-3-phenyl-2-propenyl]piperazine as suitable antibacterial agents. *Pak. J. Pharm. Sci.* **33**(4), 1609-1616 (2020). **0.5**

- 147-A. Sattar, Aziz-ur-Rehman, M.A. Abbasi, **S.Z. Siddiqui**, S. Rasool, and S.A.A. Shah. Synthesis of new antibacterial agents encompassing tosyl, piperidine, propanamide and 1,3,4-oxadiazole functionalities. *Pak. J. Pharm. Sci.* **33**(4), 1697-1705 (2020). **0.562**
- 148-W. Khan, M.A. Abbasi, Aziz-ur-Rehman, **S.Z. Siddiqui**, M. Nazir, S.A.A. Shah, H. Raza, M. Hassan, M. Shahid, and S.-Y. Seo. Convergent synthesis, free-radical scavenging, lineweaver-burk plot exploration, hemolysis and in silico study of novel indole-phenyltriazole hybrid bearing acetamides as potent urease inhibitors. *J. Heterocyclic Chem.* **57**(7), 2955-2968 (2020). **1.484**
- 149- M.A. Abbasi, M.S. Ramzan, Aziz-ur-Rehman, **S.Z. Siddiqui**, S.A.A. Shah, M. A. Lodhi, F.A. Khan, and B. Mirza. Novel bi-heterocycles as valuable anti-diabetic agents: 2-({5-((2-Amino-1,3-thiazol-4-yl)methyl)- 1,3,4-oxadiazol-2-yl}sulfanyl)-N-(substituted)acetamides. *Russ. J. Bioorg. Chem.* **46**(4), 590-598 (2020).**0.682**
- 150-M.A. Abbasi, M. Irshad, Aziz-ur-Rehman, **S.Z. Siddiqui**, M. Nazir, S.A.A. Shah, M. Shahid. Synthesis of promising antibacterial and antifungal agents: 2-[[{(4-Chlorophenyl)sulfonyl}](2,3-dihydro-1,4-benzodioxin-6-yl)amino]-N-(un/substituted-phenyl)acetamides. *Pak. J. Pharm. Sci.* **33**(5), 2161-2170 (2020). **0.562**
- 151-J. Javid, Aziz-ur-Rehman, M.A. Abbasi, **S.Z. Siddiqui**, J. Iqbal, N.A. Virk, S. Rasool, H.A. Ali, M. Ashraf, W. Shahid, S. Hussain, S.A.A. Shah. Comparative conventional and microwave assisted synthesis of heterocyclic oxadiazole analogues having enzymatic inhibition potential. *J. Heterocyclic Chem.* **58**, 93-110 (2021). **1.484**
- 152-F.M. Khan, M.A. Abbasi, Aziz-ur-Rehman, **S.Z. Siddiqui**, A.R.S. Butt, H. Raza, A. Zafar, S.A.A. Shah, M. Shahid, S.-Y. Seo. Convergent synthesis of carbonic anhydrase inhibiting bi-heterocyclic benzamides: Structure-activity relationship and mechanistic explorations through enzyme inhibition, kinetics and computational studies. *J. Heterocycl. Chem.* **58**, 1089-1103 (2021). **1.484**
- 153-A.R.S. Butt, M.A. Abbasi, Aziz-ur-Rehman, **S.Z. Siddiqui**, H. Raza, M. Hassan, S.A.A. Shah, and, S.-Y. Seo. Synthesis, kinetics, binding conformations and structure-activity relationship of potent tyrosinase inhibitors: Aralkylated 2-aminothiazole-ethyltriazole hybrids. *Iran. J. Pharm. Res.* **20**(2), 206-228 (2021) **1.505**
- 154-**S.Z. Siddiqui**, M. Arfan, M.A. Abbasi, Aziz-ur-Rehman, S.A.A. Shah, M. Ashraf, S. Hussain, R.S.Z. Saleem, R. Rafique, and K.M. Khan Synthesis, spectral evaluation and and *in silico* studies of *S*-Aralkylated 5-(4-methoxyphenyl)-4-phenyl-4*H*-1,2,4-triazole-3-thiols. *J. Chem. Soc. Pak.* **43** (6), 694-705 (2021) **0.300**
- 155-Kaniz Rubab, M.A. Abbasi, Aziz-ur-Rehman, **S.Z. Siddiqui**, M. Ashraf, A. Shaukat, I. Ahmad, M.A. Lodhi, F.A. Khan, M. Shahid, M.N. Akhtar, Synthesis, pharmacological evaluation and molecular docking studies of *N*-2-(1*H*-indol-3-yl)acetyl]arylsulfonohydrazides. *Pharm. Chem. J.*, **55** (7), 665-678, (2021) **0.538**
- 156-M. Nazir, M.A. Abbasi, Aziz-ur-Rehman, **S.Z. Siddiqui**, H. Raza, A. Zafar, S.A.A. Shah, M. Shahid, Synthesis, *in vitro*, and *in silico* studies of *N*-(substituted-phenyl)-3-(4-phenyl-1-piperazinyl)propanamides as potent alkaline phosphatase inhibitors. *Russ. J. Bioorg. Chem.* **47**(5), 1086-1096, (2021) **0.682**
- 157-Shakila, M.A. Abbasi, Aziz-ur-Rehman, **S.Z. Siddiqui**, M. Nazir, H. Raza, A. Zafar, S.A.A. Shah, M. Shahid, S.-Y. Seo. Multi-step synthesis of indole-*N*-ethyltriaz-ole hybrids amalgamated with *N*-arylated ethanamides: Structure-activity relationship and mechanistic explorations through tyrosinase inhibition, kinetics and computational ascriptions. *J. Mol. Struct.* **1261**, 132953 (2022) **3.841**
- 158-S. Ali, **S.Z. Siddiqui**, M.A. Abbasi, Aziz-ur-Rehman, S.A.A. Shah, K.M. Khan, R.S.Z. Saleem, S. Manzoor, M. Ashraf, and Zia-ur-Rehman. Synthesis and evaluation of novel 1, 2, 4-substituted triazoles for urease and anti-proliferative activity. *Pak. J. Pharm. Sci.* **35**(1), suppl. 209-217 (2022) **0.863**
- 159-M.A. Abbasi, M. Irshad, Aziz-ur-Rehman, **S.Z. Siddiqui**, S.A.A. Shah, and M. Shahid. Synthesis of novel *N*-(2,3-dihydro-1,4-benzodioxin-6-yl)-2-[[5-(un/substituted-phenyl)-1,3,4-oxadiazol-2-yl]sulfanyl]acetamides as potent antibacterial agents. *Pak. J. Pharm. Sci.* **35**(2), 447-456 (2022) **0.863**
- 160-M.A. Abbasi, M. Irshad, Aziz-ur-Rehman, **S.Z. Siddiqui**, S.A.A. Shah, and M. Shahid. *N*-Sulfonated derivatives of (2-furoyl)piperazine: Promising antibacterial agents with mild cytotoxicity. *Pak. J. Pharm.* **35**(2), 579-585 (2022) **0.863**
- 161-M.A. Abbasi, A. Anum, Aziz-ur-Rehman, **S.Z. Siddiqui**, M. Nazir, M. Ashraf, A. Noreen, and S.A.A. Shah. Synthesis of some new *N*-alkyl/aralkyl-*N*-(2,3-dihydro-1,4-benzodioxin-6-yl)-4-bromobenzenesulfonamides as possible therapeutic agents for Alzheimer's disease. *Pharm. Chem. J.* **56**(1), 61-70 (2022) **1.063**
- 162-M.A. Abbasi, M. Nazir, Aziz-ur-Rehman, **S.Z. Siddiqui**, R. Zulfiqar, S.A.A. Shah, R.S.Z. Saleem, M. Shahid, B. Mirza, and H. Ismail. Synthesis of some *N*-(un/substituted-phenyl)-2-(4-phenyl-1-piperazinyl)acetamides as possible antibacterial and anticancer agents with mild cytotoxicity. *Pharm. Chem. J.* **56**(2), 174-184 (2022) **1.063**
- 163-M.A. Abbasi, S. Parveen, Aziz-ur-Rehman, **S.Z. Siddiqui**, M. Irshad, S.A.A. Shah, M. Ashraf. Synthesis of 2-[2,3-dihydro-1,4-benzodioxin-6-yl(phenylsulfonyl) amino]-*N*-(un/substituted-phenyl) acetamides as anti-diabetic agents. *Trop. J. Pharm. Res.* **21**(11), 2411-2418 (2022) **0.523**
- 164-S. Qamar, K. Hussain, N.I. Bukhari, N. Shehzadi, S. Perveen, S. Chamun, E. Ali, M.A. Abbasi, and **S.Z. Siddique**. *In silico*, *in vivo* enzymatic, non-enzymatic toxicity and antioxidant activity of a heterocyclic compound: 5-Benzyl-1,3,4-oxadiazole-2-thiol, a potential drug candidate. *Pak. J. Pharm. Sci.* **35**(2), 595-603 (2022) **0.863**

- 165-S. Ali, **S.Z. Siddiqui**, K.M. Khan, M.A. Abbasi, Aziz-ur-Rehman, S.M. Saad, S.A.A. Shah, R.S.Z. Saleem, M. Ashraf. Synthesis, biological evaluation, and molecular docking study of novel 1,2,4-substituted triazoles as inhibitors of Alzheimer's disease. *J. Iran. Chem. Soc.* 35(2), 595-603 (2022) **2.271**
- 166-H. Amjad, M.A. Abbasi, **S.Z. Siddiqui**, J. Iqbal, S. Rasool, M. Ashraf, S. Hussain, S.A.A. Shah, S. Imran, M. Shahid, A. Rasool, M.T. Rehman, Aziz-ur-Rehman. *In vitro* and *in silico* assessment of bioactivity properties and pharmacokinetic studies of new 3,5-disubstituted-1,2,4-triazoles. *J. Mol. Struct.* **1275**, 134720 (2023) **3.841, W**
- 167-H. Raza, A.R.S. Butt, M.A. Abbasi, Aziz-ur-Rehman, **S.Z. Siddiqui**, M. Hassan, S.A.A. Shah, and S.J. Kim. 2-Aminothiazole-oxadiazole bearing *N*-arylated butanamides: Convergent synthesis, tyrosinase inhibition, kinetics, structure-activity relationship, and binding conformations. *Chem. Biodiversity* **20**(2), e202201019 (2023). **2.745, X**
- 168-N.A. Virk, J. Iqbal, Aziz-ur-Rehman, M.A. Abbasi, **S.Z. Siddiqui**, S. Rasool, Mehr-un-Nisa, M.A. Abid, H. Khalid, F. Zafar and H. Javaid. *In vitro* biological assesment of 1,3,4-oxadiazole sandwiched by azinae and acetamides supported by molecular docking and BSA binding studies. *Curr. Chem. Lett.* **12**(2), 353-368 (2023). , Y
- 169-M. Umair, Aziz-ur-Rehman, M.A. Abbasi, **S.Z. Siddiqui**, J. Iqbal, H. Khalid, S. Rasool, Mehr-un-Nisa, M.A. Abid, H. Khalid, S.U. Khan, and F. Zafar. Modular and computational access to innocuous multistep metal free synthesis of 1,3,4-oxadiazoles as enzyme inhibitors. *ACS Omega* **8**(13), 11952-11965 (2023) **4.132, W**
- 170-A.R.S. Butt, M.A. Abbasi, Aziz-ur-Rehman, **S.Z. Siddiqui**, S. Muhammad, H. Raza, S.A.A. Shah, M. Shahid, A.G. Alsehem, and S.J. Kim. Convergent synthesis, kinetics insight, and allosteric computational ascriptions of thiazole-(5-aryl)oxadiazole hybrids embraced with propanamides as alkaline phosphatase inhibitors. *RSC Advances* **13**(20), 13798-13808 (2023). **4.036, W**
- 171-**S.Z. Siddiqui**, M. Arfan, M.A. Abbasi, Aziz-ur-Rehman, S.A.A. Shah, R. Parveen, M. Ashraf, M. Solangi, S. Hussain, K.M. Khan. Design, synthesis of triazole-based scaffolds, *N*-(substitutedphenyl)-2-(5-(4-methoxyphenyl)-4-phenyl-4*H*-1,2,4-traizol-3-ylthiol)acetamides: As potential anti-cholinesterase agents for neurodegenerative diseases. *J. Mol. Struct.* **1289**, 135885 (2023). **3.841, W**
- 172-M.A. Abbasi, K. Rubab, Aziz-ur-Rehman, **S.Z. Siddiqui**, M. Hassan, H. Raza, S.A.A. Shah, M. Shahid, and A. Kloczkowski. Synthesis and molecular docking studies of novel bi-heterocyclic propanamides as antidiabetic agents having mild cytotoxicity. *ACS Omega* **8**(25), 22899-22911 (2023). **4.132, W**
- 173-M. Arfan, **S.Z. Siddiqui**, M.A. Abbasi, Aziz-ur-Rehman, S.M. Saad, S.A.A. Shah, M. Ashraf, S. Hussain, F. Ali, M. Solangi, K.M. Khan. Innovative cholinergic saffolds, synthesis of substituted 1,2,4-triazole-3ylthio-*N*-acetamides and their *in silico* studies: supplement against neurodegenerative disease. *J. Iran. Chem. Soc.* **20**(6), 1307-1321 (2023). **2.271, X**
- 174-M.A. Abbasi, H. Raza, Aziz-ur-Rehman, **S.Z. Siddiqui**, S. Muhammad, F.M. Khan, S.A.A. Shah, Abdullah G. Al-Sehemi, and S.J. Kim. Synthesis and computational exploration of morpholine bearing halogenated sulfonamides as potential tyrosinase inhibitors. *Chem. Biodivers.* **20**(9), e202300257 (2023). **2.745, X**

<u>Citations</u>	1149
<u>h-index</u>	18
<u>i10-index</u>	35
105 ; I. F = 144.234	