

Curriculum Vitae

Dr. Fareeda Athar

Professor

Medicinal Chemistry

Centre for Interdisciplinary Research in Basic Sciences

Jamia Millia Islamia

New Delhi-25, India

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Positions Held

| | |
|----------------|--|
| 2022-till date | Professor |
| 2019- 2022 | Associate Professor, Jamia Millia Islamia |
| 2007-2019 | Assistant Professor, Jamia Millia Islamia |
| 2003-2007 | Research Associate, Through C.S.I.R. (Council of scientific and Industrial Research), under the supervision of Dr. Amir Azam, Professor at Department of Chemistry, Jamia Millia Islamia, New Delhi. |

Publications

1. Md Amjad Beg, Shivangi, Obaid Afzal, Md Sayeed Akhtar, Abdulmalik S A Altamimi, Afzal Hussain, Md Ali Imam, Mohammad Naiyaz Ahmad, Sidharth Chopra, Fareeda Athar, Potential Efficacy of β -Amyrin Targeting Mycobacterial Universal Stress Protein by In Vitro and In Silico Approach, *Molecules*, 2022 Jul 18;27(14):4581, doi: 10.3390/molecules27144581.
2. Singh P, Arora S, Beg MA, Sahoo S, Nayek A, Khan MM, Sinha A, Malik MZ, Athar F, Serajuddin M, Dohare R, Syed MA., Comprehensive multiomics and in silico approach uncovers prognostic, immunological, and therapeutic roles of ANLN in lung adenocarcinoma, *Funct Integr Genomics*, 2023 Jul 6;23(3):223. doi: 10.1007/s10142-023-01144-7.
3. Beg MA, Sadaf, Shamsi A, Sahoo S, Yousuf M, Najm MZ, Almutawif YA, Islam A, Aloliqi AA, Athar F., Mechanistic Insight into the Enzymatic Inhibition of β -Amyrin against Mycobacterial Rv1636: In Silico and In Vitro Approaches, *Biology (Basel)*, 2022 Aug

12;11(8):1214. doi: 10.3390/biology11081214.

4. Sharma K, Singh P, Amjad Beg M, Dohare R, Athar F, Ali Syed M., Revealing new therapeutic opportunities in hypertension through network-driven integrative genetic analysis and drug target prediction approach, *Gene*, 2021 Oct 30:801:145856., doi: 10.1016/j.gene.2021. 145856. Epub 2021 Jul 19.
5. Iram Iqbal Hejazi, Md. Amjad Beg, Md. Ali Imam, Fareeda Athar, Asim Islam, Glossary of phytoconstituents; Can these be repurposed against SARS CoV-2? A quick In-silico screening of various phytoconstituents from plant *Glycyrrhiza glabra* with SARS CoV-2 main protease, *Food and Chemical Toxicology*, 150, 2021, 112057. Impact factor. 4.6, ISSN ; 0278-6915. UGC care listed.
6. Md. Amjad Beg, Sevindik M, Haider ST, Soni P, Bhatia P, Hasan S, Yadav R, Fareeda Athar. Molecular basis and integrative analysis of Rv1463 as probable conserved ATP-binding protein by computational approach. *J. Fac. Pharm. Ankara / Ankara Ecz. Fak. Derg.*, 45(2): 00-00, 2021. Doi: 10.33483/jfpau.866876 [Scopus]
7. Md. Amjad and Fareeda Athar, Identification and evaluation of *Calotropis procera* phytochemicals against novel protein PE_PGRS 16 from *Mycobacterium tuberculosis* H37Rv. *The Egyptian Journal of Chest Diseases and Tuberculosis*. 70 (2)175-182. 2021 Doi 10.4103/ejcdt.ejcdt_63_20.
8. Md. Amjad Beg, Iram Iqbal Hejazi, Sonu Chand Thakur, Fareeda Athar, Domain-wise differentiation of *Mycobacterium tuberculosis* H3-Rv hypothetical proteins: A roadmap to discover bacterial survival potentials. *Biotechnology and Applied Biochemistry*, In press. Impact factor-1.6, ISSN No. 1470-8744. UGC care listed.
9. Bushra Khan, Abdullah Naiyer, Fareeda Athar, Shakir Ali, Sonu Chand Thakur, Synthesis, Characterization and anti-inflammatory activity evaluation of 1,2,4-triazole and its derivatives as a potential scaffold for the synthesis of drugs against prostaglandin-endoperoxide synthase., *Journal of Biomolecular Structure and Dynamics*, 39(2), 2021, 457-475. Impact factor 3.5, ISSN; 0739-1102 Online ISSN; 1538-0254. UGC care listed.
10. Abdulmalik.Saleh.Alfawaz Altamimi, Sandhya Bawa, Fareeda Athar, Md. Quamrul Hassan, Yassine Riadi, Obaid Afzal, Pyrrolidin-2-one linked benzofused heterocycles as novel small molecule monoacylglycerol lipase inhibitors and antinociceptive agents. *Chemical Biology and Drug Design*, 96, 2020, 1418-1432. Impact factor-2.5, ISSN no- 1747-0285.

11. Md. Amjad Beg, Qureshi H and Fareeda Athar. Exploring the potential of *Calotropis procera* Ait. (Asclepiadaceae) phytochemicals against *S. aureus* TyrRS. *J Microbiol Biotechnol* 2020, 5(3): 000170. DOI: 10.23880/oajmb-16000170 [ISSN: 2576-7771]
12. Md. Amjad Beg, Ansari S, Fareeda Athar. Molecular docking studies of *Calotropis gigantea* phytoconstituents against *Staphylococcus aureus* tyrosyl-tRNA synthetase protein. *J Bacteriol Mycol Open Access*. 2020;8(3):78-91. DOI: 10.15406/jbmoa.2020.08.00278 [eISSN: 2469-2786]
13. Arshad M, Beg MA, Bhat AR and Fareeda Athar. 4-Substituted-(1H-pyrazol-3-yl)-methyl Tetrazolo-[1,5-*b*] Quinoline Analogues: Synthesis, ADME Prediction, Molecular Docking and In vitro Antimicrobial and Cytotoxic Activity Evaluation," *Chem Sci Trans.*,2020,9(3), pp 112-137. DOI:10.7598/cst2020.2020008 [ISSN: 2278-3318 (Online); ISSN:2278-3458 (Print)]
14. Md. Amjad Beg, Sonu Chand Thakur, Fareeda Athar. (2020) Molecular modeling and in silico characterization of mycobacterial Rv3101c and Rv3102c proteins: prerequisite molecular target in cell division. *Pharm Pharmacol Int J*. 8(4):234-243. DOI: 10.15406/ppij.2020.08.00300 [eISSN: 2379-6367]
15. Md. Amjad Beg, Fareeda Athar. (2020) Computational method in COVID-19: Revelation of Preliminary mutations of RdRp of SARS CoV-2 that build new horizons for therapeutic development. *J Hum Virol Retrovirolog*. 8(3):62-72. DOI: 10.15406/jhvrv.2020.08.00223 [eISSN: 2373-6473]
16. Md. Amjad Beg, Sonu Chand Thakur, Fareeda Athar. (2020) Computational annotations of mycobacterial Rv3632 that confers its efficient function in cell wall biogenesis. *J Bacteriol Mycol Open Access*. 8(2):46-53. DOI: 10.15406/jbmoa.2020.08.00272 [eISSN: 2469-2786]
17. Md. Amjad Beg, Fareeda Athar. (2020) Anti-HIV and Anti-HCV drugs are the putative inhibitors of RNA-dependent-RNA polymerase activity of NSP12 of the SARS CoV- 2 (COVID-19). *Pharm Pharmacol Int J*. 8(3):163-172. DOI: 10.15406/ppij.2020.08.00292 [eISSN: 2379-6367]
18. Md. Amjad Beg, Fareeda Athar. (2020) Pharmacokinetic and molecular docking studies of *Achyranthes aspera* phytochemicals to exploring potential anti-tuberculosis activity. *J Bacteriol Mycol Open Access*. 8(1):18-27. DOI: 10.15406/jbmoa.2020.08.00268
19. Rashmin Khanam, Iram Iqbal Hejazi, Syed Shahabuddin, Abdul Roouf Bhat, Fareeda Athar, Pharmacokinetic evaluation, molecular docking and in vitro biological evaluation of 1, 3, 4-

- oxadiazole derivatives as potent antioxidants and STAT3 inhibitors, *Journal of Pharmaceutical Analysis*, 9, 2, April 2019, 133-141. Impact Factor.
20. Rashmin Khanam, Raj Kumar, Iram Iqbal Hejazi, Syed Shahabuddin, Ramovatar Meena, Paulraj Rajamani, Nitin Yadav, Asif Iqbal Bhat, New N-benzhydrylpiperazine/1,3,4-oxadiazoles conjugates inhibit the proliferation, migration, and induce apoptosis in HeLa cancer cells via oxidative stress-mediated mitochondrial pathway. *J Cell Biochem*. 2018 Sep 11. doi: 10.1002/jcb.27472.
 21. Md. Amjad Beg, Fareeda Athar and Laxman S. Meena (2019) Significant aspect of Rv0378 gene of *Mycobacterium tuberculosis* H37Rv reveals the PE_PGRS like properties by Computational approaches. *J Biotechnol Biomed*, 2(1); 024-039. DOI: 10.26502/fibb007.
 22. Md. Amjad Beg, Shivangi, Fareeda Athar, Meena LS, (2018) Structural And Functional Annotation Of Rv1514c Gene Of *Mycobacterium tuberculosis* H37Rv As Glycosyl Transferases. *J Adv Res Biotech* 3(2):1-9. DOI: 10.15226/2475-4714/3/2/00139.
 23. Khanam R, Kumar R, Hejazi II, Shahabuddin S, Meena R, Jayant V, Kumar P, Bhat AR, Athar F., Piperazine clubbed with 2-azetidinone derivatives suppresses proliferation, migration and induces apoptosis in human cervical cancer HeLa cells through oxidative stress mediated intrinsic mitochondrial pathway., *Apoptosis*. 2018 Feb;23(2):113-131.
 24. Hejazi II, Khanam R, Mehdi SH, Bhat AR, Rizvi MMA, Thakur SC, Athar F. Antioxidative and anti-proliferative potential of *Curculigo orchioides* Gaertn in oxidative stress induced cytotoxicity: In vitro, ex vivo and in silico studies. *Food Chem Toxicol*. 2018 May;115:244-259.
 25. Kamal Ahmad, Hafeez ZB, Abdul Roouf Bhat, Rizvi MA, Sonu Chand Thakur, Amir Azam, Fareeda Athar. Antioxidant and apoptotic effects of *Callistemon lanceolatus* leaves and their compounds against human cancer cells. *Biomed Pharmacother*. 2018 Oct;106:1195-1209.
 26. Mohammad Arshad, , Abdul Roouf Bhat , Kwon Kang Hoi , Inho Choi , Fareeda Athar*, Synthesis, characterization and antibacterial screening of some novel 1,2,4-triazine derivatives, *Chinese Chemical Letters*, Volume 28, Issue 7, July 2017, Pages 1559-1565
 27. Kamal Ahmad, Abdul Roouf Bhat and Fareeda Athar. Pharmacokinetic Evaluation of *Callistemon viminalis* Derived Natural Compounds as Targeted Inhibitors Against μ -Opioid Receptor and Farnesyl Transferase, *Letters in Drug Design and Discovery*, 14(4): 2017, 488-499.

28. Hejazi II, Khanam R, Mehdi SH, Bhat AR, Moshahid Alam Rizvi M, Islam A, Thakur SC, Fareeda Athar. New insights into the antioxidant and apoptotic potential of Glycyrrhiza glabra L. during hydrogen peroxide mediated oxidative stress: An in vitro and in silico evaluation. *Biomed Pharmacother.* 2017 Oct;94:265-279.
29. Khanam R, Ahmad K, Hejazi II, Siddique IA, Kumar V, Bhat AR, Azam A, Fareeda Athar, Inhibitory growth evaluation and apoptosis induction in MCF-7 cancer cells by new 5-aryl-2-butylthio-1,3,4-oxadiazole derivatives., *Cancer Chemother Pharmacol.* 2017 Nov;80(5):1027-1042.
30. Kamal Ahmad, Fareeda Athar, *Phytochemistry and Pharmacology of Callistemon viminalis (Myrtaceae): A Review*, *The Natural Products Journal*, 7 ,3 , 2017, 166-175.
31. Dohare N, Khan AB, Maurya N, Thakur S, Athar F, Singh P, Patel R. An insight into the binding of aceclofenac with bovine serum albumin at physiological condition: a spectroscopic and computational approach. *J Biomol Struct Dyn.* 2017 Jan 24:1-9. doi: 10.1080/07391102.2017.
32. Tazeem, Abdul Roouf Bhat, Xin Han and Fareeda Athar, *Synthesis, Structure-Activity Relationship and Antimicrobial Evaluation of Methyl-Substituted Tetrazoloquinoline-Based Pyrazolinethioamides*, *CHEMISTRYSELECT*, Volume 1, Issue 18, November 1, 2016, Pages: 5917-5922,
33. Mohmmad Younus Wani, Abdul Roouf Bhat, Amir Azam, Fareeda Athar and Abilio J. F.N. Sobral *New transition metal complexes containing imidazole rings endowed with potential antiamebic activity*, *Med. Chem. Commun.*, 2016, 7, 982-989 .
34. Dohare N, Khan AB, Athar F, Thakur SC, Patel R *Urea-induced binding between diclofenac sodium and bovine serum albumin: a spectroscopic insight.* *Luminescence.* 2016 Jun;31(4):945-51.
35. Mohammad Arshad, Abdul Roouf Bhat, Smritee Pokharel, Ji-Eun Kim, Eun Ju Lee, Fareeda Athar*, Inho Choi, *Synthesis, characterization and anticancer screening of some novel piperonyl-tetrazole derivatives*, *Eur. J. Med. Chem.*, 71, 2014, 229-236.
36. Mohmmad Younus Wani, Abdul R. Bhat, Amir Azam, Fareeda Athar*, *Nitroimidazolyl hydrazones are better amoebicides than their cyclized 1,3,4-oxadiazoline analogues: In vitro studies and Lipophilic efficiency analysis*, *Eur. J. Med. Chem.*, 64, 2013, 190-199.
37. Abdul Roouf Bhat, Mohammad Arshad, Eun Ju Lee, Smritee Pokharel, Inho Choi and

- Fareeda Athar*, Synthesis, Characterization, and Anti-Amoebic Activity of N-(Pyrimidin-2-yl)benzenesulfonamide Derivatives, *Chemistry & Biodiversity*, 10, 12, 2013, 2267-2277.
38. Mohammad Younus Wani, Abdul Roouf Bhat, Amir Azam, Inho Choi, Fareeda Athar*, Probing the antiamoebic and cytotoxicity potency of novel tetrazole and triazine derivatives Original Research Article, *Eur. J. Med. Chem.*, 48, 2012, 313-320.
39. Mohammad Younus Wani, Abdul Roouf Bhat, Amir Azam, Dae Hyung Lee, Inho Choi, Fareeda Athar*, Synthesis and in vitro evaluation of novel tetrazole embedded 1,3,5-trisubstituted pyrazoline derivatives as *Entamoeba histolytica* growth inhibitors, *Eur. J. Med. Chem.*, 54, 2012, 845-854.
40. Abdul R Bhat, Tazeem, Amir Azam, Inho Choi, Fareeda Athar*, Synthesis, Characterization and Biological Activities of a New Series of Thiadiazole Possessing Chloroquinoline Moiety. *Eur. J. Med. Chem.*, 46, 7, 2011, 3158-3166.
41. Mohammad Younus Wani, Fareeda Athar*, Salauddin A. Siddiqi, Subhash M. Agarwal, Amir Azam and Abdul R. Bhat, In vitro antiamoebic and cytotoxicity activity studies of novel monoterpene based 1,4,2-Dioxazole analogues and calculation of their Physicochemical parameters, acidity constant and lipophilicity, *European Journal of Medicinal Chemistry*, 46, 9, 2011, 4742-4752.
42. Deepa Bahl, Fareeda Athar, Milena Botelho Pereira Soares, Matheus Santos de Sá, Diogo Rodrigo Magalhães Moreira, Rajendra Mohan Srivastava, Ana Cristina Lima Leite, Amir Azam, Structure–activity relationships of mononuclear metal–thiosemicarbazone complexes endowed with potent antiplasmodial and antiamoebic activities, *Bioorganic & Medicinal Chemistry*, 18, 2010, 6857-6864.
43. Abdul R. Bhat, Fareeda Athar, Amir Azam, New Derivatives of 3,5-substituted-1,4,2-dioxazoles; Synthesis and Activity against *Entamoeba histolytica*, *Eur. J. Med. Chem.*, 44, 2, 2009, 926-936.
44. Mohammad Abid, Abdul R. Bhat, Fareeda Athar and Amir Azam, synthesis, spectral studies and antiamoebic activity of new 1-N-substituted thiocarbamoyl-3-phenyl-2- pyrazolines, *Eur. J. Med. Chem.* 44, 2009, 417-425.
45. Abdul R. Bhat, Fareeda Athar and Amir Azam, Bispyrazolines: synthesis, characterization and antiamoebic activity as inhibitors of *Entamoeba histolytica*, *Eur. J. Med. Chem.*, 44, 2009, 426-431.

46. Abdul R. Bhat, Asif Iqbal Bhat, Fareeda Athar, Amir Azam, Synthesis, Characterization and Antiamoebic screening of Core Modified 5,10-Bis-2{(N-substituted amino)methylene}-ferrocenyl-15,20-diphenyl-21,23-dithiaporphyrin Derivatives, *Helv. Chim. Acta.*, 2009, 92, 8, 1644-1656.
47. Asha Budakoti, Abdul R. Bhat, Fareeda Athar and Amir Azam, synthesis and evaluation of 3-(3-bromo phenyl)-5-phenyl-1-(thiazole[4,5-b]quinoxaline-2-yl)-2-pyrazoline derivatives. *Eur. J. Med. Chem.* 2008, 43, 8, 1749-1757.
48. Abdul R. Bhat, Fareeda Athar, Robyn L. van Zyl, Chien-Teng Chen and Amir Azam, Synthesis and biological evaluation of novel 5-(4-phenyl-N4-substituted thiosemicarbazone)-10,15,20-(trisphenyl)porphyrin derivatives as a new class of potential antiprotozoal agents, *Chemistry & Biodiversity*, 5, 5, 2008, 764-776.
49. Shailendra Singh, Mannar R. Maurya, Fareeda Athar and Amir Azam, Cyclooctadiene Ru(II) complexes of thiophene-2-carboxaldehyde-derived thiosemicarbazones: synthesis, characterization and antiamoebic activity, *Eur. J. Med. Chem.*, 2006, 41, 592.
50. Shailendra Singh, Kakul Husain, Fareeda Athar and Amir Azam, Synthesis and Characterization of 3,7-dimethyl-pyrazolo[3,4-e][1,2,4] triazin-4-yl thiosemicarbazide derivatives, *Eur. J. Pharm. Sci.*, 25, 2005, 255-62.
51. Fareeda Athar, Kakul Husain, Mohammad Abid, Neelam Bharti, Simon J. Coles, Micheal B. Hursthouse, Thomas A. Mayer, Mannar R. Maurya, Amir Azam, Synthesis and in Vitro Antiamoebic Activity of New Copper(II), Gold(I) and Ruthenium(II)-Metronidazole Complexes, *Chem. Biodiv.* 2, 2005, 1320-1330.
52. Sangita Sharma, Fareeda Athar, Mannar R. Maurya, Fehmida Naqvi and Amir Azam, Novel bidentate complexes of Cu(II) derived from 5-nitrofur-2-carboxaldehyde thiosemicarbazones with antiamoebic activity against *E. histolytica*. *Eur. J. Med. Chem.*, 40(6), 2005, 557-62.
53. Sangita Sharma, Fareeda Athar, Mannar R. Maurya, Amir Azam, Copper (II) complexes with substituted thiosemicarbazones of thiophene-2-carboxaldehyde: Synthesis, characterization and antiamoebic activity against *E. histolytica* , *Eur. J. Med. Chem.*, 40, 2005, 1414-1419.
54. Shailendra Singh, Fareeda Athar and Amir Azam, Synthesis, Spectral studies and In vitro Assessment for Antiamoebic Activity of New Cyclooctadiene Ruthenium(II) Complexes with 5-nitrothiophene-2-carboxaldehyde Thiosemicarbazones, *Bioorg. Med. Chem. Lett.* 15,

2005, 5424-5428.

55. Neelam Bharti, Fareeda Athar, M. N. Maurya and Amir Azam, Synthesis, Characterization and In Vitro Anti-Amoebic Activity of New Palladium (II) Complexes with 5- nitrothiophene -2-carboxaldehyde N4 -Thiosemicarbazone, *Bioorg. Med. Chem.*, 12, 2004, 4679.
56. Sartaj Tabassum, Fareeda Athar and Farukh Arjmand, Interaction of a new cobalt(II) complex of five-coordinated chiral porphyrin with calf-thymus DNA. *Trans. Met. Chem.*, 27, 2002, 256.
57. Farukh Arjmand and Fareeda Athar, Synthesis and characterization of novel chiral organotin complexes, *Indian J. Chem.*, 40A, 2001, 213-215.
58. Fareeda Athar, Farukh Arjmand and Sartaj Tabassum, Novel asymmetric heterobimetallic complexes of transition metals and kinetics of oxygen binding to a cobalt(II) complex. *Trans. Met. Chem.*, 26, 2001, 574-580.
59. Fareeda Athar, Farukh Arjmand and Sartaj Tabassum, New asymmetric N₂S₂ macrocycles, their metal chelates and the photokinetics of DNA complex interaction. *Trans. Met. Chem.*, 26, 2001, 426-429.

Book Chapters

1. Abdul Roouf Bhat and Fareeda Athar, *Hydrazones: Uses and Reactions*, 2020, *Interdisciplinary Approaches to hydrazones*, ISBN: 978-1-53617-672-8, Published by Nova Science Publishers, Inc. † New York.
2. Shadab Miyan Siddiqui, Abdul Roouf Bhat and Fareeda Athar, *Advances in Medicine and Biology*, volume 178, *The MCF-7 Cells; Advances in Research and Future Directions*, Published by Nova Science Publishers, Inc. † New York.
3. Shadab Miyan Siddiqui, Abdul Roouf Bhat and Fareeda Athar, *Entamoeba; Species, classification and Biology*, *Pathogenic and non-pathogenic species of Entamoeba*, Published by Nova Science Publishers, Inc. † New York.

Award-

RULA AWARDS, Research Peace Award of the Year 2019, Distinguished Researcher in Medicinal Chemistry For International Innovation, betterment & excellence in research activities accredited by Idamas Learning Center, World Research Council and United Medical Council.

Thesis Awarded- 8

Projects Completed-

Synthesis, Characterization and Antiamoebic Activity of Azole & Azine Derivatives Against *E. Histolytica*. (2008-2011), Fast Track proposal for Young Scientists, Science and Engineering Research Council, DST, Rs. 10,74,000.

Synthesis, Characterization and Biological Activity of Heterocyclic Compounds (2012-2015), UGC, Major Research Project Rs. 9,30,000.

Research experience: Substantial research experience in synthetic **organic chemistry**, in particular extensive experience in the synthetic methodology of heterocyclic systems of biological importance and their screening against *Entamoeba histolytica* the causative agent of Amoebiasis.

Research work done

- Synthesis and spectroscopic characterization of variously substituted Tetrapyrrolic porphyrin thiosemicarbazones.
- Synthesis and spectroscopic characterization of core modified thiophene porphyrins Core-modified ferrocenyl porphyrins.
- Synthesis of bis-chalcones and their cyclization to bis-pyrazolines
- Synthesis of oximes and their cyclization to 3,5 substituted 1,2,4-dioxazoles.
- Synthesis of Tricyclic heterocyclic Compounds
- Screening for antiamoebic activity, anticancer activity.
- Toxicity

No. of Ph.D. students supervised : **Thirteen**

Thesis Awarded

Name of the student : **Mohd. Younus Wani (2008-2011)**

Title of the thesis : **Systematic Exploration of Novel Heteroaryl Azole based Compounds and their nanoparticles for Antiamoebic Therapeutic**

Name of the student : Tazeem (2009-2013)

Title of the thesis : Diverse Interdisciplinary Applications of Synthetically Obtained Heterocyclic Compounds.

Name of the student : Tuhfa (2009-2013)

Title of the thesis : Synthesis of Novel Organic Compounds and Their Application as Biocidal Agent.

Name of the student :Mohd. Arshad (2009-2013)

Title of the thesis : Novel Heterocyclic Compounds as potential therapeutic agents: Synthesis and characterization.

Name of the student : Rashmin Khan (2013-2018)

Title of the thesis : Synthesis of novel heterocyclic compounds with biological significance

Name of the student : Kamal Ahmad (2013-2017)

Title of the thesis : Chemotherapeutic study of natural products as anticancer agents

Name of the student : Iram Bilal (2013-2018)

Title of the thesis : Evaluation of toxicity And fertility regulation in rats by few medicinal plants.

Name of the student : Neeraj Dohare (2013-2018)

Title of the thesis : Interaction of Different type of Non-Steroidal Anti-Inflammatory Drugs with Model Proteins in Aqueous Medium

Name of the student ;Md. Amjad Beg (2018-2022)

:Impact of natural compounds against target protein/pathway and antituberculosis approaches

Co-Supervisor-

Name of the student : Abu Hasnat Md. Gholam Server

Title of the thesis : Evaluation of toxicity And fertility regulation in rats by few medicinal plants.

Students registered currently

Name of the student : Mehnaj

Title of the thesis : Systematic Exploration, structure activity relationship and biological screening of heterocyclic compounds.

Co-supervisor

Name of the student : Bushra Khan

Title of the thesis : Synthesis and Characterization of Novel Organic Ligands as Therapeutic Agents.

Conferences Organized : Three

Member of Organizing Committee, Interdisciplinary Science Conference-2007 on "Recent Trends in Research in Biological Sciences", 7 December 2007, Jamia Millia Islamia, New Delhi.

Member of Organizing Committee, Interdisciplinary Science Conference-2008 on "Mathematics in Biology" 4th December 2008 ", Jamia Millia Islamia, New Delhi.

Organizing Secretary, Interdisciplinary Science Conference 2009: Interface Between Chemistry & Biology" October 8, 2009, at Ansari Auditorium, JMI, New Delhi.

Organizing Secretary, National Conference on Interdisciplinary Approaches in Chemistry 2023" March 2023, JMI, New Delhi.