

**Rajeev Gandhi Memorial College of Engineering & Technology**

**(Autonomous)**

**Department of Physics**

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

**AY: 2018-19**

1. G. Venkataiah, P. Babu, I.R. Martín, **K.V. Krishnaiah**, K. Suresha, V. Lavín, C.K. Jayasankar, Spectroscopic studies on Yb<sup>3+</sup>-doped tungsten-tellurite glasses for laser applications, *Journal of Non-Crystalline Solids* 479 (2018) 9–15.
2. T. Subrahmanyam, K. Rama Gopal, R. Padma Suvarna, **B.C. Jamalaih**, Ch Srinivasa Rao, Optical properties of Sm<sup>3+</sup> -doped TeO<sub>2</sub>-WO<sub>3</sub>-GeO<sub>2</sub> glasses for solid state lasers, *Physica B: Condensed Matter* 533 (2018) 76–82.
3. Y. Govinda Reddy, **M. Chandra Sekhar**, A. Sadananda Chary, S. Narender Reddy, Ion transport studies on Pb(NO<sub>3</sub>)<sub>2</sub>:Al<sub>2</sub>O<sub>3</sub> composite solid electrolytes: Effect of dispersoid particle size, *IOP Conf. Series: Materials Science and Engineering* 310 (2018) 012160.
4. T. Subrahmanyam, K. Rama Gopal, R. Padma Suvarna, **B.C. Jamalaih**, Intense green emission from Tb<sup>3+</sup> -doped TeO<sub>2</sub>-WO<sub>3</sub>-GeO<sub>2</sub> glasses, *AIP Conf. Proc.* 1952 (2018) 02018.
5. T. Subrahmanyam, K. Rama Gopal, R. Padma Suvarna, **B.C. Jamalaih**, Red luminescence from Eu<sup>3+</sup> -doped TeO<sub>2</sub>-WO<sub>3</sub>-GeO<sub>2</sub> glasses for solid state lasers, *AIP Conf. Proc.* 1953 (2018) 090050.
6. **B.C. Jamalaih**, Y. Ramesh Babu, Near UV excited SrAl<sub>2</sub>O<sub>4</sub>:Dy<sup>3+</sup> phosphors for white LED applications, *Materials Chemistry and Physics* 211 (2018) 181-191.
7. T. Subrahmanyam, K. Rama Gopal, R. Padma Suvarna, **B.C. Jamalaih**, M.V. Vijaya Kumar, Luminescent properties of Tb<sup>3+</sup>- doped TeO<sub>2</sub>-WO<sub>3</sub>-GeO<sub>2</sub> glasses for green laser applications, *Optical Materials* 80 (2018) 154–159.
8. L.J.Q. Maia, J. Thomas, Y. Ledemi, **K.V. Krishnaiah**, D. Seletskiy, Y. Messaddeq, R. Kashyap, Photonic Properties of Novel Yb<sup>3+</sup> Doped Germanium-Lead Oxyfluoride Glass-Ceramics for Laser Cooling Applications, *Front. Optoelectron.* 11 (2018) 189-198.
9. **B.C. Jamalaih**, Intense yellow luminescence from Dy<sup>3+</sup> -doped TeO<sub>2</sub>-WO<sub>3</sub>-GeO<sub>2</sub> glasses: Structural and optical characterization, *J. Phys.: Condens. Matter* **30** (2018) 335701.
10. G. Neelima, V.K. Kummara, C.S.D. Viswanath, K. Tyagarajan, **N. Ravi**, T. Jayachandra Prasad, Photoluminescence of terbium doped oxyfluoro-titania-

phosphate glasses for green light devices, *Ceramics International* 44 (2018) 15304–15309.

11. C.S.D. Viswanath, **K.V. Krishnaiah**, C.K. Jayasankar, Luminescence properties of europium doped oxyfluorosilicate glasses for visible light devices, *Optical Materials* 83 (2018) 348–355.
12. **B.C. Jamalaih**, GeO<sub>2</sub> activated tellurite tungstate glass: a new candidate for solid state lasers and fiber devices, *Journal of Non-Crystalline Solids* 502 (2018) 54–61.
13. **S. Farooq**, Y. Munikrishna Reddy, R. Padmasuvarna, K.V. Krishnaiah, C.S.D. Viswanath, Sk. Mahamuda, Photoluminescence of dysprosium doped antimony-magnesium-strontium oxyfluoroborate Glasses, *Ceramics International* 44 (2018) 21303–21308.
14. J. Prabhakar, **K.V. Krishnaiah**, K. Linganna, P. Babu, C.K. Jayasankar, Jihoon Kim, V. Venkatramu, Dysprosium doped niobium zinc fluorosilicate glasses: Interesting materials for white light emitting devices, *Optik - International Journal for Light and Electron Optics* 176 (2019) 457–463.
15. **B.C. Jamalaih**, M. Jayasimhadri, Spectroscopic and luminescence properties of Eu<sup>3+</sup>-doped SrAl<sub>2</sub>O<sub>4</sub> phosphors for LED applications, *Journal of Molecular Structure* 1178 (2019) 394–400.
16. **M. Chandrasekhar**, G. Jayarao, D.K. Khatua, P. Kumar, Effect of NaNbO<sub>3</sub> addition on structure, dielectric and energy storage properties of lead free piezoelectric Bi<sub>0.5</sub>Na<sub>0.5</sub>TiO<sub>3</sub>-K<sub>0.5</sub>Na<sub>0.5</sub>NbO<sub>3</sub> ceramics, *Ceramics International* 45 (2019) 1969–1976.
17. **V.B. Sreedhar**, K. Venkata Krishnaiah, Sk. Nayab Rasool, V. Venkatramu, C.K. Jayasankar, Raman and photoluminescence studies of europium doped zincfluorophosphate glasses for photonic applications, *Journal of Non-Crystalline Solids* 505 (2019) 115–121.
18. G. Neelima, K.V. Krishnaiah, **N. Ravi**, K. Suresh, Sk. Nayab Rasool, K. Tyagarajan, T. Jayachandra Prasad, Investigation of spectroscopic properties of Sm<sup>3+</sup>-doped oxyfluorophosphate glasses for laser and display applications, *Materials Research Bulletin* 10 (2019) 223–229.
19. G. Neelima, K. Venkata Krishnaiah, **N. Ravi**, K. Suresh, K. Tyagarajan, T. Jayachandra Prasad, [Investigation of optical and spectroscopic properties of neodymium doped oxyfluoro-titania-phosphate glasses for laser applications](#), *Scripta Materialia* 162 (2019) 246–250.
20. **B.C. Jamalaih**, G. Viswanadha, TeO<sub>2</sub>-WO<sub>3</sub>-GeO<sub>2</sub>-NdF<sub>3</sub> glasses for 1.06 μm fiber lasers: An optical analysis, *Optical Materials* 90 (2019) 99–107.
21. N.N.K. Reddy, S. Godavarthi, K.M. Kumar, **K.V. Krishnaiah**, S.V.P. Vattikuti, H.S. Akkera, Y. Bitla, S.A.K. Jilani, V. Manjunath, Evaluation of temperature dependent electrical transport parameters in Fe<sub>3</sub>O<sub>4</sub>/SiO<sub>2</sub>/n-Si metal-insulator-

semiconductor (MIS) type Schottky barrier heterojunction in a wide temperature range, *Journal of Materials Science: Materials in Electronics* 30 (2019) 8955–8966.

22. **B. C. Jamalaiah**, N. Lalitha Rani, G.V. Lokeswara Reddy, D.V. Raghu ram, T. Srinivasa Rao,  $YAl_3(BO_3)_4: Tm^{3+}/Ho^{3+}$  nanophosphors for blue-LED applications, *Optoelectron Adv. Mater. R. Commun.* 13 (2019) 338-342.
23. **B.C. Jamalaiah**, G. Viswanadha, K. Venkata Rao, Rich reddish-orange emitting PBTNAPr glasses for laser applications, *Optical Materials* 96 (2019)109340.