

~Papers Published in Journals~

1. Thermoluminescence Dosimetric Characteristics of Beta Irradiated Salt,
K.V.R. Murthy, S. P. Pallavi, **Rahul Ghildiyal**, Y. S. Patel, A. S. Sai Prasad, D. Elangovan, Radiation Protection Dosimetry, (2006), Vol. 119, No. 1-4, 350-352.
2. Compact Fluorescent Lamp Phosphors in Accidental Radiation Monitoring,
K.V.R. Murthy, S.P. Pallavi, **Rahul Ghildiyal**, Manish C Parmar, Y.S. Patel, V. Ravi Kumar, A.S. Sai Prasad, V. Natarajan and A.G. Page, Radiation Protection Dosimetry (2006), Vol. 120, No. 1-4, 238-241.
3. Synthesis, characterization and luminescence of $\text{Sr}_3\text{Al}_2\text{O}_6$ phosphor with trivalent rare earth dopant,
Pallavi Page, **Rahul Ghildiyal**, K.V.R. Murthy, Materials Research Bulletin, Volume 41, Issue 10, (2006), Pages 1854-1860.
4. Synthesis and characterization of Sr_2CeO_4 phosphor: Positive features of sol-gel technique,
Rahul Ghildiyal, Pallavi Page and K.V.R. Murthy, Journal of Luminescence, Volume 124, Issue 2, (2007), Pages 217-220.
5. Luminescence study of $\text{Sr}_3\text{Al}_2\text{O}_6:\text{Tb}^{3+}$ phosphor: Photoluminescence and Thermoluminescence Aspects,
Pallavi Page, **Rahul Ghildiyal**, K.V.R. Murthy, Materials Research Bulletin, In Press, Accepted Manuscript, Available online 6, March, 2007.
6. Optically Stimulated Luminescence (OSL) and Thermoluminescence (TL) studies of $\text{BaMgAl}_{10}\text{O}_{17}:\text{Eu}$,
M.C.Parmar, **Rahul Ghildiyal**, Xu Zheng, Suling Zhao, Jiang Wei Wei, A.S. Sai Prasad, K.V.R. Murthy, **Revised and Resubmitted to the Journal of Rare Earth.**
7. Effect of trivalent rare earth doping on the Sr_2CeO_4 phosphor and the subsequent white light emission
Rahul Ghildiyal, Pallavi Page, K.V.R. Murthy, To be submitted to **Journal of Alloys and Compound.**

Papers presented in Seminars/Conferences and also published in the edited volumes

1. Photoluminescence of Strontium Orthophosphate
K.V.R.Murthy, **Rahul Ghildiyal**, S.P.Pallavi, Y.S.Patel, V.Natarajan and A.G.Page
Proceedings of ICLA – 2004, BARC, Mumbai, India
2. Thermoluminescence Studies of Sea Coral Skeletons
K.V.R. Murthy, **Rahul Ghildiyal**, S.P. Pallavi and Y.S. Patel
Proceedings of ICLA – 2004, BARC, Mumbai, India
3. Effect of Grain Size on the Thermoluminescence Output of $\text{BaMgAl}_{10}\text{O}_{17} : \text{Eu}$ Phosphor
A.S. Sai Prasad, S.P. Pallavi, **Rahul Ghildiyal**, M.C. Parmar, B. Subba Rao, R.V. Subramanyam and K.V.R. Murthy
Proceedings of ICLA – 2004, BARC, Mumbai, India
4. Analysis of TL Parameters of Lamp Phosphors
Rahul Ghildiyal, S.P.Pallavi and K.V. R. Murthy
Proceedings of ICLA – 2004, BARC, Mumbai, India
5. Thermally Stimulated Luminescence of Gamma- irradiated $\text{Sr}_2\text{P}_2\text{O}_7 : \text{Eu}^{3+}$ and $(\text{Sr}, \text{Mg})_2\text{P}_2\text{O}_7 : \text{Eu}^{3+}$ Lamp Phosphors
S.P. Pallavi, **Rahul Ghildiyal**, S.S. Sanaye, B.S. Dhabekar, V. Ravi Kumar, A.S. Sai Prasad and K.V.R. Murthy
Proceedings of ICLA – 2004, BARC, Mumbai, India
6. Thermoluminescence Exhibited by Electron Beam Irradiated Salt
K.V.R. Murthy, S.P. Pallavi, **Rahul Ghildiyal**, Y.S. Patel, T.R. Joshi and D.Elangovan
Proceedings of ICLA – 2004, BARC, Mumbai, India
7. Synthesis of Nano Ca_2CeO_4 and Sr_2CeO_4 and Photoluminescence Study
K.V.R.Murthy, S.P.Pallavi and **Rahul Ghildiyal**
Proceedings of ICLA – 2004, BARC, Mumbai, India

8. Synthesis and Study of TL Parameters of Nanocrystalline Sr_2CeO_4 doped with Europium
Rahul Ghildiyal, Pallavi S.P., K.V.R. Murthy
Proceedings of NCLA – 2005, Bangalore, India
9. Thermoluminescence and Photoluminescence Characteristics of Strontium mono Aluminate Phosphors
Pallavi Page, **Rahul Ghildiyal**, K.V.R. Murthy
Proceedings of NCLA-2005, Bangalore, India
10. Thermoluminescence and Photoluminescence study of Sea Corals (Brain)
Rahul Ghildiyal, Pallavi S.P., Y.S. Patel, D. Elangovan and K.V.R. Murthy
Proceedings of NCLA – 2005, Bangalore, India
11. Synthesis and photoluminescence characteristics of Sr_2CeO_4
Rahul Ghildiyal, Pallavi Page, K.V.R. Murthy
Proceedings of National Seminar on Nano Materials (NSNM-2005), Vadodara.
12. Photoluminescence characteristics of $\text{Sr}_2\text{CeO}_4:\text{Sm}^{3+}$
Rahul Ghildiyal, Pallavi Page, K.V.R. Murthy
Proceedings of NCLA-2006, Amaravati, India
13. Photoluminescence characteristics of $\text{Sr}_2\text{CeO}_4:\text{Eu}^{3+}$
Rahul Ghildiyal, Pallavi Page, K.V.R. Murthy
Proceedings of NCLA-2007, Coimbatore, India
14. Thermoluminescence Characteristics of $\text{Sr}_3\text{Al}_2\text{O}_6:\text{Tb}^{3+}$ phosphor
Pallavi Page, **Rahul Ghildiyal**, V. Natarajan, K.V.R. Murthy
Proceedings of the Nuclear and Radiochemistry Symposium (NUCAR-2007),
Vadodara, India