

S.N.	LIST OF PUBLICATIONS IN JOURNALS
2002	
1.	Thermally stimulated luminescence studies of undoped, Cu and Mn doped lithium borate compounds. J. Manam, A. K. Singh & S. K. Sharma Indian Journal of Physics, 76A (6), 549-552 (2002).
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2.	Thermally stimulated luminescence studies of undoped and doped calcium borate compounds. J. Manam & S. K. Sharma Semiconductor Physics, Quantum Electronics & Optoelectronics, 6 (4), 465-470 (2003).
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3.	Thermally stimulated luminescence studies of undoped and doped $K_2B_4O_7$ compounds. J. Manam & S. K. Sharma Nuclear Instruments & Methods in Physics Research B, 217 (2), 314-320 (2004).
4.	Thermally stimulated luminescence studies of BaB_4O_7 compound. J. Manam & S. K. Sharma Journal of Materials Science, 39, 6203-6208 (2004).
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5.	Evaluation of trapping parameters of thermally stimulated luminescence glow curves in Cu doped $Li_2B_4O_7$ phosphor. J. Manam & S. K. Sharma Radiation Physics & Chemistry, 72, 423-427(2005).
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6.	Determination of trapping parameters from thermally stimulated luminescence glow curves of Mn doped $Li_2B_4O_7$ phosphor. J. Manam & S. K. Sharma Radiation Effects & Defects in Solids, 163 (10), 813–819 (2008).
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7.	Study of Kinetic parameters of $K_2Ca_2(SO_4)_3$ thermoluminescence dosimeter. A. Choubey, S. Das, S. K. Sharma & J. Manam Radiation Effects & Defects in Solids, 164 (12), 779–787 (2009).
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8.	Thermoluminescence Investigations in X-ray Irradiated CaS Phosphor. S. Adhikary, A. Choubey, S. Das, S. K. Sharma & J. Manam Journal of Alloys and Compounds, 489 (1) 4-8 (2010).
9.	Preparation, characterization and study of optical properties of ZnS nanophosphor. J. Manam, V. Chatterjee, S. Das, A. Choubey & S. K. Sharma Journal of Luminescence, 130 (2), 292-297 (2010).
10.	Calculation for the trapping parameters of $K_3Na(SO_4)_2$ phosphor by isothermal luminescence decay method. A.Choubey, S. Das, S. K. Sharma & J. Manam Materials Chemistry & Physics, 120, 472-475 (2010).

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11.	Argon ions induced thermoluminescence properties of Ba _{0.12} Sr _{0.88} SO ₄ phosphor. A. Choubey, S. K. Sharma , S.P. Lochab and D. Kanjilal Journal of Physics & Chemistry of Solids, 72, 136–143 (2011).
12.	Effect of ion irradiation on the thermoluminescence properties of K ₂ Ca ₂ (SO ₄) ₃ phosphor. A. Choubey, S. K. Sharma , S.P. Lochab and D. Kanjilal Radiation Effects & Defects in Solids, 166, 487–500 (2011).
13.	Excitation of thermoluminescence in Eu doped Ba _{0.12} Sr _{0.88} SO ₄ nanophosphor by low energy argon ions. A. Choubey, S. K. Sharma , S. P. Lochab, D. Kanjilal Journal of Luminescence, 131, 2093–2099 (2011).
14.	Correlation between ion induced defects and luminescence properties of K ₃ Na(SO ₄) ₂ : Eu nanophosphor. A. Choubey, S. K. Sharma , S. P. Lochab, D. Kanjilal Radiation Measurements, 46, 477–484 (2011).
15.	Effect of ion irradiation on optoelectronic properties of Ba _{0.12} Sr _{0.88} SO ₄ : Eu phosphor. A. Choubey, S. K. Sharma , S.P.Lochab, T.Shripathi, Physica B, 406, 4483–4488 (2011).
16.	Studies on optoelectronic properties of Eu ³⁺ activated LaOCl nanophosphor. A. Choubey, S. Som, R. Kumari & S. K. Sharma Modern Physics Letters B, 25, 685–696 (2011).
17.	Characterization of optical transitions of Eu ³⁺ in lanthanum oxychloride nanophosphor. A. Choubey, S. Som, M. Biswas and S. K. Sharma Journal of Rare Earths, 29, 345–348 (2011).
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18.	Eu ³⁺ / Tb ³⁺ codoped Y ₂ O ₃ nanophosphors: Rietveld refinement, Bandgap and Photoluminescence optimization. S. Som, S. K. Sharma Journal of Physics D: Applied Physics 45, 415102 (2012).
19.	Luminescence studies of rare earth doped yttrium gadolinium mixed oxide phosphor. S. Som, A. Choubey, S. K. Sharma Physica B, 407, 3515–3519 (2012).
20.	Structural, optical and dielectric studies of Ni _x Zn _{1-x} Fe ₂ O ₄ prepared by auto combustion route. Kumar Mohit, S.K.Rout, S.Parida, G.P.Singh, S. K. Sharma , S.K.Pradhan, Ill WonKim Physica B, 407, 935–942 (2012).
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21.	Swift heavy ion induced structural and optical properties of Y ₂ O ₃ : Eu ³⁺ nanophosphor S. Som, S. K. Sharma and S. P. Lochab Materials Research Bulletin, 48, 844-851 (2013).
22.	Influences of doping and annealing on the structural and photoluminescence properties of Y ₂ O ₃ nanophosphors S. Som, S. K. Sharma and T. Shripathi Journal of Fluorescence, 23, 439-450 (2013).

23.	Ion induced modification of bandgap and CIE parameters in Y_2O_3 : Dy^{3+} phosphor S. Som, S. K. Sharma and S. P. Lochab Ceramics International, 39, 7693-7701 (2013).
24.	Morphology, ion impact and kinetic parameters of swift heavy ion induced Y_2O_3 : Dy^{3+} phosphor S. Som, S. K. Sharma and S. P. Lochab Physica Status Solidi A, 210 (8), 1624-1635 (2013).
25.	Bandgap, CIE and trap depth parameters of rare earth molybdate phosphors for optoelectronic applications S. Dutta, S. Som, J. Priya and S. K. Sharma Solid State Sciences 18, 114-122 (2013).
26.	Optimization and characterization of trap level distribution in γ -irradiated doped/ codoped CaMoO_4 phosphors S. Dutta, S. Som and S. K. Sharma Physica B, 417, 39-45 (2013).
27.	CaMoO_4 : Dy^{3+} , K^+ near white light emitting phosphor: structural, optical and dielectric studies S. K. Sharma , S. Dutta, S. Som, P. S. Mandal Journal of Materials Science & Technology, 29(7) 633-638 (2013).
28.	Luminescence and photometric characterization of K^+ compensated CaMoO_4 : Dy^{3+} nanophosphors S. Dutta, S. Som and S. K. Sharma Dalton Transactions, 42, 9654-9661 (2013).
29.	Near-white-emitting phosphors based on tungstate for phosphor-converted light-emitting diodes A. K. Ambast, A. K. Kunti, S. Som and S. K. Sharma Applied Optics, 52 (35), 8424-8431 (2013).
30.	Structural investigation and improvement of photoluminescence properties in $\text{Ba}(\text{Zr}_x\text{Ti}_{1-x})\text{O}_3$ powders synthesized by solid state reaction method S. Parida, S. K. Rout, L. S. Cavalcante, A. Z. Simoes, P. K. Barhai, N. C. Batista, E. Longo, M. Siu Li, S. K. Sharma Materials Chemistry & Physics, 142, 70-76 (2013).
31.	Characterization and Rietveld refinement of A-site deficient lanthanum doped barium titanate M. Ganguly, S. K. Rout, T. P. Sinha, S. K. Sharma , H. Y. Park, C. W. Ahn I. W. Kim Journal of Alloys and Compounds, 579, 473-484 (2013).
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32.	Swift heavy ion induced structural and luminescence characterization of Y_2O_3 : Eu^{3+} phosphor: A comparative study S. Som, S. K. Sharma and S. P. Lochab Luminescence 29: 480–491 (2014).
33.	Band gap and trapping parameters of color tunable $\text{Yb}^{3+}/\text{Er}^{3+}$ codoped Y_2O_3 upconversion phosphor synthesized by combustion route S. Som, M. Chowdhury and S. K. Sharma Journal of Materials Science, 49, 858–867 (2014).

34.	Synthesis and characterization of pulsed laser deposited SnO ₂ -Fe ₂ O ₃ composite thin films for TCO application. M. Chowdhury, A. K. Kunti, S.K. Sharma , M. Gupta and R.J. Chaudhary The European Physical Journal-Applied Physics (2014) 67: 10302
35.	Ca _{1-x-y} Dy _x KyWO ₄ : A novel near UV converting phosphor for white light emitting diode A. K. Ambast, J. Goutam, S. Som and S. K. Sharma Spectrochimica Acta A, 122, 93–99, (2014).
36.	Swift heavy ion irradiation induced modification in structural, optical and luminescence properties of Y ₂ O ₃ : Tb ³⁺ nanophosphor S. Som, S. Dutta, Vijay Kumar, Vinod Kumar, H.C. Swart and S. K. Sharma Journal of Luminescence, 146, 162–173 (2014).
37.	A comparative investigation on ion impact parameters and TL response of Y ₂ O ₃ : Tb ³⁺ nanophosphor exposed to swift heavy ions for space dosimetry S.Som, S.Dutta, M.Chowdhury, Vijay Kumar, Vinod Kumar, H.C.Swart and S.K Sharma Journal of Alloys and Compounds, 589, 5 (2014).
38.	Energy transfer phenomena and colour tenability in Y ₂ O ₂ S: Eu ³⁺ /Dy ³⁺ micro-fibers for white emission in solid state lighting application S.Som, P.Mitra, Vijay Kumar, Vinod Kumar, J. J. Terblans, H.C. Swart and S.K. Sharma Dalton Transactions, 43, 9860-987(2014).
39.	Defect correlated fluorescent quenching and electron phonon coupling in the spectral transition of Eu ³⁺ in CaTiO ₃ for red emission in display application S. Som, A. K. Kunti, Vinod Kumar, Vijay Kumar, S. Dutta, M. Chowdhury, S. K. Sharma , J. J. Terblans and H. C. Swart Journal of Applied Physics 115, 193101 (2014).
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40.	Excitation Spectra and luminescence decay analysis of K ⁺ compensated Dy ³⁺ doped CaMoO ₄ phosphors S Dutta, S Som and S K Sharma RSC Advances 5, 7380 (2015).
41.	Gamma ray induced thermoluminescence properties of Eu ³⁺ doped SnO ₂ phosphor M. Chowdhury, S. K. Sharma , S. P. Lochab Materials Research Bulletin 70, 584 (2015).
42.	Spectroscopic behavior of Eu ³⁺ in SnO ₂ for tunable red emission in solid state lighting devices M. Chowdhury and S. K. Sharma RSC Advances 5, 51102 (2015).
43.	Correlation between oxygen partial pressure and properties of pulsed laser deposited SnO ₂ /Fe ₂ O ₃ composite films M. Chowdhury, S. K. Sharma , R. J. Chaudhary Advanced Materials Letters 6, 930 (2015).
44.	Spectral and trapping parameters of Eu ³⁺ in Gd ₂ O ₂ S nanophosphor S. Som, A. Choubey and S. K. Sharma Journal of Experimental Nanoscience 10 (5), 350–370 (2015).

45.	Kinetic parameters of γ -irradiated Y_2O_3 phosphors: Effect of doping/ codoping and heating rate S. Som, M.Chowdhury and S. K. Sharma Radiation Physics and Chemistry 110, 51–58 (2015).
46.	Spectral and CIE parameters of red emitting $\text{Gd}_3\text{Ga}_5\text{O}_{12}:\text{Eu}^{3+}$ phosphor S.K. Sharma , S.Som, R.Jain and A.K.Kunti Journal of Luminescence 159, 317–324 (2015).
47.	Synthesis of strong red emitting $\text{Y}_2\text{O}_3:\text{Eu}^{3+}$ phosphor by potential chemical routes: Comparative investigations on the structural evolutions, photometric properties and Judd-Ofelt analysis Sudipta Som, Subrata Das, S. Dutta, Hendrik G. Visser and Mukesh Kumar Pandey · Pushpendra Kumar · Ritesh Kumar Dubey · S. K. Sharma RSC Advances 5, 70887 (2015).
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49.	Ion induced modification of structural and photoluminescence properties of $\text{Y}_2\text{O}_3:\text{Eu}^{3+}/\text{Tb}^{3+}$ nanophosphors: A comparative study S. Som, S. Dutta, S. Das, M.K. Pandey, R.K. Dubey, S.P. Lochab · S.K. Sharma Advanced Materials Letters 6 (8), 673-677 (2015).
50.	Dielectric, ferroelectric and photoluminescence properties of Er^{3+} doped $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ ferroelectric ceramics Renuka Bokolia, O.P. Thakur, Vineet K. Rai, S.K. Sharma , K. Sreenivas Ceramics International 41, 6055-6066 (2015).
51.	^{222}Rn distribution pattern in dwellings of copper mineralized area of East Singhbhum region, Jharkhand, India Asheesh Mishra, R. Lokeswar Patnaik, Vivekanand Jha, Shailendra Kumar Sharma , Durga Charan Panigrahi and Akshaya Kumar Sarangi Current Science 108 (10), 1931-1938 (2015).
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52.	$\text{CaMoO}_4:\text{Dy}$ phosphor as effective detector for swift heavy ions-Depth profile and traps characterization S. Dutta, S. K. Sharma and S. P. Lochab Journal of Luminescence 170, 42 (2016).
53.	Energy transfer between Dy^{3+} and Eu^{3+} in $\text{Dy}^{3+}/\text{Eu}^{3+}$ codoped Gd_2MoO_6 S. Dutta & S. K. Sharma Journal of Materials Science 51(14) 6750-6760 (2016).
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55.	Comparative investigation on structural and spectral properties of SnO ₂ composites: Effect of Eu ³⁺ doping M. Chowdhury & S.K. Sharma Journal of Materials Science: Materials in Electronics 27(6) 5779-5787 (2016).
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57.	A Comparative Study on Structural Growth of Copper Oxide Deposited by dc-MS and HiPIMS A. K. Kunti & S.K. Sharma & M. Gupta ECS Journal of Solid State Science and Technology 5(10) P627-P632 (2016).
58.	Pure white light emitting tetrakis β-diketonate dysprosium complexes for OLED applications J. Priya, N.K. Gondia, A. K. Kunti & S.K. Sharma ECS Journal of Solid State Science and Technology 5(10) R166-R171 (2016).
59.	Rhodamine 6G Dye Encapsulated Mesoporous SiO ₂ /SrAl ₂ O ₄ :Eu ²⁺ , Dy ³⁺ Composite Yellow Long Persistent Phosphor Sourav Das, J. Manam and S. K. Sharma ECS Journal of Solid State Science and Technology 5 (6) R98-R103 (2016).
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62.	Ion-induced modification of structural, optical and luminescence behaviour of Gd ₂ MoO ₆ nanomaterials: A comparative approach S. Dutta, S. K. Sharma , Vijay Kumar, S. Som, H.C. Swart, H.G. Visser Vacuum 128 146-157 (2016).
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65.	Synthesis and physico-chemical characterization of a Schiff base and its zinc complex N.K. Gondia, J. Priya & S.K. Sharma Research on Chemical Intermediates 43, 1165-1178 (2017).

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73.	Structural and spectral properties of red light emitting Eu ³⁺ activated TiO ₂ nanophosphor for white LED application A.K. Kunti, S.K. Sharma Ceramics International 43, 9838-9845 (2017).
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89.	Stresses in thin films-an experimental study N Sharma, M Hooda & S K Sharma Indian Journal of Physics, 93(2):159-167 (2019).
90.	Influence of nitrogen partial pressure on optical properties of magnetron sputtered Al-Si-N thin films Soni, S.K. Mishra, S.K. Sharma Thin Solid Films 682, 1-9 (2019).
91.	Local Structure and Spectroscopic Properties of Eu^{3+} -Doped BaZrO_3 Arup K. Kunti, Nirmalendu Patra, Richard A. Harris, Shailendra K. Sharma , Dibyendu Bhattacharyya, Sambhu N. Jha and Hendrik C. Swart Inorganic Chemistry, 58, 3073-3089 (2019).
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