


<b>FACULTY PROFILE</b>		
Name	:	<b>Dr. A. ANTONY JOSEPH</b>
Designation	:	ASSOCIATE PROFESSOR
Department	:	PHYSICS
Educational Qualification	:	M.Sc., M.Phil., Ph.D.,
Subject of Interest	:	Material Science – Photonics Nano Materials
Publications –  (International peer reviewed Journal Papers)	:	 <ol style="list-style-type: none"> <li>1. “Structural, spectral and nonlinear optical analysis of aqua chloro (l-prolinato) copper(II) crystal”, Springer - Journal of Materials Science: Materials in Electronics, Vol.30, (February 2019) 1-7. ISSN: 0957-4522, <b>Impact Factor: 2.779.</b></li> <li>2. “A study on the properties of potassium penta borate crystals” Elsevier- Optik-International Journal for Light and Electron Optics 127 (13), (July 2016) 5365- 5369. ISSN: 0030-4026, <b>Impact Factor: 2.84.</b></li> <li>3. “Comparative spectroscopic studies on pure, 10 and 50 mol % glycine mixed L-valinium picrate crystals” Journal of Minerals and Materials Characterization and Engineering, Vol. 2, (January 2014) 8-14. ISSN: 2327-4085, <b>Impact Factor: 1.370</b></li> <li>4. “Crystal growth and spectroscopic characterization of Aloevera amino acid added lithium sulfate monohydrate: A non-linear optical crystal” Elsevier- Spectrochimica Acta A, Vol.122, (2014) 232-237. ISSN:1386-1425, <b>Impact Factor: 4.831.</b></li> <li>5. “Studies on growth and spectral characterization of diglycine fumarate monohydrate single crystals”, Elsevier- Spectrochimica Acta A, Vol.97, (August 2012) 1120 – 1124. ISSN: 1386-1425, <b>Impact Factor: 4.831.</b></li> <li>6. “Crystal growth, spectral and NMR studies of nonlinear optical crystal: L- valinium picrate”, Elsevier- Journal of Optik, Vol. 123 Issue 16 (2012) 1436– 1439. ISSN: 0030-4026, <b>Impact Factor: 2.84.</b></li> <li>7. “Spectroscopic Studies on the Influence of 10 mol % of glycine on nonlinear optical crystal L-valinium picrate”, Elsevier- Spectrochimica Acta A, Vol.82, Issue 1 (November 2011) 410 – 413. ISSN: 1386-1425, <b>Impact Factor: 4.831.</b></li> </ol>

	<p>8. “Synthesis, spectral and thermal studies of new nonlinear optical crystal: L-valinium fumarate”, Elsevier- Materials Letters, Vol.64, Issue 2 (January 2010) 108–110. ISSN: 0167-577X, <b>Impact Factor: 3.574.</b></p> <p>9. “Growth, spectral, optical and thermal characterization of new metallorganic crystal – bis thiourea nickel chloride”, Elsevier- Spectrochimica Acta A, Vol.74, Issue 5 (December 2009) 1005-1009. ISSN: 1386-1425, <b>Impact Factor: 4.831.</b></p> <p>10. “Crystal growth and characterization of new non linear optical single crystals of L- alaninium fumarate”, Elsevier- Materials Letters, Vol.63, Issue 28 (November 2009) 2507 – 2509. ISSN: 0167-577X, <b>Impact Factor: 3.574.</b></p> <p>11. “Crystal growth and comparative studies of XRD, spectral studies on new NLO crystals: L- valine and L- valinium succinate”, Elsevier- Spectrochimica Acta A, Vol.74, Issue 3 (October 2009) 825 – 828. ISSN: 1386-1425, <b>Impact Factor: 4.831.</b></p> <p>12. “Growth and spectroscopic characterization of a new organic nonlinear optical crystal: L-alaninium succinate”, Elsevier- Spectrochimica Acta A, Vol.72, Issue 4 (May 2009) 753 – 756. ISSN: 1386-1425, <b>Impact Factor: 4.831.</b></p>
Publications – International Book Chapter	<p>Chapter : Growth of Organic Non Linear Optical Crystals from Solution Crystal Growth, Book Title : Modern Aspects of Bulk Crystal and Thin Film Preparation Publisher : InTech Publisher, Croatia, UK. ISBN No : 978-953-307-610-2 Page No : 529 – 552 Edition : January 2012</p>
Publications – National Book	: Engineering Physics –I, SAMS Publications, Chennai (2008)
Google Scholar Link	: <a href="https://scholar.google.com/citations?user=mubEJMwAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=mubEJMwAAAAJ&amp;hl=en</a>

Paper Presented in Overseas	<ol style="list-style-type: none"> <li>1. "Growth and Spectral Characterization of Glycinium Fumarate - A New Nonlinear Optical Material", International Conference on Materials for Advanced Technologies (ICMAT-2011), 26 June- 1 July 2011, Suntec Singapore international convention &amp; exhibition centre, Singapore.</li> </ol>
Paper Presented in National Conferences	<ol style="list-style-type: none"> <li>1. "Crystal growth and NMR spectral studies of pure, 10 and 50 mol % glycine mixed L-valinium picrate crystals", National Seminar on Recent Trends in Crystal Growth &amp; Nano Materials, March 2012, National College, Trichy.</li> <li>2. "L-Valine and L- Valinium Succinate: Crystal growth and Characterization of Nonlinear Optical Crystals", Conference on Crystal Growth Science and Technology, 18-19 October 2010, Anna University, Chennai</li> <li>3. "Growth and Spectral Studies of L-Valinium Picrate: A Nonlinear Optical Crystal", International Conference on Recent Frontiers in Applied Spectroscopy, September 2010, Annamalai University, Chidambaram.</li> <li>4. "Investigation of a new nonlinear optical crystal: L-valinium fumarate", XIV National Seminar on Crystal Growth, 10-12 March 2010, VIT University, Vellore.</li> <li>5. "Synthesis, spectral and thermal studies of new nonlinear optical crystals:L-alaninium Fumarate",XIV National Seminar on Crystal Growth, 10-12 March 2010, VIT University, Vellore.</li> </ol>
Grant Received	<ol style="list-style-type: none"> <li>1. DST travel grant Rs. 72,381/- to attend International Conference on Materials for Advanced Technologies (ICMAT-2011) during 26 June to 1 July 2011 held at Suntec Singapore international convention &amp; exhibition centre, Singapore. <b>(SERB order No: SR / ITS / 1136 / 2011-2012).</b></li> <li>2. IIT Bombay Travel grant Rs. 4500/- to attend Indian Nano User Programme - Familiarization workshop on Nanofabrication Technologies held at IIT Bombay during November 29-December 01 2017.</li> </ol>
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