

Faculty Portfolio

Dr. Md Zaheen Hassan Ansari

Assistant Professor
Department of Pharm. Chemistry
College of Pharmacy
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Education:

Year of Graduation	Qualifications (Specializations if any)	University/College, Country
2015	Ph.D. (Pharmaceutical Chemistry)	Jamia Hamdard, India
2007	M. Pharmacy (Pharmaceutical Chemistry)	Jamia Hamdard, India
2005	B. Pharmacy (Pharmaceutical Sciences)	Jamia Hamdard, India

Professional experience:

Year	Positions	University/College, Country
Oct 2017-Present	Assistant Professor	College of Pharmacy, King Khalid University, KSA
Feb 2017-Oct, 2017	Assistant Professor	Alwar Pharmacy College, India
Jan 2016-Jan 2017	Post-Doctoral Fellow	Universiti Sains Malaysia, Malaysia
Oct 2013-Jan 2016	Assistant Professor	Alwar Pharmacy College, India
Aug 2007-Sep 2009	Lecturer	Alwar Pharmacy College, India

Community service activities

Year	Positions & Name of the Project	University/Company, Country
19 March 2023	Member of the organizing committee for the awareness campaign "Your medication"	King Khalid University, KSA
24 March 2009	Member of the organizing committee for the TB awareness program	Alwar Pharmacy College and Rajiv Gandhi Government General Hospital, Alwar

Academic/research awards:

Year/Duration of Award	Name of the Award	University/Company, Country
2018 (sem 391) and 2019 (sem 411)	1st Prize- Student research group	King Khalid University, KSA
2014	Best paper award	APP Conference at Ali-Allana College of Pharmacy, India
2012	Certificate of recognition for high impact publication	Jamia Hamdard, India
2010	International travel grant for young scientist	Department Of Science & Technology, India
2009-2013	Research fellowship in science to meritorious students	University Grants Commission of India

Workshops/ Trainings:

Year	Title	University/Company, Country
2016	Training: Occupational Safety and Health (OSH)	Universiti Sains Malaysia, Malaysia
2016	Certification: General course on Intellectual Property (IP)	WIPO, Geneva
Jun 16, 2014 to Jun 21, 2014	Training: ICP-MS: Analysis of elemental impurities in food and drugs	Spectro Analytical Labs Ltd. Greater Noida, India

Research interests:

- Multistep synthesis and purification of heterocyclic compounds
- Discovery and development of new agents for Alzheimer's, cancer, TB and dengue
- Molecular targets: Acetylcholinesterase, MAP kinase, sirtuin, protease etc.
- Molecular modeling

Teaching experience:

- Pharmaceutical Organic Chemistry, at King Khalid University, 2017-2020 (Pharm. D. and B. Pharm)
- Medicinal Chemistry-1, at King Khalid University, 2017-2023 (Pharm. D. and B. Pharm)
- Medicinal Chemistry-3, at King Khalid University, 2019 (B. Pharm)
- Modern Pharmaceutical Analytical Techniques at Alwar Pharmacy College, India, 2013-2016 (M. Pharm)
- Organic and Medicinal Chemistry at Alwar Pharmacy College, India, 2013-2016 (B. Pharm)

Professional membership: (limit to 5)

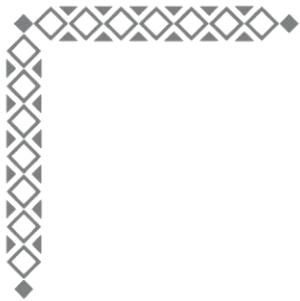
Year	Name of the professional Body	Role
2008-Present	Association of Pharmaceutical Teachers of India. (ND/LM-092)	Life Member
Present	BMC Chemistry	Member of Editorial Board

Research grants: (limit to recent 3-5 grants)

Year/Duration of Grant	Title of the Project	Awarding Body
2023 (1 year)	In silico Identification, Synthesis and Biological Evaluation of Novel Heterocycles as Antiviral Agents	DSR, KKU
2013 (02 years)	“Design, Synthesis and Biological Activity of Novel Azole Derivatives as Potential Antimycobacterial Agents” Project No. 2009-06610	ICMR, India

Publications: (Include recent 5-10 publications)

1. Phytocompound screening, antioxidant activity and molecular docking studies of pomegranate seed: a preventive approach for SARS-CoV-2 pathogenesis. Ashfaq F, Barkat MA, Ahmad T, Hassan MZ, Ahmad R, Barkat H, Idreesh Khan M, Saad Alhodieb F, Asiri YI, Siddiqui S. Sci Rep. 2023 Oct 10;13(1):17069. doi: 10.1038/s41598-023-43573-1.
2. Comparative Efficacy of Levosimendan, Ramipril, and Sacubitril/ Valsartan in Isoproterenol-induced Experimental Heart Failure: A Hemodynamic and Molecular Approach. Akhtar MS, Hassan Q, Afzal O, Altamimi A, Hassan MZ, Sharma AK, Mohammad AAS, Tabassum F. Curr Mol Pharmacol. 2023;16(6):629-639. doi: 10.2174/1874467215666220919104526.
3. Ameliorative Effect of Ethanolic Extract of Moringa oleifera Leaves in Combination with Curcumin against PTZ-Induced Kindled Epilepsy in Rats: In Vivo and In Silico. Alam MN, Singh L, Khan NA, Asiri YI, Hassan MZ, Afzal O, Altamimi ASA, Hussain MS. Pharmaceuticals (Basel). 2023 Aug 30;16(9):1223. doi: 10.3390/ph16091223.
4. Synthesis and Biological Evaluation of Some New 3-Aryl-2-thioxo-2,3-dihydroquinazolin-4(1H)-ones and 3-Aryl-2-(benzylthio) quinazolin-4(3H)-ones as Antioxidants; COX-2, LDHA, α -Glucosidase and α -Amylase Inhibitors; and Anti-Colon Carcinoma and Apoptosis-Inducing Agents. El-Sayed NNE, Al-Otaibi TM, Barakat A, Almarhoon ZM, Hassan MZ, Al-Zaben MI, Krayem N, Masand VH, Ben Bacha A. Pharmaceuticals (Basel). 2023 Oct 1;16(10):1392. doi: 10.3390/ph16101392.
5. Interaction of Bioactive Compounds of Moringa oleifera Leaves with SARS-CoV-2 Proteins to Combat COVID-19 Pathogenesis: A Phytochemical and In Silico Analysis. Siddiqui S, Upadhyay S, Ahmad R, Barkat MA, Jamal A, Alothaim AS, Hassan MZ, Rahman MA, Arshad M, Ahamad T, Khan MF, Shankar H, Ali M, Kaleem S, Ahmad J. Appl Biochem Biotechnol. 2022 Dec;194(12):5918-5944. doi: 10.1007/s12010-022-04040-1.



Conference attendance/presentations: (Include recent 3 presentations)

1. Synthesis, spectral characterization and biological activity of coumarin containing thiazolo[3,2-a]pyrimidine derivatives. 29th Malaysian Analytical Chemistry Symposium (skam29), Malaysia, August 2016.
2. Design, synthesis and evaluation of N-(substituted benzothiazol-2-yl)amides as anticonvulsants and neuroprotectives, 8th AFMC International Medicinal Chemistry Symposium "Frontier of Medicinal Science" held on Dec. 2011 Tokyo.
3. Design, synthesis and anticonvulsant activity of some newer benzodioxolyl-isoxazoline derivatives. APP conference held at Ali-Alan College of Pharmacy, Nandurbar, India, 2014.