Dr. M. P. Sharma, Assistant Professor

School of Physical Sciences

Department of Pure & Applied Physics

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Qualifications

M.Sc. (Physics) , Ph.D (Physics) – University of Rajasthan, Jaipur, (Awarded 2009)

Area of Interest/Specialization

1. Materials Science
2. Multiferroics and Magnetic Oxide materials

Experience

1. Working as **Assistant Professor** in Department of Pure & Applied Physics, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.), since July 2011.
2. Worked as **Assistant Professor** (ad-hoc) in Department of Pure & Applied Physics, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.), from July 2010 to June 2011.
3. Worked as **SRF (Extended)** (direct awardees of CSIR, Govt. of India) in the Department of Physics, University of Rajasthan, Jaipur, since May 2009 to June 2010.

Awards and Honors

1. Life Member: Indian Society for Particle Accelerator (ISPA)
2. Life member of Nuclear Track Society of India
3. Life member of Indian Physics Association

Best Peer Reviewed Publication (up-to 10)

1. 'EPR Study of CeO_2 Nanoparticles', Dinesh Uthra and **M P Sharma**, Materials Sc. Forum, 1048 (2022) 130.
2. 'Synthesis and characterization of CeO_2 nano particles', Dinesh Uthra, **M P Sharma** and H S Tewari, AIP Conf. Proc., 2352, (2021) 040028.
3. 'Synthesis and characterization of cerium substituted cobalt ferrite', **M P Sharma**, Dinesh Uthra and H S Tewari, AIP Conf. Proc., 2352, (2021) 020058.
4. 'EPR study of Mn site substituted Pr based Doped Rare Earth Manganites', Dinesh Uthra and **M P Sharma**, J. Phys.: Conf. Ser. 2070 (2021) 012035.
5. Comparative study between microwave and infrared assisted peeling of ginger', Dinesh Uthra, **M P Sharma** and Natasha Mendiratta, Materials Today: Proc, 46 (6), (2021) 2183.
6. 'Synthesis and Characterization of TiO_2 Thin Films for Optoelectronics Applications'', R.K. Pandey, Swati Mishra, Avik Karmakar, **M.P. Sharma** and P.K. Bajpai, J. of Pure Applied and Ind. Phy., **5**(10), (2015) 289-297.

7. ‘Raman Analysis of Ni Doped ZnO (Ni:ZnO) Thin Films by Sol-Gel Spin Coating System for Device Applications’, R.K. Pandey, Swati Mishra, Rashmi Tiwari, **M.P. Sharma** and P.K. Bajpai, Int. J. Elect. & Electr. Research**,** 3 (4), (2015) 27-31.
8. ‘Effects of swift heavy ion irradiation on dielectric relaxation and conduction mechanism in Ba0.90Sr0.10TiO3’, C.R.K. Mohan, Ranajit Dey, Shiv P. Patel, M. P. Sharma, R. K. Pandey and P.K. Bajpai, Nucl. Instr. Meth. Phys. Res. B, 372 (2016) 50-57.
9. ‘Transport properties of the layer manganite $La_{1.5}Ca_{1.5}Mn_{2-x}Fe_xO_7$’ **M.P. Sharma**, Anjali Krishnamurthy and Bipin K. Srivstava, World J. of Condens. Matter Physics, **1** (2011) 152-156.
10. ‘Magnetic and electrical transport properties of Ce substituted perovskite oxides $La_{1-x}Ce_xMnO_3$’ **M. P. Sharma**, Anjali Krishnamurthy, Bipin K. Srivastava, Swati Pandya and V. Ganesan, Indian Journal of Cryogenic, **33**, (2008) 22.

Research Supervision

1. **Ph.D.** : 03 in process
2. **M.Sc. (Physics and Electronic)**: more than 50 Students completed.

Administrative Responsibilities

1. NSS Program Officer, Physical Sciences Unit, GGV, Bilaspur

Additional Information

None