

CURRICULUM VITAE

P. CHRISTURAJ Ph.D

Assistant Professor

Department of Physics

St. Joseph's College (Autonomous)

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Areas of Research Interest:

Synthesis , growth and characterization of single crystals, and nano materials and their applications

Personal:

- Name : P. Christuraj
- Date of Birth : 18. 12.1972
- Nationality : Indian
- Sex : Male
- Marital Status : Married

Education:

- Ph.D. from Bharathidasan University. February 2016
- M.Phil, M.Sc.,PGDCSA and B.Sc., from St. Joseph's College (Autonomous), Trichy 620 002.
- B.Ed., from Annamalai University, 1996.

Employment Record:

- Assistant Professor Aided: Department of Physics, St. Joseph's College, Trichy from 19.10.2017 onwards
- Lecturer(Selffinance): Department of Physics, St. Joseph's College, Trichy from 16.06.1998 to 18.10.2017

Administrative Experience:

- President of Physics Association, 2016-17
- Additional Chief superintendent for semester examinations 2004
- Member of Board of studies , Department of Physics, St. Joseph's college
- Purchase officer, Department of Physics from June 2017 to till date
- Fine arts incharge for the department for many years
- Astronomical club member , St. Joseph's College 2015-17
- Youth Red Cross programme officer for Shift I , St. Joseph's college from June 2017 to till date

Publications:

Journal Publications

- **P. Christuraj**, M. Dinesh Raja, J. Madhavan, International Research Journal of Engineering and Technology, Spectroscopic , mechanical and optical properties of L-Serine Ammonium Carbonate (LSAC) single crystal, 4(91-115) 2017
- M. Dinesh Raja, **P. Christuraj**, J. Madhavan International Research Journal of Engineering and Technology, Linear and Non linear optical properties of metal incorporated L-Serine crystals 4(73-77) 2017
- **P. Christuraj**, M. Dinesh Raja, J. Madhavan, International Journal of Scientific, Research in Science and Technology, Spectroscopic, mechanical and optical studies of L-Valine picrate single crystal, 3(49) 2017
- **P. Christuraj**, M. Dinesh Raja, J. Madhavan, International Journal of Scientific, Research in Science and Technology, Spectroscopic, mechanical, and optical studies of L-Valine picrate single crystal 3(49) 2017
- M. Dinesh Raja, **P. Christuraj**, J. Madhavan, International Journal of Scientific, Research in Science and Technology, Spectroscopic, hyper polarizability and optical properties of N-Benzyl-2-Methyl-4-nitro aniline single crystal, 3(15) 2017

- Jain John, **P.Christuraj**, K. Anitha, T. Balasubramanian,(2009) Growth and characterization of cobalt chelated glycine single crystals for opto electronics applications, Materials chemistry and physics, 118(2009)284-287
- **P. Christuraj**, K.Kaviyarasu, s. Anbarasu, P.S. Joseph, Prem Anand Devarajan, Photoconductivity, spectral and electrical conductivity studies of Zinc boro – d- (1-malate) NLO single crystals, Der Pharama Chemica 2011, 3(6):521-527
- **P. Christuraj**, M. Lalitha, S. Anbarasu, P.S. Joseph, A. Jestin Lenus, T. Kishore Kumar, and D. Prem Anand, Studies on the growth and characterization of a new non linear optical Copper Guanidinium Sulphate single crystals, Scinencia Acta Xaveriana vol.3, (2012) 11-25
- **Christuraj** Paul Chinnappan, Anbarasu Selvaraj, Joseph Pitchamuthu Stalin, Prem Anand Devarajan, Optik, Growth and characterization of l-Histidinium chloroacetate (LHCA): A new nonlineaar optical material, 127(2016)110-115
- **Christuraj** Paul Chinnappan, Anbarasu Selvaraj, Joseph Pitchamuthu Stalin, Prem Anand Devarajan, Optik, Growth and characterization studies of l-threonine phosphate (LTP) a new semiorganic NLO crystal, 126(2015)5517-5521

Courses Taught:

- Mechanics and properties of matter
- Mathematical physics
- Sound thermal and statistical physics
- Electricity and magnetism
- Programming in C
- Digital Electronics
- Analog Electronics
- Electromagnetic theory

- Modern Photography
- Atomic, and nuclear physics
- Classical mechanics
- Optics and Spectroscopy
- Numerical methods

M.Phil Projects Guided: 20