

## LAST 5 YEARS - LIST OF PUBLICATIONS

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### INTERNATIONAL JOURNALS:

1. Spectral, optical and dielectric analyses on L-lysine p-nitrophenolate monohydrate organic crystals Optik International Journal for Light and Electron Optics 127 (2016) 420–427
2. Investigations on the growth and characterisation of an isomorphous ammonium tetroxalate dihydrate superacid crystal Optik International Journal for Light and Electron Optics 127 (2016) 3896–3904
3. Synthesis and Characterization of BaNb<sub>2</sub>O<sub>6</sub> Perovskite nanocubes by hydrothermal method for microwave dielectric applications SSRG International Journal of Applied Physics Engineering- (IJAP) (2017)– Volume 4 Issue 2 18-21
4. Influence of l-lysine as dopant in ammonium tetroxalate dihydrate – spectral, optical, thermal, mechanical and dielectric properties Indian Journal of Pure & Applied Physics (IJPAP) Vol. 56, June 2018, pp. 444-452
5. Phase transitional ferroelectric behaviour of Ammonium Tetroxalate Dihydrate single crystal Indian Journal of Pure & Applied Physics (IJPAP) Vol. 56, November 2018, pp. 875-883
6. Effect of P-Nitrophenol as dopant in Ammonium Tetroxalate Dihydrate for THz application – Spectral, optical, thermal and dielectric analyses Optics & Laser Technology April 2019 Volume 111, p. 734-743.
7. Synthesis and characterization of novel reduced graphene oxide supported barium niobate (RGOBN) nanocomposite with enhanced ferroelectric properties and thermal stability Journal of Materials Science : Materials Electronics Nov. 2018, Vol 29 19228–19237

8. Growth and characterisation of Dimethylamino pyridinium p-bromo-chlorophenolate mixed crystal: A new organic NLO material for terahertz applications, *Journal of Molecular Structures* 1178 (2019) 126 - 134
9. Changeover in the third order NLO behaviour of P-Nitrophenol doped Ammonium Hydrogen Oxalate Hemihydrate crystals, *Journal of Materials Science : Materials Electronics* (2018) 29:19532–19543
10. 4-Dimethylamino pyridinium p-Chlorophenolate a novel third order nonlinear optical single crystal - Growth and characterization *Journal of Materials Science : Materials Electronics* (2018) 29:21145 – 21156
11. Linear and nonlinear optical properties of a new organic Dimethylamino pyridinium p-bromo-chlorophenolate crystal for nonlinear devices *Journal of Materials Science : Materials Electronics* (2019) 30:6528–6536
12. Swift heavy ion irradiation effects on structural, optical and electrical properties of potassium pentaborate (KB5) single crystals *Transactions on Electrical and Electronic Materials* 20 (6), 513-517 (2019)
13. Synthesis and characterization of hydrothermally derived novel reduced graphene oxide/magnesium niobate (RGOMN) hybrid nanostructure for energy storage applications *Materials Research Express* 6 (2019) 125522
- 14.** An insight on spectral, microstructural, electrical and mechanical characterization of Ammonium oxalate monohydrate crystals *Materials Science-Poland* DOI: 10.2478/msp-2019-0090
- 15.** Effect of L-Asparagine as dopant on the growth and characteristics of Ammonium Tetroxalate Dihydrate single crystal *Materials Science-Poland* 38 (1) 48-61 2020
16. 2(E)-(4-N,N-dimethylaminobenzylidene)-5-methylcyclohexanone - A novel centrosymmetric crystal for nonlinear optical applications *Optical Materials* 107 (2020) 110035
17. Growth and characterisation of a third order nonlinear optical crystal 4-dimethylamino pyridinium p-bromophenolate *Journal of Molecular Structures* [Volume 1224](#), 15 January 2021, 129078

**18.** Exploration on novel reduced graphene oxide/strontium pyro niobate electrode material for electrochemical energy storage applications **Accepted in Carbon Letters**