

Rajeev Gandhi Memorial College of Engineering & Technology

(Autonomous)

Department of Physics

Web of Science (SCI/SCIE/ESCI) INDEXED JOURNALS

2020-21

1. **B.C. Jamalaiah**, G. Viswanadha, Erbium doped $\text{Bi}_2\text{O}_3\text{-B}_2\text{O}_3$ glass-ceramics containing $\text{Bi}_3\text{B}_5\text{O}_{12}$ and CaF_2 nanocrystallites for 1.53 μm fiber lasers, Journal of the European Ceramic Society 40 (2020) 4578–4588. (<https://doi.org/10.1016/j.jeurceramsoc.2020.05.049>)
2. T. Jayachandra Prasad, G. Neelima, **N. Ravi**, N. Kiran, N.N.K. Reddy, K.V. Krishnaiah, K. Suresh, G. Paramesh, Optical and spectroscopic properties of Ho^{3+} -doped fluorophosphate glasses for visible lighting applications, Materials Research Bulletin 124 (2020) 110753. (<https://doi.org/10.1016/j.materresbull.2019.110753>)
3. **B.C. Jamalaiah**, Il-Gon Kim, Greenish-yellow emitting CdS: Sm^{3+} nanoparticles: Structural and optical analysis, Ceramics International 47 (2021) 10950–10957. (<https://doi.org/10.1016/j.ceramint.2020.12.214>)
4. **B.C. Jamalaiah**, N. Madhu, Orange-red fluorescence features of SrAl_2O_4 : Sm^{3+} phosphors, Functional Materials Letters Vol. 14, No. 1 (2021) 2151007. (<https://doi.org/10.1142/S1793604721510073>)
5. G. Surekha, K.V. Krishnaiah, **N Ravi**, R. Padma Suvarna, FTIR, Raman and XRD analysis of graphene oxide films prepared by modified Hummers method, Journal of Physics: Conference Series 1495 (2020) 012012. (<https://doi.org/10.1088/1742-6596/1495/1/012012>)
6. V. Manjunath, N.N.K. Reddy, C. Yuvaraj, K. Chandramohan, **K.V. Krishnaiah**, S. Kumar, S. Sharma, M.V. Lakshmaiah, M.V. Reddy, Statistical analysis of current–voltage characteristics in $\text{Au/Ta}_2\text{O}_5/\text{n-GaN}$ Schottky barrier hetero-junction using different methods, Applied Physics A 127 (2021) 46. (<https://doi.org/10.1007/s00339-020-04173-2>)
7. **V.B. Sreedhar**, D. Ramachari, K.K. Kumar, M.V. Reddy, A study of NIR emission and associated spectroscopic properties of Nd^{3+} : $\text{P}_2\text{O}_5+\text{K}_2\text{O}+\text{Al}_2\text{O}_3+\text{ZnF}_2$ glasses for 1.06 μm laser applications, Journal of Non-Crystalline Solids 553 (2021) 120521. (<https://doi.org/10.1016/j.jnoncrysol.2020.120521>)

8. N.N.K. Reddy, G. Srinivas, K.V. Krishnaiah, K. Mohan Kumar, C. Yuvaraj, S. Kumar, **N. Ravi**, G. Gopi Krishna, S.A.K. Jilani, V.S.V. Prabhakar, High performance, self-powered and thermally stable 200–750 nm spectral responsive gallium nitride (GaN) based broadband photodetectors, *Solar Energy Materials & Solar Cells* 225 (2021) 111033. (<https://doi.org/10.1016/j.solmat.2021.111033>)
9. Sk. Mahamuda, S. Farooq, Ch.B. Annapurna Devi, K. Swapna, M.V.V.K.S. Prasad, M. Venkateswarlu, A.S. Rao, Spectral characterization of Dy³⁺ ions doped phosphate glasses for yellow laser applications, *Journal of Non-Crystalline Solids* 555 (2021) 120538. (<https://doi.org/10.1016/j.jnoncrysol.2020.120538>)
10. V. Singh, V.K. Kummara, **N. Ravi**, J.B. Joo, Luminescence and electron spin resonance studies of narrow-band UVB emitting Gd³⁺ doped Y₂SiO₅ nanophosphors synthesized by sol-gel method, *Optik* 242 (2021) 167228. (<https://doi.org/10.1016/j.ijleo.2021.167228>)
11. V. Singh, Y.R. Parauha, S.J. Dhoble, **K.V. Krishnaiah**, N. Ravi, Orange light emission from co-precipitation derived CaZr₄(PO₄)₆ doped with Sm³⁺ phosphor, *Optik* 242 (2021) 167229. (<https://doi.org/10.1016/j.ijleo.2021.167229>)
12. J. Thomas, L.J.Q. Maia, **K.V. Krishnaiah**, Y. Ledemi, B. Jean-Sebastien, A. Hlil, D. Seletskiy, Y. Messaddeq, R. Kashyap, Optical properties of ytterbium doped oxyfluoride glass-ceramics - Concentration and temperature dependence studies for optical refrigeration applications, *Journal of Luminescence* 238 (2021) 118278. (<https://doi.org/10.1016/j.jlumin.2021.118278>)