RESUME 

**Dr. Ravi Sharma**

HeadDepartment of Physics,

Govt. Arts and Commerce Girls College

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INDIA

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**Designation:** Assistant Professor

Department of Physics

Govt. Arts and Commerce Girls College

Devendra Nagar

Raipur – 492001 (C.G.)

**Personal Details:**

**Father's Name :** Late Shri. S. S. Sarma

**Date of Birth :** 08 May, 1965

**Gender :** Male

**Marital Status :** Married

**Nationality :** Indian

**Mother Tongue :** Kannada

**Languages Known :** Hindi, English and Kannada.

**Educational Qualifications**: **Ph.D.**, **05 Jan., 2012**

Title of Thesis: **“ Studies on the optical properties of Zns: Mn nanoparticles”**

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| **Sr.No** | **Degree** | **Name of Board/University** | **Year** |
| 1. | **M.Sc.** **(Physics)** | Pt. Ravi Shankar Shukla University, Raipur | 1986 |
| 2. | **B.Sc. (Phys, Chem, Maths)** | Pt. Ravi Shankar Shukla University, Raipur | 1984 |

**Teaching Experience: 31 Years**

**Research Experience 8 years**

**Areas of research interest:**

* Synthesis and characterization of nanostructure luminescent materials.
* Preparation and characterization of thermoluminescence dosimetry phosphors.
* Development of Optoelectronic materials.
* Synthesis and spectroscopic studies of solid- state laser materials.
* Growth and study of defects in crystalline and microcrystalline solids.
* Development of devices for measuring luminescence.
* Studies on thermoluminescence, mechanoluminescence, photoluminescence, and electroluminescence of bulk and nanomaterials.

**Place of research/Collaborations:**

* **Department of Physics, Pt. R.S. University** , Raipur, India
* **Department of Physics, R.T.M. Nagpur University**, Nagpur, India

**Research guidance:**

**Registered guide:**Pt. R.S. University, Raipur & C.V. Raman University, Bilaspur

**Students registered for Ph.D. : 02**

**Awarded : 02**

**Total : 04**

**Research Publications** : **81 Research papers**

* **25** in SCI Journals with impact factor > 1
* **25** in International/National Journals
* **13** in International Conferences
* **11** in National Conferences
* **07** in Conference Proceedings

**Books Published 02**

1. **Optical Characterization of Mn doped ZnS nanoparticles,** Ravi Sharma by lambert Academic Publishing (printed in U.S.A./ U.K.) (**ISBN**: 978-3-8454-2479-8).
2. **Thermoluminescence and Mechanoluminescence of ZnS:Mn Nanoparticles**, Ravi Sharma by lambert Academic Publishing (printed in U.S.A./ U.K.) (**ISBN**: 978-3-8473-7238-7).

**Research Project 04**

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| Grant agency | Title of the project and reference number | Duration,  (from mm/yy to mm/yy) | Percentage of time devoted/ being devoted/ to be devoted, in man months | Amount in lakh Rs. |
| UGC  CCOST  UGC New Delhi  CCOST | Synthesis and Characterization of ZnS: Mn nanoparticles, F.No.:MS-17/202001/09-10  Thermoluminescence of Mn doped ZnS Nanoparticles and their applications  2117/CCOST/MRP/12  Mechanoluminescence studies of ultravoilet irradiated rare earth doped strantium aluminate nanophosphors  F.No.:42-759/2013(SR)  Studies on the optical properties of CdSe nanoparticles  15034/CCOST/MRP/14 | Apr.2010- Dec.2011  2012 JAN.- Sept.2013  April 2013- March 2017  May 2014- June 2016 | 18 months  completed  18 months  completed  48 months  Running  24 months  completed | 1,70,000/-  2,00,000/-  10,28,000/-  5,00,000/- |

**Referee: *International Journals***

1. Journal of Luminescence, ELSEVIER Publication, USA
2. Journal of Alloys and Compounds, ELSEVIER Publication, USA
3. Luminescence: The Journal of Biological and Chemical Luminescence, WILEY INTERSCIENCE Publication, USA.
4. Central European Journal of Physics, Versita, co-published with Springer Verlag
5. Journal of Physics and Chemistry of Solids ELSEVIER Publication, USA
6. Optical and Quantum Electronics, Springer

**Member of Editorial Board:**

* 1. Editorial Board member ofreferred ***Journal Lab to Land***, Published by Chhatisgarh Medico Society, Raipur
  2. Editorial Board member ofan internationalpeer reviewed open access **Research Journal of Recent Sciences (IF 0.32)** Published by **International Science Community Association.**

**Editor:** 1.Journal of pure applied and industrial physics, Vol. 2 issue 3A, 2011.

2. Recent research in science and technology, vol.4, no.8, 2012.

**Convenor:**

* National Conference on ***“NOVEL MATERIALS AND THEIR APPLICATIONS- NCNMA 2012”*** Arts and Commerce Girls College Devendra Nagar Raipur, 16 Oct. 2012.

**Co-ordinator/Pesident**

* International Conference on **Environmental Research, University of Mauritius** 16/09/ 2010 **Reduit, Mauritius**
* 9th International Science Community Association, 8th & 9th December2019 (ISC-2019), BIT Durg, C.G.

**Resource Person**

* SCERT Chhattisgarh
* Academic College, Pt RSU Raipur
* Subject Expert, CG State Higher School Education, B. Ed. College Raipur

**Countries Visited: 11**

***Mauritius, Taiwan, SOUTH AFRICA, ThailanD, Singapore, Italy, Austria, VATICAN City, France, Switzerland***

* **Mauritius**, 2010 To participate and present the paper Nanotechnology: an Environmental Impact, in **ICER 2010,** International Conference of Environmental Research, Sept. 16- 18, 2010 **Reduit**, **Mauritius**
* **Taiwan**, 2010 To participate and present the paper in, “**Econophysics Colloquium 2010**” November 4-6, 2010. Academia Sinica, **Taipei** **Taiwan**
* **South Africa**, 2012(1st - 4 th April 2012: 4 days) Participated and presented paper in the “4th International Conference on Nanoscience and Nanotechnology”,(1st April to 4th April 2012) , Bloemfontein, South Africa.
* **Singapore**, 2017(16- 17th June 2017: 2 days) Participated and presented paper in the “International Seminar on Luminescence and Materials, Nanyang Technological University, Singapore.

**Invited talks: 10**

**Best Research Paper Poster/Oral Presentation Awards:**

1. Anil Choubey, N. Brahme, **Ravi** **Sharma**, D.P. Bisen, and Manju Shukla, Thermoluminescence and Mechanoluminescence of Eu doped SrAl2O4 Nanophosphor, **IRNANO 2009,** Indo- Russian Work Shop on Nanotechnology & Laser Induced Plasma 24-26 nov 2009., NewDelhi
2. Kavita Sharma, Ravi Sharma, National Conference on Environmental Issue, Naveen Kanya Mahavidyalaya, Raipur.

## Honours & Awards:

* Profile published in the ***‘who’s who in the world’*** 31st Edition, 2014, published by Marquis Who's who, publisher of Who's who in **America, USA.**

**Session Chaired in Conferences: Many**

### Membership:

1. Luminescence Society of India
2. American Nano Society
3. Forum of Chalcogenides
4. Research gate, Econophysics
5. Fellow Member, International Science Community Association