

Technical papers published in National / International Journals

- 1. Synthesis & PL study of LaPO₄: Eu, Tb Phosphor.**
[Archives of Physics Research, (Scholars Research Library), ISSN: 0976-0970, CODEN (USA):APRRC7, volume 2011; 2(3), Page no. 110-115].
- 2. Effect of RE (Ce, Tb) Dopant on PL & Crystallites size of LaPO₄.**
[Advances in Applied Science Research (Palegia Research Library), ISSN: 0976-8610 CODEN (USA): AASRFC, Vol. 2011, 2(5), Page no. 130-135].
- 3. Effect of Er Doping on Structural & PL properties of LaPO₄: Eu Phosphor.**
[Advances in Applied Science Research (Palegia Research Library), ISSN: 0976-8610 CODEN (USA): AASRFC, Vol. 2011, 2(5), Page no. 303-309].
- 4. Synthesis and Photoluminescence Study of LaPO₄: Ce, Eu, Tb Phosphor.**
[Archives of Physics Research (Scholars Research Library), ISSN: 0976-0970 CODEN (USA):APRRC7, Vol. 2011;2(4), Page no. 18-23].
- 5. Synthesis and effect of Eu dopant on PL and Crystallite size of Lanthanum Phosphor.**
[Archives of Applied Science Research (Scholars Research Library), ISSN: 0975-508X CODEN (USA):AASRC9, Vol. 2012; 4(2), Page no. 757-763].
- 6. Synthesis, PL & TL Study of LaPO₄: Eu Phosphor.**
[International e-Journal of Mathematics & Engineering, ISSN: 0976-1411, Vol. 183(2012), Page no. 1756-1761].
- 7. Synthesis & Characterizations of red, green and blue lanthanum phosphate phosphors.**
[International Journal of Science Innovations and Discoveries, ISSN: 2249-5347, Vol. 2012, 2 (3)]
- 8. Luminescence properties of Ca₃Si₃O₈F₂, Ca₅Si₂O₈F₂, Ca₇Si₃O₁₂F₂ phosphor.** [International Journal of Luminescence and its applications, ISSN 2277 – 6362, Vol. 2(I), 09/08/2012, Page no. 57-59].
- 9. Thermo luminescence Studies OF Eu doped Ca₃Si₃O₈F₂ phosphor.**
[International Journal of Luminescence and its applications, ISSN 2277 – 6362, Vol. 2(I), 09/08/2012, Page no. 76-78].
- 10. Photoluminescence study of LaPO₄ and Ce, Eu & Tb Phosphor.**
[International Journal of Luminescence and its applications, ISSN 2277 – 6362, Vol.1 (II), Page no. 142-144]

11. Synthesis & PL study of LaPO₄: Eu, Tb Phosphor.

[International Journal of Luminescence and its applications, ISSN 2277 – 6362, Vol.1
(II), Page no. 138-140]

**12. Synthesis and Thermo luminescence Studies of Eu Doped Ca₃Si₃O₈F₂
Phosphor.**

[International Journal of Luminescence and its applications, ISSN 2277 – 6362, Vol.1
(II), Page no. 121-123]

Technical papers presented / published in National /International Conferences.

1. Thermoluminescence study of Lanthanum Phosphate doped Ce, Tb Lamp Phosphors.
[National conference on “Luminescence & its Applications”, Feb 02-04, 2005, Janana Bharti University, Bangalore, Karnataka, TL- P-17, Page No.-323-324]
2. Photoluminescence Characteristics of Lanthanum Phosphate doped Tb.
[National conference on “Luminescence & its Applications”, Feb 02-04, 2005, Janana Bharti University, Bangalore, Karnataka, TL- P-22, Page No.-222-223.]
3. Thermo luminescence & Photoluminescence study of Lanthanum Phosphate doped Ce, Tb Lamp Phosphors.
[National Seminar on “Luminescence & its Applications”, Faculty of Technology, M.S.University, Baroda, Gujarat, Dec. 9-10, 2005, TL-- P-22, Page No. 60 – 61]
4. Low temp. Thermo luminescence characteristics of X-Ray irradiated Eu doped Barium Magnesium Aluminates.
[National conference on “Luminescence & Its Applications”, Sant Gadgebaba Amravati University, Amravati, Maharashtra, Feb 07-09, 2006, TL-P-47, Page No. 308-310]
5. Thermo luminescence Properties of CaSiO_3 doped with Sm Phosphor.
[National Conference on “ Luminescence & its Applications”, Dept of Physics, Barthiar University, Coimbatore, Tamilnadu Jan18-20, 2007, Page No.185-187, volume XIV, ISBN 978-0230—63054-3].
6. Thermoluminescence Dosimetric Characteristics and Trapping parameters of $\text{BaMgAl}_{10}\text{O}_{17}$: Ce, Pr Phosphor.
[National Conference on “ Luminescence & Its Applications”, Central Glass & Ceramic Research Institute , Kolkata, West Bengal, Feb, 19-21, 2009].
7. Synthesis & Thermoluminescence studies of Eu doped $\text{Ca}_3\text{Si}_3\text{O}_8\text{F}_2$ Phosphor.
[UGC sponsored state level seminar on “Current Research Areas in Physics & Its Applications”, Dept. of Physics, Shri. C.N.P.F College Dabhoi, Dist. Baroda, Gujarat, Jan 05, 2011].
8. Luminescence properties of $\text{Ca}_3\text{Si}_3\text{O}_8\text{F}_2$, $\text{Ca}_5\text{Si}_3\text{O}_8\text{F}_2$, $\text{Ca}_7\text{Si}_3\text{O}_{12}\text{F}_2$ Phosphor. [UGC sponsored state level seminar on “Current Research Areas in Physics & Its Applications”, Dept. of Physics, Shri. C.N.P.F College Dabhoi, Dist. Baroda, Gujarat, Jan 05, 2011].

- 9. Photoluminescence study of LaPO₄: Ce, Eu, Tb Phosphor.**
[International conference on ‘Advanced Materials & Its Applications’ Multifunctional Materials Research Centre & Dept of Physics, Chemistry, Kalashlingam University, T.N, March 04-05, 2011, Page no.1113-1116, ISBN-CORP 000187].
- 10. Luminescence Study of LaPO₄: Eu, Tb Phosphor.**
[International conference on ‘Advanced Materials & Its Applications’ Multifunctional Materials Research Centre & Dept of Physics, Chemistry, Kalashlingam University, T.N, March 04-05, 2011, Page no.1101-1104, ISBN-CORP 000187]
- 11. Luminescence properties of Ca₃Si₃O₈F₂, Ca₅Si₃O₈F₂, Ca₇Si₃O₁₂F₂ Phosphor.** [National Conference on “Luminescence & Its Applications” , Dept of Physics, Pt. RaviShankar Shukla University, Raipur, Chattisgarh, Feb 07-09 ,2011, TL-11, Page No.207-210].
- 12. Thermo luminescence studies of Eu doped Ca₃Si₃O₈F₂ Phosphor.**
[National Conference on “Luminescence & Its Applications” , Dept of Physics, Pt. RaviShankar Shukla University, Raipur, Chattisgarh, Feb 07-09 ,2011, TL-16, Page No.217-220].
- 13. Synthesis of Lanthanum Phosphate Doped with Europium & Terbium.**
[International Conference on “Luminescence & Its Applications”, Indian Institute of Chemical Technology, Hyderabad, Feb 07-10, 2012, Pl-46, Page no. 265, ISBN-81-6712-806-5].
- 14. Photoluminescence Study of LaPO₄:Ce, Eu, Tb Phosphor.**
[International Conference on “Luminescence & Its Applications”, Indian Institute of Chemical Technology, Hyderabad, Feb 07-10, 2012, PL-47, Page no.266, ISBN-81-6712-806-5]

Achievements & Awards:

- 1. Awarded best poster paper award for the paper entitled “Synthesis of LaPO₄: Eu, Tb phosphor in ICLA-2012 at Indian Institute of Chemical Technology, Hyderabad.**