# Dr. M. P. Sharma

Assistant Professor
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**Academic Details:**

1. **Assistant Professor**: Department of Pure & Applied Physics, Guru Ghasidas Vishwavidyalya, Bilaspur. (From July 2010).
2. **Ph.D.**: Univ. of Rajasthan, Jaipur (Raj.), India. (2009).
3. **M.Sc.**: Master of Science in Physics from IIT, Mumbai, India. (2002).
4. **B.Sc.**: Bachelor of Science in Physics, Mathematics, and Chemistry from M.D.S. University, Ajmer (Raj.), India. (2000).

**Awards and Scholastic Achievements:**

- CSIR SRF (Ext.) - May 2009 – May 2010
- CSIR-NET (JRF – SRF) - 2004 – 2009
- GATE - 2002 & 2004

**Area of Research:**

Materials Science (Material preparation and characterization), Oxide based Ceramics, Multiferroics, Magnetic materials.

**Membership of Technical Societies:**

1. Life member of Nuclear Track Society of India
2. Life member of Indian Physics Association
3. Life member of Indian Society for particle Accelerators (ISPA)

**Publications/Achievements:**

- Total ~ 23 papers published in international and national journals.
- Approximately 30 conferences/seminars attended.

**Selected Publications**

1. '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.
2. '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.
3. 'Electric behaviour of sodium substituted perovskites $La_{1-x}Na_xMnO_3$ (for x=0.1 and 0.2) and the effect of magnetic field'; **M.P. Sharma**, Anjali Krishnamurthy, Bipin K. Srivstava, S.K. Jain and A.K. Nigam, J. Phys.: Condens. Matter **20** (2008) 425220.
4. '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.

5. ‘Magnetic behaviour of nanocrystalline Ni-Cu ferrite and the effect of irradiation by 100 MeV Ni ions’; S.N. Dolia, Ravi Kumar, S.K. Sharma, **M.P. Sharma**, Subhash Chander and M. Singh, Current Applied Physics, **8,** (2008) 620.

## Selected Conferences/Seminars/Workshop’s

1 First International Conference on Advances in Nano-materials and Devices for Energy and Environment (ICAN-2019) Jan. 27-29, 2019 organized by Atal Bihari Vajpayee –Indian Institute of Information Technology and Management, Gwalior, India.

2 National Seminar On Application of nano and Smart Materials, Department of Physics, Sambalpur University, Samblapur, Odisha, during Feb. 23-24, 2018

3 Skill Development Training on Material Characteri-zation Techniques, organized by School of Physical Sc. & Skill Devel. Cell, GGV, Bilaspur during Feb. 16-17, 2017

4 Second International Conference On Materials Science and Technology” at Department of Physics, ST. Thomas Collage Palai, Kottayam, from 5 to 8 June, 2016.