



Name – Dr. Shalinta Tigga

Designation – Assistant Professor

School – Physical Sciences

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Qualifications

- Qualified State Eligibility Test (SET)
- Ph. D. Pt. Ravishankar Shukla University Raipur, C.G. India in 2018
- M. Phil. Pt. Ravishankar Shukla University Raipur, C.G. India in 2012
- M. Sc. Pt. Ravishankar Shukla University Raipur, C.G. India in 2010
- B. Sc. Holy Cross Women's College, Ambikapur, C.G. India in 2008

Area of Interest/Specialization: Luminescence

Experience: 2 Years 5 Month (25 November 2019 – Till date)

Best Peer Reviewed Publication

1. Effect of gamma irradiation on thermoluminescence and fracto-mechanoluminescence properties of $\text{SrMgAl}_{10}\text{O}_{17}:\text{Eu}^{2+}$ phosphor, *Optical Materials* 53(2016) 109-115.

2. Photoluminescence and mechanoluminescence investigation of bluish-green afterglow SrMgAl₁₀O₁₇:Ce³⁺ phosphor, Journal of Materials Science: Materials in Electronics DOI 10.1007/s10854-016-6119-4.
3. Investigation on luminescence behaviour of Ce-activated BaMgAl₁₀O₁₇ phosphor, Luminescence DOI 10.1002/bio.3107.
4. Photoluminescence and thermoluminescence studies of CaAl₂O₄:Dy³⁺ phosphor, Luminescence 31(1) 2016 76-85.
5. Study on photoluminescence and thermoluminescence properties of UV-irradiated CaSrAl₂SiO₇:Ce³⁺ phosphors, Journal of Materials Science: Materials in Electronics DOI 10.1007/s10854-017-8048-2.
6. Luminescence properties of dysprosium doped di-calcium di-aluminium silicate phosphors, Optical Materials 58(2016) 234-242.