



महात्मा ज्योतिबा फुले  
कृषिविज्ञान योजना, वरेली

## Faculty Profile on University Website

www.mjpru.ac.in

Title	Dr./Ms.	First Name	AFROZ	Last Name	ASLAM	Photograph
Designation		Assistant Professor				
Department		Chemistry				
Address (Campus) (Residence)		Constituent Government College, Fatehullaganj, Thakurdwara, Moradabad				
		Moh. Gyasur Bisalpur Pilibhit				
Phone No (Campus) (Residence)		NA				
		NA				
Mobile		+917037824512				
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Email		<a href="mailto:drafrozislam@gmail.com">drafrozislam@gmail.com</a> , <a href="mailto:afrozislam10@gmail.com">afrozislam10@gmail.com</a>				
Web-Page		<a href="https://scholar.google.com/citations?hl=en&amp;user=J8-dsyIAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=J8-dsyIAAAAJ</a> , <a href="https://www.linkedin.com/in/dr-afroz-aslam-45926ab7/">https://www.linkedin.com/in/dr-afroz-aslam-45926ab7/</a>				

### Educational Qualifications (Graduation Onwards)

Course/Degree	Institution	Year	Details/Thesis Topic/Subjects
B.Sc.	M.J.P. Rohilkhand University, Bareilly	2005	Chemistry, Botany
M.Sc.	M.J.P. Rohilkhand University, Bareilly	2012	Chemistry
B.Ed.	Dr. B.R. Ambedkar University, Agra	2014	Science Stream
M.Phil.	Aligarh Muslim University, Aligarh	2015	Chemistry
Ph.D.	Aligarh Muslim University, Aligarh	2022	“Isolation, Characterization and Pharmacological Investigation of Naturally Occurring Compounds from Medicinal Plants and Synthesis of Some Simple Bioactive molecules”

### Career Profile

Organization / Institution	Designation	Duration	Role
Constituent Government College Fatehullaganj, Thakurdwara, Moradabad	Assistant Professor	15 Dec 2022 To Till Now	

### Research Interests / Specialization

Natural Product Chemistry   Diversity oriented MRCs   Newer synthetic methodologies  Medicinal Chemistry   Green Chemistry  Target oriented approach for making small organic molecules of biological significant									
<b>Teaching Experience (Subjects/Courses Taught)</b>									
One year		B.Sc. and M.Sc.							
<b>Honors &amp; Awards</b>									
<b>2016-2020</b>		UGC Non Net Fellowship for pursuing Ph.D. provided by Government of India							
<b>Publications /Academic Activities (Numbers Only)</b>									
Books & Monographs (Single Author)	<b>N</b> <b>A</b>	Research Papers Published in International Journals	<b>15</b>	Papers Presented in Seminars/ Conferences	<b>7</b>	Seminars/ Conferences Organized	<b>N</b> <b>A</b>	Research Projects (Completed)	<b>N</b> <b>A</b>
Books (Co-authored)	<b>N</b> <b>A</b>	Research Papers Published in Other Journals	<b>N</b> <b>A</b>	Seminar/ Conferences Attended	<b>7</b>	Workshops Organized	<b>N</b> <b>A</b>	Research Projects (Ongoing)	<b>N</b> <b>A</b>
Books (Edited)		Articles Published in Popular Fora, e.g., Websites, Blogs, Newspapers, Magazines etc.	<b>N</b> <b>A</b>	Sessions Chaired in Seminars/ Conferences	<b>N</b> <b>A</b>	Membership of Academic/ Professional Bodies	<b>N</b> <b>A</b>	Foreign Countries Visited for Academic Assignments	<b>N</b> <b>A</b>
Chapters in Edited Books	<b>7</b>			Resource Lectures Delivered	<b>N</b> <b>A</b>				

<b>Details of Publications /Academic Activities (2010 Onwards)</b>				
<b>(a) Books / Monographs</b>				
<b>Year of Publication</b>	<b>Title</b>	<b>Publisher</b>	<b>ISBN</b>	<b>Co-Author (s) (if any)</b>
<b>2022</b>	“Corrosion inhibitors for neutral environments,” Book Title: Environmentally Sustainable Corrosion Inhibitors: Fundamentals and Industrial Applications”	Elsevier	978-0-323-85405-4	R. Aslam, M. Mobin, <b>A. Aslam</b> , S. Zehra, J. Aslam
<b>2022</b>	“Pharmaceutical drugs protecting metals in aggressive environments,” Book Title: Eco-friendly Corrosion Inhibitors: Principles, Designing and Application”	Elsevier	9780323911764	R. Aslam, M. Mobin, J. Aslam, <b>A. Aslam</b>
<b>2022</b>	“Amino acids and their derivatives as corrosion inhibitor”	Elsevier	9780323911764	J. Aslam, R. Aslam, <b>A. Aslam</b>

				<b>Aslam</b>
<b>2022</b>	“Anti-Corrosive Application of Organotin, SnO <sub>2</sub> , and TiO <sub>2</sub> -Based Nanocomposites,” Book Title: Functionalized Nanomaterials for Corrosion Mitigation: Synthesis, Characterization, and Applications”	American Chemical Society	9780841297593	R. Aslam, M. Mobin, S. Zehra, A. <b>Aslam</b>
<b>2022</b>	“Tribological Applications of Surface Modified Carbon Nanotubes” Surface Modified Carbon Nanotubes Volume 2: Industrial Applications”	American Chemical Society	9780841297470	<b>A. Aslam</b> , M. Parveen, S. Zehra, J. Aslam
<b>2023</b>	“Functionalization Carbon Nanotubes Innovate on Medical Technology” Book Title: Functionalized Carbon Nanotubes for Biomedical Applications”	John Wiley & Sons, Inc	978-1-119-90506-6	<b>A. Aslam</b> , J. Aslam, H.A. Parray, C.M. Hussain
<b>2023</b>	“Nanocontainer-loaded smart functional anticorrosion coatings”Book Title:Smart Anticorrosive Materials Trends and Opportunities”	Elsevier	9780323951586	S. Zehra, M. Mobin, R. Aslam, M. Parveen, A. <b>Aslam</b>

**(b) Papers Published in Indexed/ Peer Reviewed Journals**

<b>Year of Publication</b>	<b>Title</b>	<b>Journal</b>	<b>ISSN/ Indexing</b>	<b>Co-Author (s) (if any)</b>
<b>2023</b>	“Synthesis, Characterization and Biological activity of benzimidazole-acrylonitrile derivatives”	Curr. Org. Synth.	1875-6271	M. Parveen, M. Azeem, <b>A. Aslam</b> , M. Haris, A. Khan, M. Alam

2022	“One-Pot Synthesis of Benzopyrano-Pyrimidine Derivatives Catalyzed by P-Toluene Sulphonic Acid and Their Nematicidal and Molecular Docking Study”	Catalysts	2073-4344	M. Parveen, M. Azeem, A.A. Khan, <b>A. Aslam</b> , S. Fatima, M.A. Siddiqui, Y. Azim, K. Min, M. Alam
2022	“Structure Elucidation, DNA Binding and Molecular Docking Studies of Natural Compounds Isolated from the leaves of <i>Crateva religiosa</i> ”	J. Mole.Stru.	0022-2860	M. Parveen, <b>A. Aslam</b> , S. Siddiqui, M. Tabish, M. Alam
2022	“Corrosion inhibition performance of multi-phytoconstituents from Eucalyptus bark extract on mild steel corrosion in 5% HCl solution”	International Journal of Environmental Science and Technology	1735-1472	J. Aslam, M. Mobin, Huda, <b>A. Aslam</b> , R. Aslam
2022	“Isolation, Identification, Spectral Studies and X-ray Crystal Structures of Two Compounds from <i>Bixa orellana</i> , DFT Calculations and DNA Binding Studies”	Crystals	2073-4352	M. Parveen, M. Azeem, <b>A. Aslam</b> , M. Azam, S. Siddiqui, M. Tabish, A.M. Malla, K. Min, V.H. Rodrigues, S. I Al-Resayes, M. Alam
2021	“Green Synthesis of Fused Chromeno-pyrazolo-phthalazine Derivatives with Silica-supported	Curr. Org. Synth.	1875-6271	<b>A. Aslam</b> , M. Parveen, K. Singh, M.

	Bismuth Nitrate under Solvent-free Conditions”			Azeem
2021	“Application of surfactants as anticorrosive materials: A comprehensive review”	Adv. Colloid Interface Sci.	0001-8686	R. Aslam, M. Mobin, J. Aslam, <b>A. Aslam</b> , S. Zehra, S. Masroor
2020	“Molecular binding interaction of pyridinium based gemini surfactants with bovine serum albumin: Insights from the physicochemical, multispectroscopic, and computational analysis”	Spectrochim. Acta. A	1386-1425	J. Aslam, I.H. Lone, F. Ansari, <b>A. Aslam</b> , R. Aslam, M. Akram
2020	“Gravimetric, electrochemical, and morphological studies of an isoxazole derivative as corrosion inhibitor for mild steel in 1M HCl”	Arab. J. Chem.	1878-5379	J. Aslam, R. Aslam, S.H. Alrefaee, M. Mobin, <b>A. Aslam</b> , M. Parveen, C.M. Hussain,
2020	“Silica bonded N-(propylcarbamoyl)sulfamic acid (SBPCSA) as a highly efficient and recyclable solid catalyst for the synthesis of Benzylidene Acrylate derivatives: Docking and reverse docking integrated approach of network pharmacology”	Biophysical Chemistry	0301-4622	<b>A. Aslam</b> , M. Parveen, M. Alam, M. R. Silva, P.S. P. Silva

<b>2020</b>	Inhibitory effect of 2-Nitroacridone on corrosion of low carbon steel in 1 M HCl solution: An experimental and theoretical approach	JMR&T	0884-2914	J. Aslam, R. Aslam, I.H. Lone, N.R.E. Radwan, M. Mobin, A. Aslam, M. Parveen, A. Abdullah Al-Freedi, A. A. Alzulaibani
<b>2020</b>	“A facile & convenient route for the stereoselective synthesis of Z-isoxazol-5(4H)-ones derivatives catalyzed by sodium acetate: Synthesis, multispectroscopic properties, crystal structure with DFT calculations, DNA-binding studies and molecular docking studies”	J. Mol. Struct.	0022-2860	M. Parveen, <b>A. Aslam</b> , A. Ahmad, M. Alam, M. R. Silva, P.S. P. Silva
<b>2019</b>	“Synthesis and Characterization of Benzothiophene-3-carbonitrile Derivative and Its Interactions with Human Serum Albumin (HSA)”,	ChemistrySelect	2365-6549	M. Parveen, <b>A. Aslam</b> , M. Alam, M. F. Siddiqui, B. Bano, S. Azaz, M. R. Silva, P. S. P. Silva
<b>2019</b>	“Z-Acrylonitrile Derivatives: Improved Synthesis, X-ray Structure, and Interaction with Human Serum Albumin”	Curr. Org. Synth.	1875-6271	M. Parveen, <b>A. Aslam</b> , S. A. A. Nami, M. Ahmad

2019	“Potent acetylcholinesterase inhibitors: Synthesis, biological assay and docking study of nitro acridone derivatives”	J. Photochem. Photobiol. B, Biology	1011-1344	M. Parveen, A. Aslam, S.A.A. Nami, A.M. Malla, M. Alam, D. Lee, S. Rehman, P.S.P. Silva, M.R. Silva
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(c) Articles

15

(d) Seminar/Conference Presentations

1. A. Aslam, M. Parveen, S. Azaz, M. Alam, “Synthesis, Spectroscopic, Crystal Structure Analysis of 2-amino-7-oxo-4,5,6,7-tetrahydro-1-benzothiophene-3-carbonitrile derivatives” National Conference on Emerging Trends in Chemical Sciences, Department of Chemistry, A.M.U., Aligarh on 24-25 February 2018.
2. A. Aslam, M. Parveen, "An efficient protocol for the synthesis of stereoselective Z-acrylonitrile derivatives employing zinc chloride as catalyst at room temperature" National Conference on Emerging Trends in Chemical Sciences, Department of Chemistry, A.M.U., Aligarh on 23- 24 Feb 2019.
3. A. Aslam, M. Parveen, M. Alam "A Facile & Convenient Route for the Stereoselective Synthesis of Z- Isoxazol-5(4H)-Ones Derivatives Synthesis, Characterization and Crystal Structure" 2nd International Conference on Chemistry, Industry and Environment, Department of Applied Chemistry, A.M.U., Aligarh on 18-19 Feb 2019.
4. A. Aslam, M. Parveen, "Synthesis and Characterization of benzothiophene-3-carbonitrile Derivative and its Interactions with Human Serum Albumin (HSA)" National Conference on Nano polysaccharides for Environmental Sustainability, Department of Chemistry, Jamia Millia Islamia University, New Delhi on 25 Sep 2019.
5. A. Aslam, M. Parveen, M. Alam, “Synthesis & Characterization of Phosphalidine-2'-one Derivative of Mangiferolic acid and Cycloartenol isolated from *Garcinia mangostana* and evaluation of Phosphalidine-2'- one derivative of Mangiferolic Acid for Neurotrophic activity” International Conference On Emerging Trends in Chemical Sciences & ETCS-ACS, Department of Chemistry, A.M.U., Aligarh on 15-16 Feb 2020.
6. A. Aslam, M. Parveen, “Extraction, Isolation, structure elucidation, DNA binding and

<p>molecular docking studies of compounds isolated from the leaves of <i>Crateva religiosa</i>”  The 62nd Annual Meeting and International Symposium of Korean Society of Life Science, Regional Health Industry &amp; Longevity Medicine in the 4th Industrial Revolution, D/O on 6-8 Aug 2020. (e-poster).</p> <p>7. Attended DST &amp; ACS workshop held on February 14, 2020, in Department of Chemistry, Aligarh Muslim University, Aligarh, India.</p>	
<b><u>(e) Resource Lectures Delivered</u></b>	NA
<b><u>(f) Seminars/Conferences/Workshops Organized</u></b>	NA
<b><u>(g) Public Service / University Service / Consulting Activity</u></b>	NA
<b><u>(h) Memberships of Academic/Professional Bodies</u></b>	
Member of Cultural Committee at Constituent Government College, Fatehullaganj, Thakurdwara, MBD.	
<b><u>Projects (With Title, Year, Grants, Funding Agency and Collaborations)</u></b>	
	NA
<b><u>Administrative Positions/Assignments Held</u></b>	
	NA
<b><u>Academic Foreign Visits</u></b>	
	NA
<b><u>Any Other Details</u></b>	

**Signature of Faculty Member**