

### **List of Journal publications:**

1. Sumathi Subramanian, Sasikala Ganapathy, Maheswari Rajaram, Suguna Subramanian, Arivarasan Ayyaswamy, Jayavel Ramasamy, Effect of core size on the luminescence properties of cadmium telluride/zinc sulphide core-shell quantum dots, Journal of Materials Today: Proceedings, 2020.
2. Suguna Subramanian, Sasikala Ganapathy, Sumathi Subramanian, Maheswari Rajaram, Rajesh Thangaraj, Jayavel Ramasamy, Effect of photocatalytic activity on cobalt titanate (CoTiO<sub>3</sub>) nanostructures, Journal of Materials Today: Proceedings, 2020.
3. S Subramanian, S Ganapathy, M Rajaram, A Ayyaswamy, Tuning the optical properties of colloidal Quantum Dots using thiol group capping agents and its comparison, Journal of Materials Chemistry and Physics, 123127, 2020.
4. Maheswari Rajaram, Sumathi Subramanian, Suguna Subramanian, Janani Krishnamoorthy, Sasikala Ganapathy, Jayavel Ramasamy, Microwave-assisted synthesis of ZnO nanostructures for organic solar cell applications, Journal of Materials Today: Proceedings, 2020.
5. M Ramesh, R Bhoopathi, C Deepa, G Sasikala, Experimental investigation on morphological, physical and shear properties of hybrid composite laminates reinforced with flax and carbon fibers, Journal of the Chinese Advanced Materials Society, 6 (4), 640-654, 2018.
6. R Bhoopathi, M Ramesh, M Naveen Kumar, PS Balaji, G Sasikala, Studies on mechanical strengths of hemp-glass fibre reinforced epoxy composites, 2<sup>nd</sup> International conference on Advances in Mechanical Engineering (ICAME 2018), 2018.
7. S Nagarani, G Sasikala, K Satheesh, M Yuvaraj, R Jayavel, Synthesis and characterization of binary transition metal oxide/reduced graphene oxide nanocomposites and its enhanced electrochemical properties for supercapacitor applications, Journal of Materials Science: Journal of Materials in Electronics, 29 (14), 11738-11748, 2018.
8. A Arivarasan, S Bharathi, V Vijayaraj, G Sasikala, R Jayavel, Evaluation of reaction parameters dependent optical properties and its photovoltaics performances of CdTe QDs, Journal of Inorganic and Organometallic Polymers and Materials, 28 (3), 1263-1275, 2018.

9. T Rajesh, G Sasikala, S Sumathi, S Suguna, Growth of Beta Phase Gallium Oxide Nanostructures on Sapphire Substrate by Chemical Vapour Deposition, International Workshop on the Physics of Semiconductor and Devices, 1217-1222, 2017.
10. R Bhoopathi, M Ramesh, R Rajaprasanna, G Sasikala, C Deepa, Physical properties of glass-hemp-banana hybrid fiber reinforced polymer composites, Indian Journal Science Technology 10 (7), 1-7, 2017.
11. G Jocelin, A Arivarasan, M Ganesan, NR Prasad, G Sasikala, Synthesis of Colloidal Quantum Dots Coated with Mercaptosuccinic Acid for Early Detection and Therapeutics of Oral Cancers, International Journal of Nanoscience, 15 (04), 1650015, 2016.
12. J George, S Ganapathy, G Muthusamy, Quantum Dots as Fluorescent Dyes for Imaging of Melanoma Cells: Sound Contribution of Nanotechnology to Biological Science, Journal of Bionanoscience 10 (3), 205-210, 2016.
13. A Ayyaswamy, S Ganapathy, A Alsalmeh, A Alghamdi, J Ramasamy, Structural, optical and photovoltaic properties of co-doped CdTe QDs for quantum dots sensitized solar cells, Journal of Superlattices and Microstructures, 88, 634-644, 2015.
14. R Bhoopathi, C Deepa, G Sasikala, M Ramesh, Experimental investigation on mechanical properties of hemp-banana-glass fiber reinforced composites, Journal of Applied Mechanics and Materials, 766, 167-172, 2015.
15. A Arivarasan, G Sasikala, R Jayavel, In situ synthesis of CdTe: CdS quantum dot nanocomposites for photovoltaic applications, Journal of Materials science in semiconductor processing, 25, 238-243, 2014.
16. AMN Kashyap, G Sasikala, An Experimental Study on Compressive Strength of Steel Fibre Reinforced Light Weight Aggregate (Pumice Stone) Concrete, International Journal of Engineering Research and Development e-ISSN, 21-25, 2014.
17. M Bhupeshwaran, G Sasikala, Performance Analysis of Modulation Formats (NRZ and RZ) in 10/12.5 Gb/s WDM with TDM in Optical Transmission, International Conference on Computing, 253, 2012.
18. A Arivarasan, S Ganapathy, R Jayavel, Fabrication of Highly Fluorescent Cadmium Based Aqueous Phase Colloidal Quantum Dots for Solar Cell Applications, Journal of Advanced Materials Research, 584, 313-318, 2012.
19. P Thilakan, DM Radheep, K Saravanakumar, G Sasikala, Deposition and characterization of ZnO thin films by modified pulsed-spray pyrolysis, Journal of Semiconductor science and technology, 24 (8), 085020, 2009.