

MISRIMAL NAVAJEE MUNOTH JAIN ENGINEERING COLLEGE

Department of Physics

Research

S.No	Name of the faculty	Title of the paper	Name of the journal and publication details
1	Mr. P.K. Sivakumar	“4-Nitroanilinium P-toluenesulfonate” structure report	Journal of, Acta Crsyallographica Section E, 26 Sep, 2012.
2	Mr. P.K. Sivakumar	Studies on the Growth, Spectral Optical and thermal properties of 4-nitroaniline picrate single crystals	Modern Physics Letters B (World scientific), 6 Dec 2013.
3	Mr. P.K. Sivakumar	“4-Nitroanilinium 3-carboxy-4-hydroxybenzenesulfonate monohydrate” structure report	Journal of, Acta Crsyallographica Section E, 22 Sep 2013
4	Mr. P.K. Sivakumar	Investigation on crystal structure, third-order nonlinear optical and thermal studies of 4-Nitroanilinium 5-sulfosalicylic acid monohydrate single crystal	Photonics Letters of Poland, Vol 7(4), 106-108 (Dec 31, 2015).
5	Mr. P.K. Sivakumar	4-Bromoanilinium 4-methylbenzenesulfonate structure report	Journal of, Acta Crsyallographica Section E, Feb 8 2015.
6	Mr. P.K. Sivakumar	Studies on Growth, Spectral, Thermal, Mechanical and Optical Properties of 4-Bromoanilinium 4-Methylbenzenesulfonate Crystal: A Third Order Nonlinear Optical Material	Materials Research, June 25, 2016

7	Ms. G. Dhanalakshmi	Crystal structures of 1-benzenesulfonyl-2-methyl-3-(4-nitrobenzoyl)-2,3-dihydro-1H-indole and 1-benzenesulfonyl-2-methyl-3-[(thiophen-2-yl)-carbonyl]-2,3-dihydro-1H-indole	Journal of, Acta Crystallographica Section E, Resesarch communication (2017) E73, 1555–1559.
8	Ms. B. Muthulakshmi	Diurnal And Seasonal Variations In Ground Level Ozone (Glo) And Relationship With Meteorological Condition At Residential Area, Chennai.	Asia pacific journal of research Vol: I. Issue LI, May 2017
9	Ms. B. Muthulakshmi	Ground level NO ₂ trends on a Diurnal Scale Over a metropolitan Coastal City, Chennai, India	The journal of International journal of current research.
10	Ms. B. Muthulakshmi	Analysis of Ground Level NO ₂ over an Industrial area, Chennai, India	Asia pacific journal of research Vol: I. Issue LVII, November 2017 174
11	Ms. B. Muthulakshmi	Comparison of Ground level Ozone concentration during Summer and Winter at a Residential area, Chennai	Asian Journal of Science and Technology Vol. 08, Issue, 11, pp.6743-6745, November, 2017
12	Mr.R.R. Saravanan	Crystal growth, spectral, thermal and optical properties of an organic single crystal–Dye doped hippuric acid	Optik-International Journal for Light and Electron Optics 125 (3), 916-919,5,2014.
13	Mr.R.R. Saravanan	Crystallographic, experimental (FT-IR and FT-RS) and theoretical (DFT) investigation, UV–Vis, MEP, HOMO–LUMO and NBO/NLMO of (E)-1-[1-(4-Chlorophenyl) ethylidene] thiosemicarbazide	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 121, 268-275,4,2014.
14	Mr.R.R. Saravanan	Spectroscopic analysis of 3-Bromodiphenylamine with	Spectrochimica Acta Part A: Molecular and Biomolecular

		experimental techniques and quantum chemical calculations	Spectroscopy 131, 432-445,1,2014.
15	Mr.R.R. Saravanan	Conformational analysis, X-ray crystallographic, FT-IR, FT-Raman, DFT, MEP and molecular docking studies on 1-(1-(3-methoxyphenyl) ethylidene) thiosemicarbazide	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 139, 321-328,6,2015
16	Mr.R.R. Saravanan	Crystal growth and properties of NLO optical crystal–Butylated Hydroxy Toluene (BHT)	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 138, 13-20, 2, 2015.
17	Mr.R.R. Saravanan	Synthesis, crystal growth, characterization and Hirshfeld surface analysis of 2-aminopyridinium 4-aminobenzoate single crystal for non linear optical applications	Materials Research Innovations 2017, Doi:10.1080/14328917.2017.1392692
18	Mr.R.R. Saravanan	Growth and characterization of inosine crystals: a third order NLO single crystal	Materials Research Innovations 22 (7), 396-403, 2018