

## **Dr. Jamshed Haneef**



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**5. Brief Overview**

I am working as an Assistant Professor in the Department of Pharmaceutical Chemistry, School of Pharmaceutical Education and Research, Jamia Hamdard, New Delhi. I have completed a Master in Pharmaceutical Science from Jamia Hamdard with Distinction and recipient of the University Gold Medal. I moved to Panjab University, Chandigarh to pursue PhD as a DST-Inspire Fellow and was awarded the doctorate in 2017. I am engaged in teaching and research for the last eight years. My research area focuses on the Crystal Engineering of Pharmaceuticals to improve their biopharmaceutical properties. Besides, exploring different polymorphic forms of drug molecules to expand the solid-state landscape and understand their Structure-Property Relationship. I have published research and review papers in National and International Journals. I was awarded the prestigious RSC Early Career Award in 2020 worth £ 4000 funded by the Royal Society of Chemistry, Cambridge, UK. I have completed one UGC Major Research Project, one International RSC Minor Project and one ICMR-funded project is going on. Currently, four students are doing PhD under my supervision. Recently, I have been granted one Indian Patent in the field of Cocrystallization in 2023. In addition, my research group is focused on the Sustainable Development of Diverse Solid Forms using Ball mills and achieving green chemistry goals with limited use of solvents. I am passionate about collaborating with a research lab working in the field of green chemistry to develop pharmaceuticals with better therapeutic efficacy.

## 6. Academic Qualification (Undergraduate Onwards)

S.No	Degree	Year	Subject	University/Institution
1.	B. Pharm	2008	Pharmaceutical Sciences	Uttar Pradesh Technical University, Lucknow, India First division 77.44 % marks with Honors
2.	M.Pharm	2011	Pharmaceutical Analysis	Jamia Hamdard, New Delhi CGPA 9.13 with <u>Distinction</u>
3.	PGDIPR	2012	Post Graduate Diploma in Intellectual Property Rights	Indira Gandhi National Open University, New Delhi First division with 69% marks
4.	PhD	2017	Pharmaceutical Sciences	Panjab University, Chandigarh

## 7. Work experience (in chronological order)

S. No.	Positions held	Name of the Institute	From	To	Pay Scale
1	Asst. Professor	Lovely Professional University, Punjab	11-01-2018	29-12-2018	15600-39100 (AGP 6000)
2	Asst. Professor	Jamia Hamdard	01-01-2019	Till date	15600-39100 (AGP 6000)

## 8. Professional Recognition/Award/ Prize/Certificate, Fellowship received by the applicant.

S. No	Name of Award	Awarding Agency	Year
1.	Qualified Graduate Aptitude Test for Engineering (GATE)	IIT, Roorkee	2009
2.	University Gold Medal Award (M. Pharm Degree)	Jamia Hamdard	2012
3.	JRF-INSPIRE	DST, New Delhi	2013
4.	SRF- INSPIRE	DST, New Delhi	2015
5.	Young Scientist Travel Award	DST, New Delhi	2016
6.	Bursary Award	Immunology Foundation, New Delhi	2017
7.	Bursary Award	DST, New Delhi	2017
8.	International Travel Grant	Royal Society of Chemistry, UK	2018
9.	Best Oral Presentation Award	2 <sup>nd</sup> International Conference of Pharmacy, Lovely Professional University, Punjab, India	2019

10.	Early career Research Fund Award	Royal Society of Chemistry, UK	2020
11.	Best Poster Paper Award	4 <sup>th</sup> One day National webinar organized by Department of Pharmaceutical Chemistry, Jamia Hamdard, New Delhi	2021
12.	Best Oral Presentation Award	National Conference on Interdisciplinary Approaches in Chemical Sciences, Jamia Millia Islamia, New Delhi	2023
13.	Prof. M.L. Schroff “Pharma Recognition Award”	Team Pharma Lok	2023
14.	Faculty Research Award	Careers 360	2023

## 9. Research Projects

S. No.	Title	Funding Agency	Period	Grant/Amount (Rs.)
1.	Crystal Engineering of Canagliflozin for Improving Type 2 Diabetes Mellitus Associated Metabolic Syndrome (completed)	UGC Startup Grant, New Delhi	2019 – 22	1000000/-
2.	Investigating Mechanical Anisotropy in Polymorphs of Ambrisentan: Structural and Preformulation Evaluation (completed)	Royal Society of Chemistry, UK	2020-22	338301/- (£ 3500)
3.	Improving biopharmaceutical attributes of sodium-glucose co-transporter 2 inhibitors for the management of Type 2 Diabetes mellitus-associated metabolic syndrome using cocrystallization approach (Ongoing)	ICMR, New Delhi	2024-2027	4215081/-

## 10. Patent filed/ granted

Name of Inventors	Name of Applicant	Patent Title (Patent Number & Date)	Status (Filed / Published / Granted)
<b>Jamshed Haneef,</b> Neelofar & Aastha Sharma	Jamia Hamdard	Canagliflozin-Ascorbic Acid Cocrystal and Its Method of Preparation (Patent No. 475661 dated 30/11/2023)	Granted

**11. Publication (List of papers published in SCI Journals, in year-wise descending order).**

S. No.	Author(s)	Title	Name of Journal (Publisher) Impact Factor	Volume	Page	Year
1.	<b>Jamshed Haneef,</b> Mohd Danish Khan	Harnessing the Potential of PAT tools in Pharmaceutical Crystallization	International Journal of Pharmaceutical Sciences and Research (Open access)	16 (6)	1000-1015	2025
2.	<b>Jamshed Haneef,</b> Mohd Danish Khan	Crystal Engineering of Canagliflozin: Comprehensive Overview of Diverse Solid Forms and Future Perspectives	Journal of Molecular Structure (Elsevier) IF = 4.0	1322	140318	2025
3.	<b>Jamshed Haneef,</b> Shourya Ghosh	Determination of Calcium Content in Rice Varieties using Flame Photometry and Titrimetric Methods	Plant Archive (Open access)	24 (2)	649-652	2024
4.	<b>Jamshed Haneef,</b> Shakir Ali	Multicomponent Amorphous Solid Forms of Telmisartan: Insights into Mechanochemical Activation and Physicochemical Attributes	AAPS PharmSciTech (Springer) IF = 3.4	25 (84)	1-11	2024
5.	Km Neelofar, <b>Jamshed Haneef,</b> Jamal Ahmad, Khursheed Alam, Rana Zaidi	Anti-glycating and anti-cytotoxic effect of silibinin on albumin at early glycation: A physiochemical study	Archives of Biochemistry and Biophysics (Elsevier) IF = 3.8	753	109916	2024
6.	<b>Jamshed Haneef,</b> Mohd Danish Khan	Liquid Chromatographic Methods for the Analysis of Canagliflozin: Concise Overview and Greener Assessment	Analytical Methods (RSC) IF = 2.7	15	4627-4639	2023
7.	<b>Jamshed Haneef,</b> Datta Markad, Renu Chadha, Amit Kumar, Navin Kumar	Structural Insights Into Mechanical Anisotropy In Ambrisentan Polymorphs	CrystEngComm. (RSC) IF = 2.6	25	4167-4174	2023
8.	<b>Jamshed Haneef,</b> Mohd Amir, Nadeem Ahmed Sheikh, Renu Chadha	Mitigating Drug Stability Challenges Through Cocrystallization	AAPS PharmSciTech (Springer) IF = 3.3	24(62)	1-18	2023
9.	Maryam Shamim Siddiqui, Mohd Danish Khan, Asif Husain, Mymoona Akhter, <b>Jamshed Haneef</b>	Spectrophotometric determination of ampicillin using chromogenic reagents (MBTH and PDAC) and their application in pharmaceutical formulation	Journal of Pharmaceutical Research Science & Technology (Open access)	7(2)	54-61	2023

10.	Ayesha Siddiqui, Pooja Jain, Thompson Santosh Alex, Mohammed Asgar Ali, Nazia Hassan, <b>Jamshed Haneef</b> , Punnoth Poonkuzhi Naseef, Mohamed Saheer Kuruniyan, Mohd. Aamir Mirza, Zeenat Iqbal	Investigation of a Minocycline-Loaded Nanoemulgel for the Treatment of Acne Rosacea	Pharmaceutics (MDPI) IF = 6.525	14	2322	2022
11.	Mahfoozur Rahman, Joina Gunjan Singh, Obaid Afzal, Abdulmalik Saleh Alfawaz Altamimi, Majed Alrobaian, <b>Jamshed Haneef</b> , Md. Abul Barkat, Waleed H Almalki, Rahul Shukla, Shehla Nasar Mir Najib Ullah, Vikas Kumar, Sarwar Beg	Preparation, Characterization, and Evaluation of Curcumin–Graphene Oxide Complex-Loaded Liposomes against Staphylococcus aureus in Topical Disease	ACS Omega (ACS) IF = 3.7	7(48)	43499-43509	2022
12.	<b>Jamshed Haneef</b> , Shakir Ali, Renu Chadha	Emerging Multi-Drug Eutectics: Opportunities and Challenges	AAPS PharmSciTech (Springer) IF = 3.3	22(2)	1-17	2021
13.	Nitin Kumar Bhatt, <b>Jamshed Haneef</b> , Manish Vyas, Gopal L. Khatik.	Development of L-lysine amino acid-based cocrystal of Telmisartan using crystal engineering approach to improve solubility, dissolution, and micrometric properties	Current Drug Delivery (Bentham Publications) IF = 2.8	18 (5)	596-606	2021
14.	<b>Jamshed Haneef</b> , Datta Markad, Renu Chadha	Interaction maps driven cocrystallization of ambrisentan: structural and biopharmaceutical evaluation	Crystal Growth & Design (ACS) IF = 3.2	20	4612-4620	2020
15.	<b>Jamshed Haneef</b> , Renu Chadha	Sustainable synthesis of ambrisentan - syringic acid cocrystal: Employing mechanochemistry in the development of novel pharmaceutical solid form	CrystEngComm. (RSC) IF = 2.6	22	2507-2516	2020
16.	<b>Jamshed Haneef</b> , Poonam Arora, Renu Chadha	Implication of Coformer Structural Diversity on Cocrystallization Outcomes of Telmisartan with	AAPS PharmSciTech (Springer)	21(10)	1-11	2020

		Improved Biopharmaceutical Performance	IF = 3.3			
17.	<b>Jamshed Haneef,</b> Renu Chadha	Implication of Differential Surface Anisotropy on Biopharmaceutical Performance of Polymorphic Forms of Ambrisentan	Journal of Pharmaceutical Sciences (John-Wiley) IF = 3.7	108	3792-3802	2019
18.	<b>Jamshed Haneef,</b> Renu Chadha, Vijay Gupta, Sanjay K. Mandal	Novel Polymorph of Ambrisentan: Characterization and Stability	Journal of Pharmaceutical & Biomedical Analysis (Elsevier) IF = 3.1	153	102-109	2018
19.	<b>Jamshed Haneef,</b> Monica Gulati, Renu Chadha	Development of green bioanalytical hplc method for estimation of irbesartan in rat plasma: Towards greener chromatographic science	Sustainable Chemistry and Pharmacy (Elsevier) IF = 5.5	10	84 -88	2018
20.	<b>Jamshed Haneef,</b> Renu Chadha.	Antioxidant-Based Eutectics of Irbesartan: Viable Multicomponent Forms for the Management of Hypertension	AAPS PharmSciTech (Springer) IF = 3.3	19	1191-1204	2018
21.	<b>Jamshed Haneef,</b> Renu Chadha	Drug-Drug Multicomponent Solid Forms: Cocrystal, Coamorphous and Eutectic of Three Poorly soluble Antihypertensive Drugs Using Mechanochemical Approach	AAPS PharmSciTech (Springer) IF = 3.3	18	2279-2290	2017
22.	Renu Chadha, Mohit Sharma, <b>Jamshed Haneef</b>	Multicomponent solid forms of felodipine: preparation, characterization, physicochemical and in-vivo studies	Journal of Pharmacy and Pharmacology (RPS) IF = 3.8	69	254-264	2017
23.	Poonam Arora, Amandeep Kaur, <b>Jamshed Haneef,</b> Renu Chadha	Solubility improvement of telmisartan by cocrystallization with citric acid	International Journal of Pharmaceutical Sciences & Research (SPSR)	8(9)	3768-3775	2017
24.	Renu Chadha, <b>Jamshed Haneef</b>	Near-Infrared Spectroscopy: Effective tool for screening of polymorphs in pharmaceuticals	Applied Spectroscopy Reviews (Taylor & Francis) IF = 5.4	50(7)	565-583	2015

25.	Renu Chadha, Swati Bhandari, <b>Jamshed Haneef</b> , Sadhika Khullar, Sanjay Mandal	Cocrystals of telmisartan: characterization, structure elucidation, in vivo and toxicity studies	CrystEngComm (RSC) IF = 3.2	16	8375–8389	2014
26.	<b>Jamshed Haneef</b> , Mohammad Shaharyar, Asif Hussain, Mohd Rashid, Ravinesh Mishra, Nadeem A. Siddique, Manoj Pal	Analytical methods for the detection of undeclared synthetic drugs in traditional herbal medicines as adulterants	Drug Testing & Analysis (John-Wiley) IF = 2.6	5	607-613	2013
27.	<b>Jamshed Haneef</b> , Mohammad Shaharyar, Asif Husain, Mohd Rashid, Ravinesh Mishra, Shama Parveen, Niyaz Ahmed, Manoj Pal, Deepak Kumar	Application of LC-MS/MS for quantitative analysis of glucocorticoids and stimulants in biological fluids	Journal of Pharmaceutical Analysis (Elsevier) IF = 6.1	3(5)	341-348	2013

## 12. Role as Supervisor

- Supervised **Six students** for the award of **M. Pharm degree**.
- Presently supervising **03 PhD** (as supervisor) and **02 PhD** (as co-supervisor) students.

## 13. Books/Reports/Chapters/General article etc.

Sl. No.	Title with page nos.	Author's Name	Publisher	Year of Publication
1.	Clinical and diagnostic implications of glycosylated albumin in diabetes mellitus: An update. Pages 1-13	Km Neelofar, <b>Jamshed Haneef</b> , and Farah Khan	Bentham Science Publisher	2023
2.	Quality by design-based development of nondestructive analytical techniques. Pages 153-166	<b>Jamshed Haneef</b> and Sarwar Beg	Academic Press	2021
3.	Introduction to analytical quality by design. Pages 1-14	Sarwar Beg, <b>Jamshed Haneef et al.</b>	Academic Press	2021

**14. Conference Publications & Presentations (Only selective):**

- 24<sup>th</sup> Congress & General Assembly of the International Union of Crystallography, Hyderabad, India (Poster Abstract ID – MS 115. P15) published in Acta Crystallographica Section A 2017, A73, C761.
- Conference 2016: From drug discovery to health outcomes: Population to patient. An international symposium held jointly by CSPS and CC-CRS, May 31-June 3, 2016, Vancouver, BC, Canada (Poster Abstract ID- 27) published in Journal of Pharmacy & Pharmaceutical Sciences 2016, 19 (3), 1s-126s.

**15. Memberships**

- Member, Royal Society of Chemistry, Cambridge, UK (Membership No. 642328)
- Regular Member, American Chemical Society, USA (Membership No. 32294924)
- Registered Member, Canadian Society for Pharmaceutical Sciences (Membership No. 8429)
- Life Member, Association of Pharmaceutical Teachers of India, Bangalore, India (Membership ID: ND/LM-149)
- Registered Member, Indian Science Congress Association, Kolkata, India (Membership No. A1305)
- Life Member, Indian Pharmacy Graduates Association (Membership No. 5528)
- Life Time Member, The Association of Young Pharma Professionals (TAYPP-647)

**16. Collaborative Research Work**

- University Institute of Pharmaceutical Sciences, Panjab University, Chandigarh, India
- Department of Mechanical Engineering, Indian Institute of Technology Ropar, India

**17. Administrative responsibilities**

- Member, AQAR Criteria V Team
- Member, School Board of Studies
- Member, PCI Approval Committee
- Chairperson, D. Pharm Course Committee
- Member, Disposal Committee of CIF, SPER
- Member, SPER CIF Committee
- Member, UMS committee SPER
- Member, SRAC committee SPER
- Member, Library Committee, SPER



**18. Details of Orientation Programs, Refresher Course, Faculty Development Programmes etc. attended as specified in UGC Regulations 2018**

<b>Name of the Course</b>	<b>Place</b>	<b>Duration in week/days and dates</b>	<b>Name and Address of Academic Staff College/Human Resource Development Centre</b>	<b>Sponsoring Agency</b>
Faculty Development Programme	New Delhi	One day (March 25, 2019)	IQAC, Jamia Hamdard, New Delhi	Jamia Hamdard
Faculty Induction Programme (FIP)	New Delhi	One Month (20 <sup>th</sup> October to 18 <sup>th</sup> November 2021)	UGC-Human Resource Development Centre, Jamia Millia Islamia, New Delhi	Jamia Hamdard
Refresher Course	New Delhi	Two weeks (07-21 August, 2022)	Teaching Learning Centre, Ramanujan College, University of Delhi	Jamia Hamdard

**19. Resource Person/ Keynote speaker in Conference/ Workshop attended**

- Attended Short Course on “Surface Area and Porous Material Characterization” organized by IIT Delhi on March 12, 2019
- Participated in Online Training School “Mechanochemistry: from supramolecular to covalent bonds – synthesis and structural characterization” organized by University of Lisbon, Lisbon from March 22, to March 25, 2021.
- Participated in “Seminar on Research Ecosystem in Higher Education Institutions and Its Impact on Accreditation and Ranking” organized by IQAC, Jamia Hamdard, New Delhi on August 01, 2022.
- Resource Person in DST-STUTI One Week Training Programme on “NMR on Mapping Molecules with Magnet” at Jamia Hamdard, New Delhi from October 28 to November 3, 2022.
- Resource Person in “Innovation Conclave -22” organized by Centre for Teaching Support and Innovations, Jamia Hamdard, New Delhi on November 17, 2022.
- Keynote Speaker in One day National Conference organized by Himalayan Institute of Pharmacy, Kala Amb, Himachal Pradesh on December 03, 2022
- Participated in “National Workshop on Concepts and Applications of Single Crystal X-ray Diffraction” organized by Aligarh Muslim University, India on March 18-20, 2023.
- Keynote Speaker in One day National Conference organized by Himalayan Institute of Pharmacy, Kala Amb, Himachal Pradesh on November 23, 2023
- Resource Person in International Conference organized by Amity Institute of Pharmacy, Amity University, Uttar Pradesh, Noida (India) on March 20-21, 2024

- Resource Person in Pharma Anveshan 2024, National Pharmacy Education Day organized by School of Pharmaceutical Education and Research, Jamia Hamdard, New Delhi on March 06, 2024.
- Coordinator in the International Conference on Scientific Research in Unani Medicine organized by Centre of Excellence in Unani Medicine, Jamia Hamdard, New Delhi on February 21-22, 2024.

**(Dr. Jamshed Haneef)**