

Rajeev Gandhi Memorial College of Engineering & Technology

(Autonomous)

Department of Physics

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

2019-2020

1. **B.C. Jamalaih**, G. Viswanadha, K.V. Rao, Rich reddish-orange emitting PBTNAPr glasses for laser applications, *Optical Materials* 96 (2019) 109340. (<https://doi.org/10.1016/j.optmat.2019.109340>)
2. **B.C. Jamalaih**, N. Venkatramaiah, T.S. Rao, S.N. Rasool, B.N. Rao, D.V.R. Ram, A.S.N. Reddy, UV excited SrAl₂O₄:Tb³⁺ nanophosphors for photonic applications, *Materials Science in Semiconductor Processing* 105 (2020) 104722. (<https://doi.org/10.1016/j.mssp.2019.104722>)
3. K. Suresh, **K.V. Krishnaiah**, Ch Basavapoornima, S.R. Depuru, C.K. Jayasankar, Enhancement of 1.8 μm emission in Er³⁺/Tm³⁺ co-doped tellurite glasses: Role of energy transfer and dual wavelength pumping schemes, *Journal of Alloys and Compounds* 827 (2020) 154038. (<https://doi.org/10.1016/j.jallcom.2020.154038>)
4. N. Kiran, **V.K. Kummara**, N. Ravi, D. Lenine, Structure and EPR investigations on Gd³⁺ ions in magnesium-leadborophosphate glasses, *Journal of Molecular Structure* 1208 (2020) 127877. (<https://doi.org/10.1016/j.molstruc.2020.127877>)
5. **B.C. Jamalaih**, N. Madhu, Luminescence properties of SrAl₂O₄: Tb³⁺/Bi³⁺ nanophosphors for photonic applications, *Journal of Molecular Structure* 1205 (2020) 127599. (<https://doi.org/10.1016/j.molstruc.2019.127599>)
6. **K.V. Krishnaiah**, G. Neelima, N. Ravi, N.N.K. Reddy, H.S.K. Reddy, C.S.D. Viswanath, D. Lenine, G. Surekha, R.P. Suvama, C. Yuvaraj, V. Venkatramu, Near infrared broadband and visible upconversion emissions of erbium ions in oxyfluoride glasses for optical amplifier applications, *Optics and Laser Technology* 127 (2020) 106167. (<https://doi.org/10.1016/j.optlastec.2020.106167>)
7. **B.C. Jamalaih**, N. Madhu, K.V. Rao, G. Viswanadha, D.V.R. Ram, Enhanced red luminescent PBTNAEu glasses for solid state lasers, *Journal of Luminescence* 223 (2020) 117200. (<https://doi.org/10.1016/j.jlumin.2020.117200>)
8. N.N.K. Reddy, G. Srinivas, **K.V. Krishnaiah**, K.M. Kumar, D. Saha, A.H. Sharma, G.G. Krishna, S. Kumar, V.S.V. Prabhakar, Structural, optical and photoresponse characteristics of metal-insulator-semiconductor (MIS) type Au/Ni/CeO₂/GaN Schottky

barrier ultraviolet photodetector, *Materials Science in Semiconductor Processing* 117 (2020) 105190. (<https://doi.org/10.1016/j.mssp.2020.105190>)

9. P. Babu, I.R. Martín, V. Lavín, U.R. Rodríguez-Mendoza, H.J. Seo, **K.V. Krishanaiah**, V. Venkatramu, Quantum cutting and near-infrared emissions in $\text{Ho}^{3+}/\text{Yb}^{3+}$ codoped transparent glass-ceramics, *Journal of Luminescence* 226 (2020) 117424. (<https://doi.org/10.1016/j.jlumin.2020.117424>)