

Publications

1. Arathy K, Ansari S, Malini KA. High reliability thermistor probes for early detection of breast cancer using skin contact thermometry with thermal imaging. *Materials Express*. 2020 May 1;10(5):620-8.
2. Dr Veena Gopalan E et al Published a paper entitled Biomass derived activated carbon for high performance supercapacitor electrode applications in the *Journal Chemical Engineering and technology*, January 2021.
3. Dr Mini Krishna K: Chapter on ‘Oxide Luminescent Materials’ in the book entitled ‘Nanostructured Metal Oxides and Devices – Optical and Electrical Properties’ in the book series *Materials Horizons: From Nature to Nanomaterials (MHFNN)* published by Springer, Singapore.
https://doi.org/10.1007/978-981-15-3314-3_1
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4. Haripriya VK, Sharon VS, Malini KA. Tailoring the properties of Ni-Mn based NTC thermistors by Cu and Li addition. *Physica Scripta*. 2021 Dec 6;96(12):125728.
5. Merin P, Jimmy Joy P, Muralidharan MN, Veena Gopalan E, Seema A. Biomass-derived activated carbon for high-performance supercapacitor electrode applications. *Chemical Engineering & Technology*. 2021 May;44(5):844-51.
6. Bhaskaran S, Al-Omari IA, Gopalan EV. On the enhanced coercive field and anisotropy observed in cobalt substituted copper ferrite nanoparticles prepared by a modified sol-gel method. *Journal of Alloys and Compounds*. 2021 Dec 5;884:161095.
7. VS S, Gopalan VE, Al-Omari IA, Malini KA. Superparamagnetic nickel ferrite nanoparticles doped with zinc by modified sol-gel method. *Journal of Superconductivity and Novel Magnetism*. 2022 Mar;35(3):795-804.
8. Rasmi T, Malini K A. Review on Various Synthesis Methods of Bismuth Telluride Nanoparticles. *Journal of Ultrafine Grained and Nanostructured Materials*. 2021 Dec 27;54(2):211-8.
9. Synthesis and characterization of bismuth ferrite- barium titanate nanocomposites - IOP Conf. Series: Materials Science and Engineering , 1263 ,(2022) 012028 , IOP Publishing, Sharon V S, Malini K A, Arun K J (Scopus Indexed)

10. Structural Evolution –Enabled BiFeO₃ modulated by strontium doping with enhanced dielectric, optical and superparamagnetic properties by modified sol-gel method. Sharon V.S, Veena Gopalan E, Malini K A *Chinese Physics B* <https://doi.org/10.1088/1674-1056/ac785b> (Scopus Indexed)