

# Department of Physics

## International Journals 2019

1. Ramachandra Naik, SC Prashantha, R Naik, SC Prashantha, H Nagabhushana, YV Naik, **KM Girish**, Photoluminescent and thermoluminescent properties of low temperature synthesized Nd<sup>3+</sup> doped Mg<sub>2</sub>SiO<sub>4</sub>, nanophosphors for display and dosimetry applications, Optik, ISSN: 0030-4026, Volume 180, 2019, Pages 8-19.
2. Vijaya V Shanbhag, SC Prashantha, H Nagabhushana, DM Jnaneshwara, N Basavaraju, HP Nagaswarupa, **KM Girish**, Ramachandra Naik, Impacts of core shell structure on structural and photoluminescence properties of CaTiO<sub>3</sub>: Sm<sup>3+</sup>, Li<sup>+</sup> nanoparticles for solid state display applications, Materials Research Express, ISSN: 2053-1591, Volume 6, Issue 8, 2019, Page 085037
3. **KM Girish**, SC Prashantha, R Naik, H Nagabhushana, KS Anantharaju et al, Effect of Bi<sup>3+</sup> and Li<sup>+</sup> co-doping on the luminescence properties of Zn<sub>2</sub>TiO<sub>4</sub>:Eu<sup>3+</sup> nanophosphor for display applications, SN Applied Sciences, ISSN: 2523-3971, 1, 926 (2019).
4. **H.C. Madhusudhana**, S.N. Shobhadevi, B.M. Nagabhushana, R. Hari Krishna, M.V. Murugendrappa, H. Nagabhushana, Structural and Dielectric Investigations of Cerium Stabilized Zirconia (Zr<sub>1-x</sub>Ce<sub>x</sub>O<sub>2</sub>(x=0-0.05)) Nanocrystals Blended by Wet Chemical Method, Journal of Nanoscience and Technology, ISSN: 2374-8141 Volume 5, Issue 2, 2019 Pages 649-654.
5. M C Rao, Ravindranadh Koutavarapu, **K Vijayakumar**, Structural and electrochemical properties of ZrO<sub>2</sub> doped PVP Na based nanocomposite polymer films, Material Science in Semiconductor processing, ISSN: 1998-2020, Volume 89, January 2019, Pages 41-50.

## International Journals 2020

1. Ramachandra Naik, V. Revathi, S.C. Prashantha, H. Nagabhushana, **K.M Girish** and H.P Nagaswarupa, Cyclic Voltammetry and Electrochemical Impedance Spectroscopy Analysis of Cr<sup>3+</sup> Doped Mg<sub>2</sub>SiO<sub>4</sub> Nanoparticles for Supercapacitor Applications, Volume 17, Issue 3, 2020, Pages 207-213

2. Naveen Kumar, D.M. Jnaneshwara M.R. AnilKumar, N.Basavaraju, C.R.RavikumarH.C.Ananda Murthy, H.Nagabhushana, **K.M.Girish** S.Ashwini, RamachandraNaik, Photoluminescence and electrochemical performances of Eu<sup>3+</sup>doped La<sub>10</sub>Si<sub>6</sub>O<sub>27</sub> nanophosphor: Display and electrochemical sensor applications. Applied Surface Science Advances, Volume 1(2020) 100026.

### International Journal 2021

1. Vijaya V.Shanbhag, S.C.Prashantha, T.R. ShashiShekhar, H.Nagabhushana, RamachandraNaik, **K.M.Girish** S.Ashwini, Dinesh Rangappa,D.S.Prasanna, Enhanced photoluminescence of SiO<sub>2</sub> coated CaTiO<sub>3</sub>:Dy<sup>3+</sup>,Li<sup>+</sup> nanophosphors for white light emitting diodes. Ceramics International, Volume 47, Issue 7, Part B, 1 April 2021, Pages 10346-10354

### International Journal 2022

1. Ramachandra Naik, A Naveen Kumar, Vijaya Shanbhag, C.R. Ravikumar, V Revathi, N Basavaraju, S.C. Prashantha, **K.M. Girish**, H Nagabhushana, Aloe barbadensis Mill leaf gel assisted combustion synthesized ZnO: Ni<sup>3+</sup>: Electrochemical sensor for ascorbic acid detection and photocatalysis, Inorganic Chemistry Communications, volume 143, Page 109760 (2022)
2. K.B. Anoop Baby, **Srilatha Y**, Magnetostriction studies of thin nickel strips in perpendicular and parallel configurations, Magnetostriction studies of thin nickel strips in perpendicular and parallel configurations, Materials today: Proceedings, Volume 49, Part 3, 2022, Pages 690-692

### International Journal 2023

1. Ashok Reddy G.V., K. Naveen Kumar, Hitha D. Shetty, C. Devaraja, Merum Dhananjaya, H.B. Shiva prased , Nunna Guru Prakash , **K.M. Girish** , A.R. Venugopal . Deepak f, Shirajahammad M. Hunagund g, Comparision study of WO<sub>3</sub> thin film and nanorods for smart windows applications, Materials today: Proceedings, online Proof, 2023
2. **K.M. Girish**, Burragoni Sravanthi Goud, Ramachandra Naik, S.C. Prashantha, H. Nagabhushana e, R. Lavanya, G.V. Ashok Reddy, Jae Hong Kim, Photoluminescence and photocatalytic properties of Zn<sub>2</sub>TiO<sub>4</sub>:Cr<sup>3+</sup> nanophosphors, Inorganic Chemistry Communications, Volume 151, May 2023, 110628

3. G.V. Ashok Reddy, K. Naveen Kumar, Ramachandra Naik, V. Revathi, **K.M. Girish**, K. Munirathnam, Comparative analysis of the effect of post-annealing on CeO<sub>2</sub> and DC Magnetron Sputtered WO<sub>3</sub>/ CeO<sub>2</sub> nanorods thin films for smart windows, Applied Surface Science Advances, Volume 16, August 2023, 100417
4. K. Saravanan, B. Natarajan, **N. Nallamuthu**, Muhammad Sadiq and Ganesh Munusamy Ramanujam, Evaluation of Nanomedicine Applications of Silver and Zinc Oxide Nanoparticles Using Water Extract of Fresh Turmeric, ECS J. Solid State Sci. Technol. 12 021003 2023
5. G. Vignesh, P. Devendran, **N. Nallamuthu**, S. Sudhahar & M. Krishna Kumar, N-rGO/NiCo<sub>2</sub>O<sub>4</sub> nanocomposite for high performance supercapacitor applications., J Mater Sci: Mater Electron 34, 820 (2023).
6. G. Vignesh, P. Devendran, **N. Nallamuthu**, S. Sudhahar, P. Senthil Kumar, M. Krishna Kumar, Effects of nitrogen, sulphur, and temperature treatments on the spectral, structural, and electrochemical characteristics of graphene oxide for energy storage applications, Carbon Trends, Volume 11, 100262 June 2023