

PAPER PUBLICATION IN INTERNATIONAL JOURNALS

- M. Shankar, A. Dennis Raj, M. Jeeva, R. Purusothaman, M. Vimalan, S. Athimoolam & I. Vetha Potheher 2018, “Studies on optical, Electrical, Mechanical and Theoretical Investigation of 4-Nitro-benzoic acid (3-ethoxy-2-hydroxy-benzylidene)-hydrazide: A Novel Schiff base organic NLO Material”, Journal of Molecular Structure, vol. 1181, pp. 348-359.
- M. Shankar, A. Dennis Raj, M. Jeeva, R. Purusothaman, M. Vimalan & I. Vetha Potheher 2018, “Synthesis, crystal growth, thermal and laser damage threshold properties of new Schiff base material 4-Nitro-benzoic acid (3-ethoxy-2-hydroxy-benzylidene)-hydrazide”, Materials letters, vol. 232, pp. 113-117.
- R. Purusothaman, M. Shankar, A. Dennis Raj, M. Vimalan, K. Rajarajan & I. Vetha Potheher 2017 , “A comparative analysis on optical, photoluminescence and laser damage properties of conventional and uniaxial method grown semi organic nonlinear optical material – sodium potassium tartrate tetrahydrate”, Materials Research Innovations, pp 172-181.
- A. Dennis Raj, M. Jeeva, M. Shankar, G. Venkatesa Prabhu, M. Vimalan & I. Vetha Potheher 2017, “Synthesis, Growth, Physicochemical properties and DFT calculations of 2-naphthol substituted Mannich base 1-(morpholino(phenyl) methyl) naphthalen-2-ol: A Non linear Optical Single crystal”, Journal of Molecular Structure, vol. 1147, pp. 763-775. ISSN 022-2860.
- A. Dennis Raj, M. Jeeva, R. Purusothaman, G. Venkatesa Prabhu, M. Vimalan & I. Vetha Potheher, 2017, “1-((4-methylpiperazin-1-yl)(phenyl)methyl)naphthalen-2-ol: A novel Mannich base organic NLO crystal for the analysis of electro-optic applications”, Journal of Materials Science: Materials in Electronics, vol. 28, pp. 7802-7810, ISSN 0957-4522.
- A. Dennis Raj, M. Jeeva, M. Shankar, R. Purusothaman, G. Venkatesa Prabhu & I. Vetha Potheher, 2016, “Synthesis, Growth, Optical and DFT calculation of 2-naphthol derived Mannich base Organic Non Linear Optical Single Crystal for Frequency Conversion Applications”, Physica B: Condensed Matter, vol. 501, pp. 45-56, ISSN 0921-4526 .