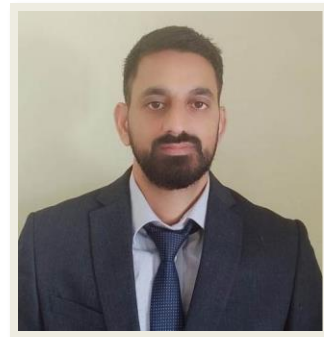


Dr Hem Suman Jamwal

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Dr Hem Suman Jamwal has research experience of eight years. His area of specialization is primarily based on the **Chemistry of Silica based Hybrid polymers** focusing precisely on the design, synthesis, characterization and properties of these new materials, especially their use in water technologies and drug delivery.

Academic Qualifications

1. Ph.D-“New polymer and Silica based hybrid materials for speciality applications ” from Himachal Pradesh University Shimla, H.P. (2016).
2. M. Phil-“Synthesis,functionalization and Characterization of hypercross linked beads and hydrogels of styrene and acrylamide for use in water technologies” with 69 % from Himachal Pradesh University Shimla, H.P. (2008).
3. M.Sc – Chemistry (Specialization: Organic Chemistry), with 72 % from Himachal Pradesh University Shimla, H.P. (2006).
4. B.Sc (NM), with 74% from Himachal Pradesh University Shimla, H.P. (2004).
5. 10+2 with 77 % from Himachal Pradesh Board of School Education Dharamshala, H.P.(2000).
6. 10th, with 51% from Central Board of Secondary Education, Delhi (1998).

Additional Academic Qualifications

Joint CSIR-UGC (NET) qualified (2009)

Professional Experiences

Assistant Professor, Department of Chemistry, MLSM Degree College, Sundernagar (20.09.2010 to 31.10.2018)

Assistant Professor, Department of Higher Education, Government of Himachal Pradesh (01.11.2018-till date)

Publications in Journals

1. Designing silica based hybrid polymers and their application in the loading and release of fluorescein as a model drug and diagnostic agent, Adv. Polym.Technol.,00,21681(2016), Hem Suman Jamwal and Ghanshyam S Chauhan
2. New silica- titania based polymeric hybrid materials for the removal of CuII ions from their aqueous solutions, J Environ.Chem Eng.,4,2518-2528(2016), Hem Suman Jamwal, Sapan Kumari,Ghanshyam S Chauhan,Jou Hyeon Ahn and N Subba Reddy.

3. Silica-polymer hybrid materials as methylene blue adsorbents, J Environ.Chem Eng., 5 ,103-113 (2017),Hem Suman Jamwal, Sapan Kumari,Ghanshyam S Chauhan,Jou Hyeon Ahn and N Subba Reddy.
4. Silica-titania based mesoporous hybrid polymers for uptake and release of anticancer drug paclitaxel,SMC Bulletin, 9(2) ,58-63 (2018),Hem Suman Jamwal,Sunita Ranote,Dharmender Kumar,Ghanshyam S Chauhan and Rohini Dharela.
5. Gelatin-based mesoporous hybrid materials for Hg²⁺ ions removal from aqueous solutions, Separation and Purification Technology, 239,116513 (2020), Hem Suman Jamwal, Sunita Ranote, Dharamender Kumar, Ghanshyam S. Chauhan and Monica Bansal.
6. Designing an effective and inclusive curriculum: Scope, objectives and methodologies,International journal for innovative research in multidisciplinary field, 8(6),103-107,(2022), Dr. Vinod Kumar, Anjna kumara, Dr. Sunil Kumar, Dr. Hem Suman Jamwal and Monika Thakur.

Refresher Course/Induction/Faculty development Program

S.No.	Name of course	Name of Institution	Duration	Title of Refresher Course/FDP
1	Induction Teacher Training Programme	Government College of teacher Education Dharamshala(Kangra), Himachal Pradesh	28th Oct-10th Nov., 2020	2-weeks refresher course for Assistant Professors (Colleges) with 0-5 years of service
2	Induction/Orientation Programme	Teaching Learning Centre, Ramanujan College, University of Delhi	21 March-19 April, 2022	4-weeks Induction/Orientation Programme for faculties in universities/colleges/Institutes of Higher education under the aegis of Ministry of Education Pandit Madan Mohan Malaviya national Mission on Teachers and Teaching.
3	Refresher course	Teaching Learning Centre, Ramanujan College, University of Delhi.	29 th Nov, 2022-13 th Dec, 2022	2-weeks refresher course in Chemistry for faculties in universities/colleges/Institutes of Higher education under the aegis of Ministry of Education, Pandit Madan Mohan Malaviya national Mission on Teachers and Teaching.

Webinar/Seminar/Workshop

S.No.	Name of course	Name of Institution	Duration	National/ International
1	One day Knowledge Sharing Programme	Organized by IBS,ICFAI Business School at MLSM College Sundernagar	22th July,2018	National
2	One day National Workshop on ICT tools for Chemistry teachers	Guru Angad Dev TLC,SGTB Khalsa College,University of Delhi	22 th February,2021	National
3	One day National Webinar on Experiential learning as envisaged in NEP-2020	Guru Angad Dev TLC,SGTB Khalsa College,University of Delhi	19 th june,2022	National