

DEPARTMENT OF PHYSICS

Name	Dr.A. Anbarasi
Designation	Associate Professor
Qualification	M.Sc., M.Ed., M Phil., PhD - Physics
Date of Birth & Age as on 31-05-2024	15-05-1969 (55 years 16 Days)
Work Experience as on 31-5-2024	23 Years 8 Months 16 Days
Details of Papers Published	<ol style="list-style-type: none"> 1) Anbarasi A, Kumar SR, Raj MP, Sundar GS, Ganapathy M, Kubendiran T, Varalakshmi S. Synthesis, growth and characterization of semiorganic nonlinear optical single crystal bis (thiourea) barium nitrate (BTBN) for frequency conversion. Mater. Sci.-Pol. 2019 Sep 1;37(3):381-8. 2) Anbarasi A, Kumar SR, Sundar GS, Mosses MA, Raj MP, Prabhakaran M, Ravisankar R, Gunaseelan R. Investigations on synthesis, growth and physicochemical properties of semi-organic NLO crystal bis (thiourea) ammonium nitrate for nonlinear frequency conversion. Physica B: Condensed Matter. 2017 Oct 1;522:31-8. 3) A. Anbarasi, T. Revathi, S. Selvakumar, S. M. Ravi kumar, Investigations on the new organic NLO Crystal: Thiourea Mono Acetate (TMA), Elixir Optical Materials 64 (2013) 19304 – 19307 4) R. Srineevasan, A. Anbarasi, T. Revathi, S.M. Ravi Kumar. Growth and characterizations of a new semiorganic nonlinear optical material thiourea potassium hydrogen phthalate for NLO applications, Materials Chemistry and Physics 177 (2016) 25-30. 5) A. Anbarasi, S.M. Ravi Kumar, R. Srineevasan, M. Packiya raj, Nonlinear optical, mechanical,

	<p>electrical, photoconductivity and surface morphology studies of thiourea potassium hydrogen phthalate (TKHP) nonlinear optical crystal for frequency conversion, Mechanics, Materials Science & Engineering (Accepted, Article in Press(2018))</p> <p>6) M. Packiya raj, S.M. Ravi Kumar, D. Sivavishnu, T. Kubendiran, A. Anbarasi, and S.E. Allen Moses, Synthesis, Growth and Optical, Mechanical, Electrical and Surface Properties of an Inorganic New Nonlinear Optical Crystal: Sodium Cadmium Tetra Chloride (SCTC), Crystal Research & Technology, 2018, 1700271.</p> <p>7) S.M. Ravi Kumar, S. Selvakumar, P. Sagayaraj and A. Anbarasi, Growth, optical, electrical and photoconductivity studies of a novel nonlinear optical single crystal: Mercury cadmium chloride thiocyanate, IOP Conf. Series: Materials Science and Engineering 73 (2015) 012049</p> <p>8) A. Anbarasi, S. M. Ravi Kumar, G. J.Shanmuga Sundar, M.Allen Moses, M. Packiya raj, Optical, mechanical, thermal and dielectric properties of bis(thiourea) ammonium nitrateNLO crystal, Proceedings of the National Conference on preparation and characterization of crystalline materials (NCPCCM-2017)</p> <p>9) A. Anbarasi, S. M. Ravi Kumar, G. J.Shanmuga Sundar, M. Packiya raj, Synthesis, growth and characterization of bis(thiourea) barium nitrate (BTBN) – New Semiorganic Nonlinear Optical Crystal,Proceedings of the National Conference on preparation and characterization of crystalline materials (NCPCCM-2017)</p> <p>10) G. J.Shanmuga Sundar,A. Anbarasi, S. M. Ravi Kumar, M.Allen Moses, M. Packiya raj, Synthesis, growth and characterization studies on thiosemicarbazide barium chloride nonlinear optical crystal, Proceedings of the National Conference on preparation and characterization of crystalline materials (NCPCCM-2017)</p>
<p>Details of Participation in Conferences</p>	<p>1) International Conference on Emerging Trends in Physics(ICETP-2013), St Joseph's College of Arts and Science(Autonomous), Cuddalore, 21st& 22ndFebruary 2013</p> <p>2) National conference on Nanomaterials (NCONM-2013), Department of Physics, Govt. Arts College, Thiruvannamalai, 17th& 18th April 2013</p> <p>3) National Workshop Ionizing Radiations-Detection, Applications andRegulatory Aspects(IRDARA-2014), PG & Research</p>

Department of Physics and Chemistry, Govt. Arts College, Thiruvannamalai, 10th&11th April 2014.

- 4) International Conference on Crystal Growth and Biomolecular Crystallography(ICCGBC-2014), Sastra University, Thanjavur, 28th& 29th November 2014
- 5) National Seminar on Recent Advances on Luminescent Materials (RALM- 2015). Department of Chemistry, Annamalai University, Annamalai Nagar. 23rd& 24th January 2015.
- 6) National Seminar on New Trends on BIOETHICS in BIOLOGY(NTBR- 2015), PG & Research Department of Botany, Periyar Arts College, Cuddalore, 5th& 6th February 2015
- 7) National-Level Seminar on Recent Advancement in Physics(NLSRAP-2015), PG & Research Department of Physics, Thiru Kolanjiappar Govt. Arts College, Vriddhachalam, 21st February 2015.
- 8) National Workshop on Materials Science and Theoretical Physics (WOMSAT-2015), St Joseph's College of Arts and Science (Autonomous), Cuddalore, 2nd& 3rd September 2015.
- 9) National Conference on Preparation and Characterization of Crystalline Materials (NCPCCM-2016), Govt. Arts College, Thiruvannamalai. 4th& 5th August 2016.
- 10) International conference on Nanomaterials and Molecular Research ICNMR-2016, ST.Joseph's College of Arts & Science (Autonomous) Cuddalore, 8th& 9th December 2016.
- 11) Material Science And Technology: Recent Trends And Future Prospects- 2016, Arignar Anna Government Arts College, Villupuram, 29th& 30th December 2016.
- 12) Recent Advances in Chemical And Environmental Research (RACE-2017), Department of Chemistry, Annamalai University, 20th& 21st January-2017.
- 13) National Workshop On Recent Developments In Science And Engineering Materials (NWRDSEM-2017), Engineering Physics Section, Annamalai University, 1st March 2017
- 14) 21st National Seminar On Crystal Growth And Application (NSCGA-2017). National College (Autonomous), Tiruchirappalli, 6th & 8th March-2017.
- 15) National Conference on Recent Advancements in Materials Science (NCRAMS-2017), Govt. Arts College, Thiruvannamalai, 25th& 26th July 2017
- 16) National Conference on Preparation and Characterization of Crystalline Materials

	(NCPCCM-2017), Government Arts College, Tiruvannamalai, 5 th & 6 th September 2017. 17) 22nd National Seminar on crystal Growth and Applications, Department of Physics, Sacred Heart College, Autonomous, Tirupattur, Vellore Dt., 29 th & 31 st January 2018.
Details of Conferences Organized	Nil
Awards Received and Achievements	Nil
Administrative Responsibilities in College	Admission Committee Member, Enquiry Committee Member, Internal Complaint Committee Member
Membership in Academic / Professional bodies	Nil
Communication Address	No – 43, ALC Campus, Cuddalore – 607001 Contact - 9789670668
Other information, if any	Nil