

Govt. College Jukhala
(Affiliated to Himachal Pradesh University)

Name: Dimpal Chauhan
Department: Chemistry
Current Designation: Assistant Professor
Email id: dimpalchauhan83@gmail.com

Academic Qualifications:

2002-2005: B. Sc (Medical) (1st Division), H.P. University Shimla
2005-2007: M. Sc. Chemistry (Specialization in Organic chemistry)
(1st Division), H.P. University Shimla
2007-2008: M. Phil (Organic Chemistry), H.P. University Shimla

Academic Achievements:

Qualified: CSIR(JRF)- NET in December, 2008,
SLET (H.P.) in December, 2008
GATE (2008)

List of Publications:

1. Singh, Baljit, Vikrant Sharma, and Dimpal Chauhan. "Gastroretentive floating sterculia–alginate beads for use in antiulcer drug delivery." *Chemical Engineering Research and Design* 88.8 (2010): 997-1012. <http://dx.doi.org/10.1016/j.cherd.2010.01.017>IF-3.9
2. Singh, Baljit, and Dimpal Chauhan. "Barium ions crosslinked alginate and sterculia gum-based gastroretentive floating drug delivery system for use in peptic ulcers." *International Journal of Polymeric Materials* 60.9 (2011): 684-705. <http://dx.doi.org/10.1080/00914037.2010.551354>IF- 3.2
3. Chauhan, Dimpal, Ravi Kumar, Naveen Thakur, and Kuldeep Kumar. "Exploring transition metal (Co, Cu, and Zn) doped magnesium oxide nanoparticles for their environmental remediation potential." *Materials Science and Engineering: B* 302 (2024): 117256. <https://doi.org/10.1016/j.mseb.2024.117256>IF-3.6

4. Chauhan, Dimpal, Ravi Kumar, Naveen Thakur, Mahender Singh, and Kuldeep Kumar. "Ocimumsanctum-Mediated Co/Cu/Zn-Doped Magnesium Oxide Nanoparticles: Photocatalytic, Antibacterial, and Antioxidant Properties for Environmental Remediation." *Hybrid Advances* (2024): 100199.<https://doi.org/10.1016/j.hybadv.2024.100199>

Papers presented in National & International Conferences:

1. Presented a poster entitled, 'Green synthesis of Pure and doped Magnesium oxide nanoparticles' in the International Conference on Recent Trends in Bio and Material Sciences, October 11th-12th, 2022 organised by Him Science Congress Association at Sardar Patel University, Mandi, Himachal Pradesh.
2. Presented a paper entitled, 'Biosynthesis of Magnesium oxide nanoparticles using leaf extract of Mint plant' in 2nd International Conference on "Emerging Scenario of Science, Technology and Innovation- 2023" organised by School of Basic and Applied Sciences, Career Point University, Hamirpur (H.P.) on dated 24th-25th February, 2023.
3. Presented a paper entitled, 'Assessment of Potability of Water: A Case Study of Bilaspur Sadar' in 'National Conference on 'Environmental Concerns in Himalayan Region' organised by IQAC, Govt. College Jukhala, H.P. on dated 20/05/2023.
4. Presented a paper in an International conference on "Recent Trends in Engineering Science and Technology" organized by Govt. Hydro Engineering College Bandla, Bilaspur (H.P.) on 29th and 30th January, 2024.
5. Presented a paper in an International conference on "Recent Trends and Innovations for a Greener Future" organized by Department of Chemistry, NSCBM Govt. College Hamirpur, H.P. on 9th-10th February, 2024.

Refresher Courses/ Faculty Development Program/ Workshops attended:

1. Two-week Refresher Course in “Chemistry” from 29th November- 13th December, 2022 and obtained **Grade A+**, organized by Teaching Learning Centre, Ramanujan College, University of Delhi.