

Curriculum Vitae



1. Name : Prof. Amir Azam
2. Date of Birth : 15-9-1956
3. Nationality : Indian
4. Marital Status : Married
5. Address : Department of Chemistry,
Jamia Millia Islamia,
Jamia Nagar, New Delhi-110025, India.
(Mobil) : 9818963639
E-mail : aazam@jmi.ac.in

Current Position: Professor

Research Areas:

- Design, synthesis and evaluation of novel heterocyclic compounds against Amoebasis.
- Targeting breast carcinoma cell lines (ER positive/ negative).

Google Scholar Profile:

Citations : 3197
h-index : 35
i 10 : 75

Scopus Profile:

Citations : 2750
h-index : 34

Detail of Courses Taught:

- (i) General Organic Chemistry
- (ii) Heterocyclic Chemistry
- (iii) Pharmaceutical and Medicinal Chemistry
- (iv) Chemistry of Natural Products
- (v) Reaction Mechanism
- (vi) Spectroscopy of Organic Compounds

Educational Qualifications:

M.Sc Organic Chemistry	1977	Aligarh Muslim University, Aligarh, U.P. India
M.Phil Chemistry	1981	Aligarh Muslim University, Aligarh, U.P. India
Ph.D. Chemistry	1984	Aligarh Muslim University, Aligarh, U.P. India
Title of Ph.D thesis:		<u>Chemical Investigation of Indigenous Medicinal Plants.</u>

Research & Teaching Experience: **more than 32 yrs.**

1. **Research Associate**, School of Life Sciences, Jawaharlal Nehru University, New Delhi, India., June 1, 1993 - February 28, 1997.
2. **CSIR, Scientist Pool**, Department of Chemistry, Jamia Millia Islamia, New Delhi, India., March 1, 1997 - Feb.28, 2000
3. **Reader**, Department of Chemistry, Jamia Millia Islamia, New Delhi, India. Feb. 5, 2001 - Feb. 4, 2006.
4. **Associate Professor**, Department of Chemistry, Jamia Millia Islamia, New Delhi, India., Feb. 5, 2006 - Feb. 4, 2009.
5. **Professor**, Department of Chemistry, Jamia Millia Islamia, New Delhi, India., Feb. 5, 2009—till present.

Thesis Awarded:

- **Ph.D. awarded** : 25
- **Ph.D Students Supervising** : 9
- **Research Associates** : 3
- **Young Scientist** : 1
- **M.Sc. projects supervised** : 36

Research Projects Completed: 5 (total funding ~ 1.5 crores, INR)

1. Synthesis of Some Heterocyclic Compounds and their screening against *Entamoeba histolytica*. University Grants Commission. *India, Rs. 10,55,800 (April 2012-2015)*
2. Council of Scientific and Industrial Research, (CSIR) Rs. 12. 11 Lacs (Nov.1, 2008- March 31, 2012)
3. Department of Science & Technology (DST), Rs. 94.69 Lacs (April 1, 2005 – March 31, 2008)
4. Council of Scientific and Industrial Research (CSIR), Rs. 15.5 Lacs, (Sept. 1, 2002 –Aug. 30, 2005)

5. CCRUM, Ministry of Health, Govt. of India. Rs. 7.55 Lacs (April 1, 2005 – March 31, 2008)

Journals in which papers published, number and impact factor

Total cumulative impact factor: 350

<u>International Journals</u>	<u>Published</u>	<u>Impact factor</u>
1. Curr. Bioa. Comp. (Review) (Bentham, USA)	1	5.5
2. Inorg. Chem. (American Chemical Society, USA)	1	4.85
3. Inter. J. Parasitol. (Elsevier, USA)	2	3.81
4. Dalton Trans. (Royal Society of Chemistry, UK)	2	4.08
5. Mole. & Biochem. Parasitol. (Elsevier, USA)	1	2.53
6. Gene (Elsevier, USA)	1	2.66
7. Eur. J. Inorg. Chem. (Elsevier, Germany)	4	3.04
8. Bioorg. Med. Chem. Lett. (Elsevier, U.K)	14	2.45
9. Eur. J. Pharm. Sci. (Elsevier, France)	1	3.86
10. Bioorg. Med. Chem. (Elsevier, U.K)	5	2.92
11. Eur. J. Med. Chem. (Elsevier, France)	40	4.51
12. Helv. Chim. Acta (Verlag, Zurich)	3	1.65
13. Inorg. Chim. Acta (Elsevier, Germany)	1	2.00
14. Chem. & Biod. (Verlag, Zurich)	2	1.92
15. Aust. J. Chem. (Australia)	1	1.95
16. ARKIVOC Journal (USA)	1	1.35
17. Med. Chem. Res. (Springer, Germany)	4	1.27
18. Synth. commu. (Tailor & Francis)	1	1.06
19. J. Enzy Inhib. Med. Chem. (Informa, USA)	2	4.29
20. J. Floresence (Springer, Germany)	1	2.11
21. Org. Biomol. Chem. (RSC, UK)	2	3.76
22. Tetrahedron Letters. (Elsevier, U.K)	1	2.58
23. Natur. Prod. Commu. (USA)	1	1.00
24. J. Solu. Chem. (Springer, Germany)	1	1.41
25. RSC Advances (RSC, UK)	2	3.10
26. Frontiers in Microbiology (Frontiers Media, Switzeland)	1	4.07
27. Arch. Pharm. Res. (Springer, Germany)	1	2.32
28. Inter. Jour. of Bio. Macro. (Elsevier, U. K.)	1	3.67

29. Curr. Protein. & Pep. Scie.	(Bentham, USA)	1	2.69
30. Luminescence	(Elsevier, U. K.)	1	2.68
31. Cancer Chemo. Pharmaco.	(Springer, Germany)	1	2.7
32. Mini. Rev. Medi. Chem.		1	2.66
33. ChemMedChem		1	3.22

NATIONAL:

34. Indian J. Chem.		1	0.64
35. J. Sci. Res.		1	0.35
36. J. Ind. Chem. Soc.		1	0.52
37. J. Plant Biochem. Biotech.		1	0.9

Patent Filed

1. Amir Azam, Afreen Inam, Neelima Mondal, Guru P. Sharma, *N'*-[(1*E*)-(2,5-dimethoxyphenyl)methylene]-4-methylbenzene (SH-1): Potential anti-cancer drug for prostate cancer, Patent Application No. 201611002689, New- Delhi, 25-01-2016
2. Amir Azam, Afreen Inam, Neelima Mondal, Guru P. Sharma, (E)-*N*-(1-(3-chlorophenyl)propylidene)-4-methylbenzene sulfonohydrazide (SH-2): Potential molecule against prostate cancer, Patent Application No. 201611003778, New- Delhi, 03-02-2016
3. Amir Azam, Afreen Inam, Neelima Mondal, Somesh Kumar, ((E)-*N*-(1-(4-isopropyl benzylidene) 4-methylbenzene sulfonohydrazide (SH-3): Potential molecule for Breast cancer, Patent Application No. 201611005460, New- Delhi, 17-02-2016
4. Abid, Mohammad; Aneja, Babita; Irfan, Mohammad; Kavanagh, Kevin; Azam, Triazole-amino acid based hybrid as potential inhibitor for *Candida* infection. Amir. Indian Pat. Appl. (2017), IN 201611008628 A 20170915.
5. Triazole-amino acid based hybrids as potential antifungal drug for *Candida* infection. Abid, Mohammad; Irfan, Mohammed; Aneja, Babita; Manzoor, Nikhat; Azam, Amir Indian Pat. Appl. (2017), IN 201611006284 A 20170825.

Invited Chapter in a book: Heterocyclic Lead Compounds Against Amoebiasis; Amoebiasis, 2014, 565 - 581 (Springer).

Total Publications: 108

Recent Publications:

1. Afreen Inam, Shadab Miyan Siddiqui, Taís Soares Macedo, Diogo Rodrigo Magalhaes Moreira, Ana Cristina Lima Leite , Milena Botelho Pereira Soares, Amir Azam.,. *Eur. J. Med. Chem.* 75 (2014) 67-76.
2. Annu Juneja, Tais Soares Macedo , Diogo Rodrigo Magalhaes Moreira, Milena Botelho Pereira Soares , Ana Cristina Lima Leite , Juliana Kelle de Andrade Lemoine

- Neves, Valeria Rego Alves Pereira, Fernando Avecilla, Amir Azam. *Eur. J. Med. Chem.* 75, 21, 2014, 203-210.
3. Shadab Miyan Siddiqui, Amir Azam, *Med. Chem. Res.* 23, 6, 2014, 2976-2984.
 4. Beena Negi, K. Kranthi Raj, Shadab Miyan Siddiqui, Dittakavi Ramachandran, Amir Azam, and Diwan S. Rawat, *ChemMedChem.* 9(11):2014, 2439-44.
 5. Afreen Inam, Robyn L. Van Zyl, Natasha J. van Vuuren, Chien-Teng Chen, Fernando Avecilla, Subhash M. Agarwal and Amir Azam, *RSC Adv.*, 2015,5, 48368-48381
 6. Ansari MF, Siddiqui SM, Agarwal SM, Vikramdeo KS, Mondal N, Azam A. *Bioorg. Med. Chem.Lett.* 2015, 1;25(17):3545-9.
 7. Leeza Zaidi S, Mittal S, Rajala MS, Avecilla F, Husain M, Azam A., *Eur. J. Med. Chem.* 2015, 15;98:179-89
 8. Maurya MR, Uprety B, Avecilla F, Tariq S, Azam A., *Eur. J. Med. Chem.* 2015, 15;98:54-60.
 9. Azam A, Peerzada MN, Ahmad K., *Front Microbiol.* 2015, 27;6:1183
 10. Aneja B, Irfan M, Hassan MI, Prakash A, Yadava U, Daniliuc CG, Zafaryab M, Rizvi MM, Azam A, Abid M., *J. Enzy. Inhib. Med. Chem.* 2016,31(5):834-52.
 11. Abid M, Shamsi F, Azam A., *Mini Rev. Med. Chem.*, 2016;16(10):772-86.
 12. Hayat F, Wahedi HM, Park S, Tariq S, Azam A, Shin D., Hayat F, Wahedi HM, Park S, Tariq S, Azam A, Shin D., *Arch Pharm Res.* 2016,39(1):33-42
 13. Ansari MF, Siddiqui SM, Ahmad K, Avecilla F, Dharavath S, Gourinath S, Azam A., *Eur. J. Med. Chem.* 2016, 29;124:393-406.
 14. Inam A, Mittal S, Rajala MS, Avecilla F, Azam A., *Eur. J. Med. Chem.* 2016, 29;124:445-455.
 15. Aneja B, Irfan M, Kapil C, Jairajpuri MA, Maguire R, Kavanagh K, Rizvi MM, Manzoor N, Azam A, Abid M., *Org. Biomol. Chem.*,2016, 7;14(45):10599-10619
 16. Hayat F, Azam A, Shin D., *Bioorg. Med. Chem. Lett.* 2016, 1;26(21):5149-5159.
 17. Mannar R. Maurya, Bithika Sarkar, Fernando Avecilla, Saba Tariq, Amir Azam, Isabel Correia, *Eur. J. Inorg. Chem.*, 2016, 9, 1430–1441,
 18. Saadia Leeza Zaidi, Subhash M. Agarwal, Porntip Chavalitshewinkoon-Petmitr, Thidarat Suksangpleng, Kamal Ahmad, Fernando Avecilla, Amir Azam., *RSC Adv.*, 2016,6, 90371-90383.
 19. Ansari MF, Hayat F, Inam A, Kathrada F, van Zyl RL, Coetzee M, Ahmad K, Shin D, Azam A., *Bioorg. Med. Chem. Lett.* 2017, 1;27(3):460-465.

20. Masood MM, Hasan P, Tabrez S, Ahmad MB, Yadava U, Daniliuc CG, Sonawane YA, Azam A, Rub A, Abid M., *Bioorg. Med. Chem. Lett.* 2017, 1;27(9):1886-1891
21. Babita Aneja, Meena Kumari, **Amir Azam**, Amit Kumar, Mohammad Abid, Rajan Patel. *Luminescence A Journal of Biological and Chemical Luminescence.* 2017.
22. Ansari MF, Idrees D, Hassan MI, Ahmad K, AVECILLA F, Azam A., *Eur. J. Med. Chem.* 2017, 15;144:544-556.
23. Queen A, Khan P, Idrees D, Azam A, Hassan MI., *Int. J. Biol. Macromol.* 2018 106:840-850.
24. Khanam R, Ahmad K, Hejazi II, Siddique IA, Kumar V, Bhat AR, Azam A, Athar F. *Cancer Chemother. Pharmacol.* 2017;80(5):1027-1042.
25. Queen A, Khan P, Azam A, Hassan MI, *Curr. Protein & Pept. Sci.*, 2017

Invited Talk:

Title of Lecture: "Synthesis, Characterization and Antiamoebic Activity of Some Heterocyclic Compounds"

EMBO Global Lecture Course and Symposium on "Amoebiasis: Exploring the Biology and the Pathogenesis of Entamoeba" held on 2nd – 7th March, 2012, Khajuraho, India

Title of Lecture: "Approaches and Progress Towards New Leads Against Amoebiasis: An Overview" 6th National Seminar on New Paradigm in Chemical Sciences held on February 13, 2014 at Department of Chemistry, Punjabi University, Patiala

Reviewer of the International Journals: 14

Research Collaborators:

1. **Prof. Ana Cristina Lima Leite**
Faculty of Pharmaceutical Sciences,
Federal University of Pernambuco,
CEP (ZIP CODE): 50740-520
Recife City, PE (State), **Brazil.**
2. **Prof. Robyn L. Van Zyl**
Pharmacology Division
Department of Pharmacy and Pharmacology
Faculty of Health Sciences, Medical School
University of the Witwatersrand, **South Africa.**