

1. Structural, morphological, enhanced magnetic properties and antibacterial biomedical activity of rare earth element (REE) cerium (Ce³⁺) doped CoFe₂O₄ nanoparticles, K Elayakumar, A Dinesh, A Manikandan, M Palanivelu, G Kavitha, Journal of Magnetism and Magnetic Materials 476, 157-165, 2019.
2. Enhanced magnetic property and antibacterial biomedical activity of Ce³⁺ doped CuFe₂O₄ spinel nanoparticles synthesized by sol-gel method, K Elayakumar, A Manikandan, A Dinesh, K Thanrasu, KK Raja, RT Kumar, Journal of Magnetism and Magnetic Materials 478, 140-147, 2019.
3. Structural, spectral, thermodynamical, NLO, HOMO, LUMO and NBO analysis of fluconazole, K Chandrasekaran, RT Kumar, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 150, 974-991, 2015.
4. Synthesis, FTIR, UV-Vis and Photoluminescence characterizations of triethanolamine passivated CdO nanostructures, K Anandhan, RT Kumar, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 149, 476-480, 2015.
5. Formation and investigation of low dimensional super paramagnetic α -manganese dioxide nano structures, AM Joseph, RT Kumar, Materials Research Express 5 (1), 014002, 2018.
6. Monodispersed fabrication and dielectric studies on ethylenediamine passivated α -manganese dioxide nanorods, AM Joseph, RT Kumar, Materials Research Bulletin 81, 101-106, 2016.
7. Synthesis, characterization and applications of Aniline passivated bismuth selenide thermoelectric nanoparticles, M Sarguru, RT Kumar, Materials Today: Proceedings, 2020.
8. Effect of morphology on the formation of CdO nanostructures for Antibacterial and Hemolytic studies, K Anandhan, S Harish, RT Kumar, Applied Surface Science 489, 262-268, 2019
9. Structural and Magnetic Characterization of Rare Earth Element Cerium-Doped Nickel Ferrite Nanoparticles (NiCe_xFe_{2-x}O₄) by Sol-Gel Method with Antibacterial Activity, K Elayakumar, V Sathana, RT Kumar, Journal of Superconductivity and Novel Magnetism, 1-8, 2020.

10. Fabrication of EDA passivated CdO nanostructures with morphological investigation, K Anandhan, RT Kumar, Optoelectronics and Advanced Materials-Rapid Communications, Vol. 10, No. 9-10, p.748 – 751, 2016.