

Dr Sanjay Dahiya

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Educational Qualifications

Degree	Year of Passing	University/Institute
B.Sc.	1983	M.D. University, Rohtak
M.Sc. Physics	1985	M.D. University, Rohtak
M.Phil	1987	Kurukshetra University, Kurukshetra
Ph.D	2014	M.D. University, Rohtak

Career Profile

Designation	Institute served	Duration
Lecturer (Adhoc)	M.D. University, Rohtak	08.08.1985 to 31.03.1986
Lecturer	A.I.J.H.M. College, Rohtak	05.09.1987 to 10.07.1989
Lecturer	M.D. University, Rohtak	10.07.1989 to 31.12.2005
Associate Professor	M.D. University, Rohtak	01.01.2006 to 08.08.2014
Professor	M.D. University, Rohtak	09.08.2014 to till date

Projects Undertaken

Title of the Project	Duration	Funding Agency	Status
Synthesis & characterization of oxide glasses containing heavy metals	2011-2013	UGC	Completed

List of Research Publications: International/National Journals

1. Ashwani Sharma, Pallavi, Sanjay and Sanjay Dahiya: Synthesis and characterization of calcinated ZnO particles. Technical Reviews (AES-ATEMA), Canada. ISBN 978-0-9866504-9-9.
2. Ashwani Sharma, Pallavi, Sanjay Kumar and Sanjay Dahiya Impact of nanotechnology in nanomedicine. Reviewed proceedings of National Seminar on challenges in combating diseases.215-217(2012) ISBN-978-81-920945-2-6.
3. Sanjay, N. Kishore, A.Agarwal, I. Pal S. Dahiya, Study of electron paramagnetic resonance spectra of lead borovanadate glasses containing MoO₃ content. International Journal of Modern Physics(Vol.22(2013) 292-297. ISSN.2010-1945.
4. Ashwani Sharma, Pallavi, Sanjay, Sanjay Dahiya and NarenderBudhiraja: Synthesis and characterization of Ce-O-NiO nanocomposites. Advances in Applied Science Research, 2013, 4 (1), 124-130.ISSN 0976-8610.
5. Ashwani Sharma, Sanjay Kumar,NarenderBudhiraja,Sanjay Dahiya and Mohan Singh: Effect of calcination on optical properties and morphology of NiO-CuO nanocomposites. Archives of Applied Sciences Research, 2013, 5(3) 12-128. ISSN 0975-508X.
6. Narender Budhiraja, Ashwani Sharma, Sanjay Dahiya, Rajesh Parmar and Viji-Vidhyadharan: Synthesis and applied characteristics of silver nanoparticles on different substrates. International Letters of Chemistry, Physics and Astronomy, 2013 (14), 80-88.ISSN 2299-3843.
7. Sanjay Kumar, Ashwani Sharma, Narender Budhiraja and Sanjay Dahiya: Effect of calcination on morphology and optical properties of AlO-CeO nanocomposites. Archives of Applied Sciences Research 2013, 5 (5) 202-206. ISSN 0975-508X.
8. Sanjay Dahiya, R.Punia, Sanjay, R.S.Kundu, Ashwani Sharma and Nawal Kishore: Effect of B₂O₃ on physical and structural properties of 95{x B₂O₃ (100-x) Bi₂O₂}.5Fe₂O₃ glass system. Journal of Scientific and Technical Research, 2013, vol. 3. No. 1 (7-13).ISSN 2278-3350.
9. Sanjay, Nawal Kishore, A.Agarwal,Sanjay Dahiya, Inderpal and Naveen Kumar: Optical and spectroscopic studies of Fe₂O₃-Bi₂O₃-B₂O₃: V₂O₅ glasses. Modern Physics Letters B 2013, vol. 27 No. 28, 1350207 (10). ISSN 0217-9849.
10. Narender Budhiraja, Ashwani Sharma, Sanjay Dahiya, Sanjay Kumar and Rajesh: Influences of dopant concentration on crystallography, optical and electrical properties of cadmium oxide nanoparticles. Journal of Nanomaterials & Molecular Nanotechnology, 2014, 3:2.1000145.ISSN 2324-8777.
11. Sanjay Dahiya, Ashwani Sharma, Sanjay and N. Kishore, (2014), Effect of Fe₂O₃ on physical properties and structures of Bi₂O₃-B₂O₃-Fe₂O₃ glasses. Archives of Physics Research, 5(1), 42-50. ISSN 0976-0970.
12. N. Kishore, Sanjay, A. Agarwal, Sanjay Dahiya, Inder Pal. Study of Electrical Conductivity and Dielectric Behaviour of Molybdenum containing Bismuth Borate Glasses. IOP Conf. Series: Materials Science and Engineering 73 (2015) 012041 ISSN 1757-899X.
13. Sanjay, N. Kishore, R. Kundu, S. Dahiya, I. Pal, S. Dhankhar, and R. Punia: Characterization and optical properties of Fe₂O₃-PbO-B₂O₃ glasses,AIP Conference Proceedings 1728, 020549 , 2016.

14. Rajesh Kumar, Praveen, Ashwani Sharma, R. Parmar, S. Dahiya, and N. Kishor: Effect of dopant NiO concentration and duration of calcinations on structural and optical properties of MgO-NiO nanocomposites, AIP Conference Proceedings 1728, 020193 ,2016.
15. Rajesh Kumar, Praveen, Ashwani Sharma, R. Parmar, S. Dahiya, and N. Kishor: Effect of calcinations durations and temperature on optical and structural properties of MgO-CuO nanocomposites, AIP Conference Proceedings 1728, 020385, 2016.
16. Rajesh Kumar, Ashwani Sharma, R. Parmar, S. Dahiya, and N. Kishor. Effect of doping concentration of silver on structural and optical properties of cadmium oxide (CdO) nanostructure, AIP Conference Proceedings 1728, 020321 ,2016.

No. of Research Papers presented (Oral/Poster) in International/National Conferences: 20

Other contributions

- **Life member, The Indian Science Congress Association**
- **Life member, The Indian Thermodynamics Society**
- **Life member, The Material Research Society of India**
- **Chairman, P.G. Board of Studies, M.D.University, Rohtak**
- **Chairman, U.G. Board of Studies, M.D.University, Rohtak**
- **Member, Academic Council, M.D.University, Rohtak**
- **Outside Expert, U.G. Board of Studies, D.C.R.U.S.T, Murthal (Sonapat)**
- **Member, Selection committee of University and affiliated Colleges**
- **Subject expert, Uttarakhand Public Service Commission**
- **Subject expert, Manipur Public Service Commission**
- **Examiner for Practicals and Ph. D thesis evaluation of different universities.**