



## Dr. Shafiullah Khan

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### Director Students Affair

<b>Personal Information</b>	Date of Birth:	16-08-1981	
	Marital Status:	Married	
	Nationality:	Pakistani	
	N.I.C #:	11201-1902982-5	
	Passport No:	HX4109821	
<b>Education</b>	<b>Year</b>	<b>Degree</b>	
	2013-2015	Postdoc (CAEM), Beijing University of Chemical Technology, China.	
	2009	Ph. D (Organic & Bio-Organic Chemistry) Pakistan & U.S.A	
	2003	M. Sc (Organic Chemistry) Pakistan	
	2001	B. Sc	
	1999	F. Sc	
	1997	S.S.C	
<b>Achievements</b>	<b>Year</b>	<b>Achievements</b>	
	2004	Indigenous 5000 fellowship of Higher Education Commission of Pakistan.	
	2006	International Research Support Initiative Program (IRSIP) Scholarship, Awarded by Higher Education Commission of Pakistan for <b>University of California, Irvine, U.S.A.</b>	
	2009	Assistant Professor, Department of Chemistry, University of Science & Technology, Bannu, Pakistan.	
	2010 up to now	Assistant Professor, Institute of Chemical Sciences, Gomal University, D.I.Khan, Pakistan.	
	2013-2015	Postdoctoral Fellowship from Chinese Government at <b>Beijing University of Chemical Technology, Beijing, China.</b>	
<b>Language Skills</b>	<b>Language</b>	<b>Written</b>	<b>Spoken</b>
	English	Excellent	Excellent
	Urdu	Excellent	Excellent

<b>Ph. D Title</b>	Phytochemical investigations on constituent of <i>cotoneaster racemiflora</i> Desf & <i>Buddleja crispa</i> Benth along with the synthesis of macrocyclic $\alpha$ -sheet peptides.	
<b>Research Interest</b>	<p><b>2005-2016</b></p> <ul style="list-style-type: none"> <li>◆ Functional Polymers/Bio-based Polymers</li> <li>◆ Nanocomposites</li> <li>◆ Organic &amp; Bio-Organic Chemistry</li> <li>◆ Natural Product Isolation and Synthesis</li> </ul> <p><b>2013-2015</b></p> <p>Recently, I have completed my Postdoc study which is based on functional Polymers/bio-based Polymers synthesis and green synthesis of Silver and Gold nanoparticles using medicinal plants in the College of Material Science, Beijing University of Chemical Technology, Beijing, China.</p>	
<b>Training International Courses, Seminar &amp; Workshops</b>	<p><b>International</b></p> <p>Course on X-Ray Crystallography by Dr. Masood Parveez of Calgary University <b>Canada</b>.</p> <p>Worked on “Un natural synthesis of amino acid, “Tau peptide” that inhibit the aggregation of Alzheimer’s disease, at University of California, Irvine, <b>U.S.A</b>.</p> <p>Course on “<i>NMR Concept</i>” by Dr. Daniel D. Traficant of Rhode University <b>Island</b>.</p> <p>Recently, I worked on Bio-based Elastomer synthesis in the college of material science, Beijing University of Chemical Technology, <b>China</b></p>	
	<b>National</b>	<ol style="list-style-type: none"> <li>1. 10<sup>th</sup> International symposium on Natural Product Chemistry (Jan.2006), held at HEJ Research Institute of Chemistry University of Karachi, Pakistan.</li> <li>2. Oral Presentation at 1<sup>st</sup> National Conference on Recent Innovation in Medicinal Chemistry &amp; Bio-Chemistry held at University of Science &amp; Technology, Bannu, Pakistan (2018)</li> </ol>

### Ph. D Research Students Supervised

S. No	Name of Student	Thesis Title	HEC Funded	Year/Status
1	Mr. Dilfaraz Khan	Phytochemical and structural studies on the constituents of <i>Lonicera Quniquelocularis</i> along with the synthesis of Tetracene	Yes	2015/awarded
2	Mr. Masood Afzal	Bioassay guided isolation and structural elucidation of <i>Mallotus Philippensis</i> Muell.	Yes	2016/awarded
3	Mr. Farman Ali	Isolation and structural studies on the bioactive constituents of <i>Bergenia ciliate</i> and synthesis, spectral characterization and antibacterial study of a Schiff base metal complexes	No	2016/awarded

## M. Phil Research Students Supervised

S. No	Name of Student	Thesis Title	HEC Funded	Year/Status
1	Ms.Nasima Akhtar	Isolation of bioactive chemical constituents from ethyl acetate fraction of <i>Cirsium arvense</i>	No	2016/awarded
2	Ms. Zahida Aftab	Isolation and structural studies on the bioactive constituents of <i>Cassia fistula</i>	No	2017/awarded
3	Ms. Irum Nosheen	Green synthesis of silver nanoparticles using <i>Mallotus phillipensis</i>	No	2017/awarded
4	Ms. Bushra	Investigation of the chemical constituents of <i>Bauhinia variegata</i>	No	2018/awarded
5	Ms. Maria Iqbal	Studies on the chemical constituents of <i>Olea europaea</i>	No	2018/awarded

### Editor

1. Editorial member of *American Journal of Chemistry and Application*
2. Editorial member of *American Journal of Pharmacy and Pharmacology*
3. Editorial member of *VFAST transactions on Organic Chemistry*
4. Editorial member of *Universal Journal of Chemistry*
5. Editorial member of *American Journal of Science and Technology*

### Book

“*Concept of Natural Product Chemistry*” **Shafiullah Khan**, Lambert Academic Publishing, Saarbrücken, **Germany** (2012).

### PUBLICATIONS

1. Muhammad Shakeel, Baoshan Li, Muhammad Arif, Gulam Yasin, Wajid Rehman, Arifullah Khan, **Shafiullah Khan**, Abrar Khan, Jawad Ali.  
Controlled Synthesis of highly proficient and durable hollow hierarchical heterostructured (Ag-AgBr/HHST): A UV and Visible light active photocatalyst in degradation of organic pollutants  
*Applied Catalysis B: Environmental*, 227, pp: 433-445 (2018)
2. Bushra, Dil Faraz Khan, Hamidullah, **Shafiullah Khan\***  
Isolation & Characterization of Two New Compounds from the Plant *Bauhinia Variegata*  
*Indo American Journal of Pharmaceutical Sciences*, 5 (2), pp: 862-867 (2018)
3. Arshad Farid, Bashir Ahmad, Khalijah Awang, Kashif Bashir, Imran Khan, Jamshaid Ahmad, Yaqoob ur Rehman, Farah Gul, Shafaatullah, **Shafiullah Khan**  
Antifungal and phytotoxic properties of crude methanolic extract and various fractions from *Strobilanthes urticifolia* wall. Ex kuntze  
*Indo American Journal of Pharmaceutical Sciences*, 5 (2), pp: 1059-1063 (2018)

4. **Shafiullah Khan** , Wang Runguo, Kamran Tahir, Zhang Jichuan, Liquan Zhang\*  
Catalytic reduction of 4-nitrophenol and Photo inhibition of *Pseudomonas aeruginosa* using Gold nanoparticles as photocatalyst  
Journal of Photochemistry & Photobiology, B: Biology 170, pp: 181–187 (2017)
5. Abdul Khabir, Farmanullah Khan, Zia Ul Haq, Zakir Khan, **Shafiullah Khan\***  
Two new antioxidant anthraquinones namely Obtusifolate A and B from *Rumex obtusifol*  
International Journal of Biosciences, 10, (4), pp: 49-57, (2017)
6. Arshiya Iqbal, Farmanullah Khan, Syed Badshah, Masood Afzal, Liquan Zhang, Wang Zhao, Kamran Tahir, **Shafiullah Khan\***  
Green synthesis of Silver nanoparticles using *Lonicera quinquelocularis* leaf extract exhibits antibacterial and antioxidant activities.  
International Journal of Biosciences, 10, (5), pp: 116-127, (2017)
7. Abdul Khabir, Farman Khan, Masood Afzal, Zia Ul Haq, Malik Amanullah, Fawad Ali, M. Qasir, **Shafiullah Khan\***  
Antimicrobial efficacy and cytotoxic screening of dichloromethane sub fraction of *Rumex obtusifolius*. Asian Journal of Chemistry, 29 (2), pp: 367-370 (2017)
8. Abdul Khabir, Farmaullah Khan, Zia UL haq, Malik amnullah, Fawad ali, **Shafiullah Khan\***  
Two new antioxidant anthraquinones namely Obtusifolate C & D from *Rumex obtusifolius*  
International Journal of Biosciences, 10, (5), pp: 139-145, (2017)
9. Arshad Farid, Bashir Ahmad, Muhammad Yasin, Fazal Haq, Muhammad Bilal Khan, **Shafiullah Khan\***  
Haemagglutination and Antibacterial activities of *Strobilanthes urticifolia* wall ex. Kuntze  
Internal Journal of Biosciences, 11 (4), 35-40 (2017)
10. Arshad Farid, Bashir Ahmad, Kashif Bashir, Yaqoob ur Rehman, **Shafiullah Khan**  
Thrombolytic and allelopathic activities of medicinal plant: *Strobilanthes urticifolia* Wall. Ex Kuntze.  
Internal Journal of Biosciences, 11 (6), 39-44 (2017)
11. **Shafiullah Khan**, Zhao Wang, Runguo Wang and Liquan Zhang\*  
Synthesis and Structure Design of New Bio-Based Elastomers *via* Thiol-ene-Click Reactions  
Materials Science & Engineering C 67, pp: 554-560 (2016)
12. Arif Ullah Khan, Qipeng Yuan, Yun Wei, Gul Majid Khan, Zia Ul Haq Khan, **Shafiullah Khan**, Farman Ali, Kamran Tahir, Aftab Ahmad, Faheem Ullah Khan  
Photocatalytic and antibacterial response of biosynthesized gold nanoparticles  
Journal of Photochemistry & Photobiology, B: Biology 162, pp: 273–277 (2016)
13. Kamran Tahir, Aftab Ahmad, Baoshan Li, Arif Ullah Khan, Sadia Nazir, **Shafiullah Khan**, Zia Ul Haq Khan, Shahab Ullah Khan  
Preparation, characterization and an efficient photocatalytic activity of Au/TiO<sub>2</sub> nanocomposite prepared by green deposition method  
Materials Letters 178, pp: 56–59 (2016)
14. Aftab Ahmad, Yun Wei, Fatima Syed, **Shafiullah Khan**, Gul Majid Khan, Kamran Tahir, Arif Ullah Khan, Muslim Raza, Faheem Ullah Khan, Qiping Yuan\*

Isatis tinctoria mediated synthesis of amphotericin B-bound silver nanoparticles with enhanced photoinduced antileishmanial activity: A novel green approach  
Journal of Photochemistry & Photobiology, B: Biology 161, pp: 17-24 (2016)

15. Farmanullah Khan, Fatima Syed, Arshiya Iqbal, ZiaUlHaq Khan,Hamidullah, **Shafiullah Khan\***  
Synthesis, Spectral Characterization and Antibacterial Study of a Schiff Base Metal Complexes Derived from 4-Bromo-N-[(E)-(5-chloro-2-hydroxyphenyl) methylidene]benzene-sulfonamide. Asian Journal of Chemistry, 28 (8), 1658-1660 (2016)
16. Arif Ullah Khan, Qipeng Yuan, Yun We, Kamran Tahir, Aftab Ahmad, **Shafiullah Khan**, Sadia Nazir, Faheem Ullah Khan  
Ultra-efficient photocatalytic deprivation of methylene blue and biological activities of biogenic silver nanoparticles.  
Journal of Photochemistry & Photobiology, B: Biology 159, pp: 49–58 (2016)
17. Fatima Syed, M. Javid Asad, Khurshid Ali, Muhammad Gulfaraz, Aftab Ahmad, Zahid Khan, Muhammad Imran, Raheela Taj and **Shafiullah Khan\***  
Optimization of Various Parameters for Maximum Production of Glucoamylaze by Neurospora sitophila. Asian Journal of Chemistry, 28(3), pp: 669-674 (2016)
18. Farman Khan, Fatima Syed, Abdul Khabir, Abdul Rauf, Zia Ul Haq, Masood Afzal, Malik Amanullah, Ali Author Hussain, **Shafiullah Khan\***  
Isolation, Antioxidant and Anti-fungal activities of two newly reported compounds from *Bergenia ciliata*. Asian Journal of Chemistry 28 (9), pp: 1917-1920 (2016)
19. Farman Khan, Muhammad Akram, Abdul Khabir, Abdul Rauf, Zia Ul Haq, Masood Afzal, Malik Amanullah, Zakir Khan, **Shafiullah Khan\***  
Synthesis, Characterization and antibacterial activities of some Schiff bases prepared from 3-hydroxy-2-nepthaldehde and Phenyl Methanamine derivatives  
Asian Journal of Chemistry 28 (9), pp: 1925-1928 (2016)
20. Dilfaraz Khan, **Shafiullah Khan**, Azim Khan Khattak, Hazrat Ali, Syed Badshah  
Antifungal and Phytotoxic activities of ethyl acetate soluble fraction and purified compound (Ethyl 3-hydroxy 5-methoxy 4-methylbenzoate) from *Lonicera quinquelocularis*  
Asian Journal of Chemistry 28 (9), 2001-2003 (2016)
21. Dilfaraz Khan, **Shafiullah Khan\***, Syed Badshaha, Hazrat Ali, Hamidullah, Zia Muhammad and Simon Woodward  
New furocarbazole alkaloids from *Lonicera quinquelocularis*, Natural Product Research, 30 (1), 74-78 (2016)
22. Kamran Tahir, Baoshan Li, **Shafiullah Khan**, Sadia Nazir, Ziaulhaq khan and Arifullah khan  
Enhanced chemocatalytic reduction of aromatic nitro compounds by biosynthesized gold nanoparticles  
Journal of Alloys and Compounds, 651, pp: 322-327 (2015)
23. Masood Afzal, Liqun Zhang, Russell J. Cox, Nawshad Muhammad and **Shafiullah Khan\***  
Isolation of two new Mallotoates with antifungal and radical scavenging activities from *Mallotus Phillipensis* mull  
Asian Journal of Chemistry, 27 (10), pp: 3891-3894 (2015)

24. Farmanullah Khan, **Shafiullah Khan\***, Ali Athar, Wasim Ahmed, Zia Ul Haq  
Synthesis, Spectral characterization and antibacterial study of a Schiff Base Metal Complexes derived from N-[(E)-5-chloro-2-Hydroxyphenyl]-Methylidene-4-Nitrobenzenesulfonamide  
American-Eurasian Journal of Agricultural & Environmental Sciences 15(2) pp: 216-219 (2015)
25. Abdul Samad, Muhammad Adeel, Dilfaraz Khan, Syed Badshah, **Shafiullah Khan**, Jane Hanrahan  
Two new bioactive furoquinoline alkaloids from zanthoxylum  
Asian Journal of Chemistry, 27 (7) pp: 2468-2472 (2015)
26. Zia Ul Haq Khan, Arifullah Khan, Yongmei Chen, **Shafiullah Khan**, Pingyu wan and Xin Jin  
Electrochemical oxidation of catechols in the presence of 4-mercapto-benzoic acid, to synthesis sulfanyl compounds and their biological studies  
Tetrahedron, 71, pp: 1674-1678 (2015)
27. Farman Khan, Syed Badshah, Wang Zhao, Runguo Wang and **Shafiullah Khan\***  
Isolation and antimicrobial efficacy tests of *Bergenia ciliate* using in vitro models  
African Journal of Pharmacy and Pharmacology, 9 (20) pp: 547-552 (2015)
28. **Shafiullah Khan**, Wang Zhao, Runguo Wang, Liqun Zhang\*  
Horizontoates A C: New cholinesterase inhibitors from *Cotoneaster horizontalis*.  
Phytochemistry Letters 10, pp: 204-208 (2014)
29. Zia Ul Haq Khan, Arif Ullah Khan, Pingyu Wan, Yongmei Chen, Dandan Kong, **Shafiullah Khan & Kamran Tahir**.  
*In vitro* pharmacological screening of three newly synthesised pyrimidine derivatives  
Natural Product Research 28, pp: 1-6 (2014).
30. Zia Ul Haq Khan, Yongmei Chen, **Shafiullah Khan**, Dandan Kong, Mo Heng Liang, Pingyu Wan, Xin Jin.  
Electrochemical Initiation of Nucleophilic Substitution of Hydroquinone with 4, 6-Dimethylpyrimidine-2-thiol.  
International Journal of Electrochemical Science 9, pp: 4665-4674 (2014)
31. Dilfaraz Khan, Masood Afzal, Farman Ali and **Shafiullah Khan\***  
New Cholinesterase Inhibitory Constituents from *Lonicera quinquelocularis*.  
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32. Dilfaraz Khan, Masood Afzal, Simon Woodward and **Shafiullah Khan\***  
Two new antioxidant Triterpenoids from *Lonicera quinquelocularis*.  
Record of Natural Product 8 (2), pp: 121-127 (2014)
33. Shahnoor, DilFaraz Khan, Mushtaq Ahmed, Rahmat Ali Khan, **Shafiullah Khan\***  
Determination of antifungal and phytotoxic activities of three different fractions of *Lonicera quinquelocularis* (Translucent Honeysuckle) plant  
Journal of Pharmacognosy & Phytochemistry 2 (6), pp: 167-172 (2014).
34. Zaher Shah, Farman Ali, Hidayatullah, Dilfaraz Khan, **Shafiullah Khan & Irshad Ali**  
Biological Screening and Chemical Constituents of *Viburnum grandiflorum*  
Journal of Chemical Society of Pakistan 36 (1), pp: 113-118 (2014)
35. Kamran Tahir, Sadia Nazir, Naijin Wu, Arifullah Khan, Qin Jing and **Shafiullah Khan\*** Cholinesterase Inhibitory Assay and Antimicrobial Effect of Four Constituents of *Lonicera quinquelocularis* Against Gram Positive and Gram Negative Bacteria.

Global Journal of Pharmacology 8 (2) pp: 221-227 (2014).

36. Amjad Khan, Zia Ul Haq Khan, Pingyu Wan, Yongmei Chen, Don Don Kong, Mo Heng Liang, Karman Tahir, ArifUllah Khan, Sadia Nazir and **Shafiullah Khan\***  
*In vitro* potential antimicrobial activities of medicinal plants, *Cirsium arvense* and *Cirsium japonicum*  
African Journal of Plant Sciences Vol: 8 (2), pp: 84-91 (2014)
37. Fatima Syed, Raheela Taj, Nusrat Shaheen, Musarat Norin and **Shafiullah Khan\***  
Latent natural product and their potential application as anti- infective agents  
American Journal of Biomedical sciences, 6 (1), pp: 11-19 (2014)
38. Sadia Nazir, Wang Zhao, Kamran Tahir, Qin jing and **Shafiullah Khan\***  
*In vitro* Antimicrobial Activity of the Chemical Ingredients of *Ranunculus hirtellus*  
Global Journal of Pharmacology 8 (1), pp: 53-59 (2014)
39. Zia Ul Haq Khan, **Shafiullah Khan\***, Yongmei Chen, Sadaf Ul Hassan, Pingyu Wan.  
Natural Products – New Antimicrobial Constituents Derived from *Cerium arvense*  
International Journal of Plant Research 4(1), pp: 5-10 (2014)
40. Dilfaraz Khan, Wang Zhao, Saeed Ahmad and **Shafiullah Khan\***  
New antioxidant and cholinesterase inhibitory constituents from *Lonicera quinquelocularis*.  
Journal of Medicinal Plant Research Vol: 8 (6), pp: 313-317 (2014)
41. Masood Afzal, Zhao Wang, Farman ali, Zhongshu Song, Russel Cox and **Shafiullah Khan\***  
Preliminary phytochemical screening and antimicrobial activities of various fractions of  
*Mallotus philippensis* Muell.  
Journal of Medicinal Plant Research Vol: 7 (41), pp: 3066-3070 (2013)
42. Sadia Nazir, Baoshan Li, Kamran Tahir, A. Khan, Zia Ul Haq Khan and **Shafiullah Khan\***  
Antimicrobial activity of five constituents isolated from *Ranunculus muricatus*.  
Journal of Medicinal Plant Research Vol: 7 (47), pp: 3438-3443 (2013)
43. Farman Ali, Masood Afzal, **Shafiullah Khan** and Irshad Ali.  
Two new Cholinesterase inhibitors asiatoats A and B from *Buddleja asiatica*.  
Journal of Asian Natural Product Research Vol: 15 (6) pp: 631-637 (2013)
44. Fatima Syed, Rifat Jahan, Aftab Ahmed and **Shafiullah Khan\***  
*In vitro* antimicrobial activities of *Glycyrrhiza glabra* and *Fagonia Arabica*.  
Journal of Medicinal Plants Research Vol:7 (10) pp:2265-2270 (2013)
45. Zia Ul Haq Khan, **Shafiullah Khan**, Yongmei Chen and Pingyu Wan.  
*In vitro* antimicrobial activity of the chemical constituents of *Cirsium arvense*  
Journal of Medicinal Plants Research Vol:7 (25) pp:1894-1898 (2013)
46. **Shafiullah Khan\*** and Fatima Syed. Bioactive constituents from Genus *Otostegia*  
SARJ of Physical Science, 1, pp: 15-25 (2012)
47. Jing Zheng, Cong Liu, Michael R. Sawaya, Balraju Vadla, **Shafiullah Khan**, R. J. Woods, David Eisenberg, Warren J. Goux & James S. Nowick\* Macrocylic -Sheet Peptides that Inhibit the Aggregation of a Tau-Protein-Derived Hexapeptide  
J. Am. Chem. Soc. 133, pp: 3144-3157 (2011)
48. Zia ul Haq Khan, Farman Ali, **Shafiullah Khan** & Irshad Ali.  
Phytochemical study on the constituents from *Cirsium arvense*.  
Mediterranean Journal of Chemistry, 2, pp: 64-69 (2011)
49. **Shafiullah Khan**, N. Riaz, A.U.Rehman, Nighat Afza, L.Iqbal, M. Lateef & Abdul Malik.  
Antioxidant constituents from *Cotoneaster racemiflora*  
Journal of Asian Natural Product Research, 11 (1) pp: 44-48 (2009)

50. **Shafiullah Khan**, S. Yasmeen, N. Afza, & Abdul Malik.  
A and B, New aromatic esters from *Cotoneaster racemiflora*.  
Journal of Z- Natureforsch 63 b, pp: 1219-1222, (2008)
51. **Shafiullah Khan**, A.Rehman, N.Riaz, N.Afza, A.Malik. Phytochemical investigation on *Cotoneaster racemiflora*.  
Journal of Chemical Society Pakistan 29 (6),pp: 620-623 (2007)
52. N.Riaz, S.A.Nawaz, N.Mukhtar, A.Malik, N.Afza, S.Ali, **Shafiullah Khan**, Pir Muhammad & M.I.Chaudhary.  
Isolation and enzyme-inhibition studies of the chemical constituents from *ajuga bracteosa*.  
Chemistry & Biodiversity 4, pp: 72-83 (2007)
53. I. Ahmed, H.Anis, I. Fatima, A. Malik, **Shafiullah Khan**, N.Afza, R.Bukshs, M.A.Lodhi & M.I.Chaudhary  
Two new protease- inhibiting Glycosphing Olipids from *Buddleja Crispa*.  
Chemistry & Biodiversity, 4 (5), pp: 917-924 (2007)

## **REFERENCES**

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### **Dr. Liqun Zhang**

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