

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

1. B Nisha, Y Vidyalakshmi, SA Razack, Enhanced formation of ruthenium oxide nanoparticles through green synthesis for highly efficient supercapacitor applications, *Journal of Advanced Powder Technology*, 31(3), 1001-1006, 2020.
2. B Nisha, Y Vidyalakshmi, D Geetha, JR Parveen, G Vinitha, Green synthesis, characterization of silver nanoparticles and their study on antibacterial activity and optical limiting behavior, *Journal of Applied Physics B* 125 (7), 123, 2019.
3. P Sathya, Y Vidyalakshmi, S Pugazhendhi, R Gopalakrishnan, Benzotriazole p-hydroxybenzoic acid: physicochemical and biological evaluation of an organic cocrystal, *Journal of Materials Research Innovations* 21 (3), 182-188, 2017.
4. N Swarna Sowmya, S Sampathkrishnan, Y Vidyalakshmi, S Sudhahar, R Mohan Kumar, Synthesis, growth, structural, thermal and optical studies of pyrrolidinium-2-carboxylate-4-nitrophenol single crystals, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 145, 333-339, 2015.
5. N Sesha Bamini, Y Vidyalakshmy, Tenzin Choedak, N Kejalakshmy, P Muthukrishnan, CJ Ancy, Synthesis, linear optical, non-linear optical, thermal and mechanical characterizations of dye-doped semi-organic NLO crystals, *Journal of Materials Research Express* 2 (6), 065010, 2015.
6. S Muralidharan, T Srinivasan, Y Vidyalakshmi, D Velmurugan, R Gopalakrishnan, Growth and characterization of sodium 4-nitrophenolate: 4-nitrophenol dihydrate by gel growth technique, *International Journal of ChemTech Research*, 6, 2946-2951, 2014.
7. N Swarna Sowmya, Yechuri Vidyalakshmi, Sadasivam Sampathkrishnan, Thothadri Srinivasan, Devadasan Velmurugan, Pyrrolidinium-2-carboxylate-4-nitrophenol (1/2), *Acta Crystallographica Section E: Structure Reports Online*, 69 (11), 1723-1723, 2013.
8. S Muralidharan, P Nagapandiselvi, T Srinivasan, Y Vidyalakshmi, D Velmurugan, R Gopalakrishnan, Single Crystal Structure and Characterization of 2-Amino-4-methylpyridinium-4-nitrophenolate-4-nitrophenol. *Asian Journal of Chemistry* 25 (18), 2013.
9. S Sampathkrishnan, N Balamurugan, R Kumutha, Y Vidyalakshmi, S Muthu, Growth and characterization of new non linear optical Bis-Glycine Hydro Bromide (BGHB) single crystal. *Journal of Minerals & Materials Characterization & Engineering* 11 (6), 597-607, 2012.
10. Srinivasan Muralidharan, Yechuri Vidyalakshmi, Thothadri Srinivasan, Rengasamy Gopalakrishnan, Devadasan Velmurugan, Morpholine-4-nitrophenol (1/2), *Acta Crystallographica Section E: Structure Reports Online* 68 (12), 3411-3411, 2012.

11. P Srinivasan, Y Vidyalakshmi, R Gopalakrishnan, Studies on the Synthesis, Growth, Crystal Structure, and Nonlinear Optical Properties of a Novel Nonlinear Optical Crystal: l-Argininium-4-nitro Phenolate Monohydrate (LARP), Journal of Crystal Growth and Design, 8 (7), 2329-2334, 2008.