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**Publications**

1. Surendran Dhatchayani, Sekar Vijayakumar, Natarajan Sarala, Baskaralingam Vaseeharan, Krishnasamy Sankaranarayanan, Effect of curcumin sorbed selenite substituted hydroxyapatite on osteosarcoma cells: An in vitro study, Journal of Drug Delivery Science and Technology, Vol.60, Pages: 101963, 2020
2. G Parvathy, R Kaliammal, K Velsankar, M Krishna Kumar, K Sankaranarayanan, S Sudhahar, Studies on structural, optical, homo-lumo and mechanical properties of piperazinium p-hydroxybenzoate monohydrate single crystal for nonlinear optical applications, Chemical Physics Letters, Vol.758, Pages: 137934, 2020
3. R Kaliammal, G Parvathy, G Maheshwaran, K Sankaranarayanan, M Arivanandhan, S Sudhahar, Crystal growth, structural, optical, thermal, and mechanical properties of new bis(2-amino-6-methyl pyridinium barbiturate) tetrahydrate organic single crystal for nonlinear optical applications, Chinese Journal of Physics, 2020
4. Arumugam Pandimurugan, Sankaranarayanan Krishnasamy, Enhanced structural, optical and antibacterial activities of Zn<sub>2</sub>SnO<sub>4</sub> nanorods synthesized by Microwave assisted method, International Journal of Nano Dimension, Vol.11, Pages: 355-363, 2020
5. AR Pandimurugan, K Sankaranarayanan, Structural, optical, magnetic and antibacterial properties of transition metal ions (ni, ca, and fe) doped zno nanoparticles prepared by single-step method, Journal of Advanced Scientific Research, Vol.11, 2020
6. G Parvathy, R Kaliammal, K Sankaranarayanan, M Arivanandhan, M Krishna Kumar, S Sudhahar, Growth, experimental and theoretical investigations on 4-hydroxy-3-methoxybenzaldehyde 5-chloro-2-hydroxybenzoic acid: A new high second order nonlinear optical material, Journal of Molecular Structure, Pages: 128406, 2020
7. R Kaliammal, S Sudhahar, G Parvathy, K Velsankar, K Sankaranarayanan, Physicochemical and DFT studies on new organic Bis-(2-amino-6-methylpyridinium) succinate monohydrate good quality single crystal for nonlinear optical applications, Journal of Molecular Structure, Pages: 128069, 2020

8. S Thanikaikarasan, D Dhanasekaran, K Sankaranarayanan, Electrochemical, structural, compositional and optical properties of Cuprous Selenide thin films, Chinese Journal of Physics, Vol.63, Pages: 138-148, 2020
9. V Govindan, D Joseph Daniel, Phan Quoc Vuong, K Sankaranarayanan, HJ Kim, Unidirectional growth of pure and composite t-stilbene single crystals for scintillator applications, Journal of Crystal Growth, Vol.531, Pages: 125344, 2020
10. V Govindan, L Kashinath, D Joseph Daniel, K Sankaranarayanan, Sol-gel mediated microwave synthesis of pure, La and Zr doped SnS<sub>2</sub> nanoflowers an efficient photocatalyst for the degradation of methylene blue, Journal of Materials Science: Materials in Electronics, Vol.30, Pages: 7963-7973, 2019
11. V Govindan, K Kulangiappar, S Selvanayagam, B Sridhar, K Sankaranarayanan, Electrochemical synthesis, single-crystal growth, physicochemical and dielectric studies of tetrabromobisphenol A, Indian Journal of Physics, Vol.93, Pages: 349-359, 2019
12. V Govindan, D Joseph Daniel, HJ Kim, K Sankaranarayanan, Crystal growth and characterization of 1, 3, 5-triphenylbenzene organic scintillator crystal, Materials Chemistry and Physics, Vol.223, Pages: 183-189, 2019
13. V Govindan, D Joseph Daniel, HJ Kim, K Sankaranarayanan, Unidirectional crystal growth, luminescence and scintillation characteristics of t-stilbene single crystals, Dyes and Pigments, Vol.160, Pages: 848-852, 2019
14. V Govindan, H Imran, V Dharuman, K Sankaranarayanan, Microwave assisted synthesis of Ce-doped SnS<sub>2</sub> nano-flowers with enhanced vitamin-B sensing and photocatalytic activity, Journal of Materials Science: Materials in Electronics, Vol.29, Pages: 17670-17680, 2018
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16. V Govindan, S Dhatchayani, N Sarala, K Sankaranarayanan, Unidirectional growth and characterization of 1, 3, 5-triphenylbenzene single crystals, AIP Conference Proceedings, Vol.1731, Pages: 100006, 2016

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