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**Last five years publication list**:

1. Dhatchayani, S., Vijayakumar, S., Sarala, N., Vaseeharan, B., & Sankaranarayanan, K. (2020). Effect of curcumin sorbed selenite substituted hydroxyapatite on osteosarcoma cells: An in vitro study. *Journal of Drug Delivery Science and Technology*, *60*, 101963.
2. Parvathy, G., Kaliammal, R., Velsankar, K., Kumar, M. K., Sankaranarayanan, K., & Sudhahar, S. (2020). Studies on structural, optical, homo-lumo and mechanical properties of piperazinium p-hydroxybenzoate monohydrate single crystal for nonlinear optical applications. *Chemical Physics Letters*, *758*, 137934.
3. Kaliammal, R., Parvathy, G., Maheshwaran, G., Sankaranarayanan, K., Arivanandhan, M., & Sudhahar, S. (2020). 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*.
4. Pandimurugan, Arumugam, and Sankaranarayanan Krishnasamy. "Enhanced structural, optical and antibacterial activities of Zn2SnO4 nanorods synthesized by Microwave assisted method." *International Journal of Nano Dimension* 11.4 (2020): 355-363.
5. Pandimurugan, A. R., & Sankaranarayanan, K. (2020). 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*, *11*(3).
6. Parvathy, G., Kaliammal, R., Sankaranarayanan, K., Arivanandhan, M., Kumar, M. K., & Sudhahar, S. (2020). 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*, 128406.

7. Kaliammal, R., Sudhahar, S., Parvathy, G., Velsankar, K., & Sankaranarayanan, K. (2020). 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*, 128069.
8. Thanikaikarasan, S., Dhanasekaran, D., & Sankaranarayanan, K. (2020). Electrochemical, structural, compositional and optical properties of Cuprous Selenide thin films. *Chinese Journal of Physics*, *63*, 138-148.
9. Govindan, V., Daniel, D. J., Vuong, P. Q., Sankaranarayanan, K., & Kim, H. J. (2020). Unidirectional growth of pure and composite t-stilbene single crystals for scintillator applications. *Journal of Crystal Growth*, *531*, 125344.
10. Govindan, V., Kashinath, L., Daniel, D. J., & Sankaranarayanan, K. (2019). Sol–gel mediated microwave synthesis of pure, La and Zr doped SnS 2 nanoflowers an efficient photocatalyst for the degradation of methylene blue. *Journal of Materials Science: Materials in Electronics*, *30*(8), 7963-7973.
11. Govindan, V., Kulangiappar, K., Selvanayagam, S., Sridhar, B., & Sankaranarayanan, K. (2019). Electrochemical synthesis, single-crystal growth, physicochemical and dielectric studies of tetrabromobisphenol A. *Indian Journal of Physics*, *93*(3), 349-359.
12. Govindan, V., Daniel, D. J., Kim, H. J., & Sankaranarayanan, K. (2019). Crystal growth and characterization of 1, 3, 5-triphenylbenzene organic scintillator crystal. *Materials Chemistry and Physics*, *223*, 183-189.
13. Govindan, V., Imran, H., Dharuman, V., & Sankaranarayanan, K. (2018). Microwave assisted synthesis of Ce-doped SnS 2 nano-flowers with enhanced vitamin-B sensing and photocatalytic activity. *Journal of Materials Science: Materials in Electronics*, *29*(20), 17670-17680.
14. Thanikaikarasan, S., Perumal, R., Sankaranarayanan, K., & Mahalingam, T. (2018). Electrochemical, microstructural, compositional and optical characterization of copper oxide and copper sulfide thin films. *Journal of Materials Science: Materials in Electronics*, *29*(18), 15529-15534.
15. Anjugam, M., Vaseeharan, B., Iswarya, A., Divya, M., Prabhu, N. M., & Sankaranarayanan, K. (2018). Biological synthesis of silver nanoparticles using β-1, 3 glucan binding protein and their antibacterial, antibiofilm and cytotoxic potential. *Microbial pathogenesis*, *115*, 31-40.

16. Sudhahar, S., Sankaranarayanan, K., Ravi, G., Kumar, R. M., & Chakkaravarthi, G. (2016). 3-Carboxy-2-(piperidin-1-ium-1-yl) propanoate. *IUCrData*, *1*(5), x160748.
17. Govindan, V., Dhatchayani, S., Sarala, N., & Sankaranarayanan, K. (2016, May). Unidirectional growth and characterization of 1, 3, 5-triphenylbenzene single crystals. In *AIP Conference Proceedings* (Vol. 1731, No. 1, p. 100006). AIP Publishing LLC.
18. Jayanthi, S., Kulasekarapandian, K., Arulsankar, A., Sankaranarayanan, K., & Sundaresan, B. (2015). Influence of nano-sized TiO2 on the structural, electrical, and morphological properties of polymer-blend electrolytes PEO–PVC–LiClO4. *Journal of Composite Materials*, *49*(9), 1035-1045.