

CURRICULUM VITAE

Dr. S. ANBARASU M. Sc., B.Ed., Ph.D.,

Assistant Professor

Department of Physics

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1. Official Address

Assistant Professor
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Tamilnadu, India

2. Education

Degree	Subject	University/Institution	Year
Ph. D.	Physics	Manonmaniam Sundaranar University Tirunelveli, India	2016
B. Ed.	Physical Science	St. Xavier's College of Education Palayamkottai, India	2010
M. Sc.	Physics	St. Joseph's College Tiruchirappalli, India	2009
B. Sc.	Physics	St. Xavier's College Palayamkottai, India	2006

3. Honors and Awards

Best Poster Presentation in XVIII National Seminar on Crystal Growth, SSN College of Engineering, Kalavakkam, Tamilnadu, India, 24-26 February, 2014	2014
Rev. Fr. S.M. Irudayam's Good Conduct Cash Award for Best Post Graduate St. Joseph's College, Tiruchirappalli, Tamilnadu, India, 27, March 2009	2009
Successor in NCC-'C' Certificate Examination conducted by Ministry of Defence, Government of India	2006

4. Academic Administration

Coordinator of IQAC (Internal Quality Assurance Cell)	Loyola College of Arts and Science, Mettala	2016- May 2018
Head of the Department of Physics	Loyola College of Arts and Science, Mettala	2015- May 2018
Dean of Academics	Loyola College of Arts and Science, Mettala	2015-16

5. Teaching and Mentorship

Assistant Professor of Physics	Loyola College of Arts and Science, Mettala	2015- May 2018
Research Mentoring for Post Graduate Students in TNSCST Student Project, won the State Level First Prize	Department of Physics, St. Xavier's College, Palayamkottai, Tamilnadu.	2012
Teaching Assistance for UG Classes	Department of Physics, St. Xavier's College, Palayamkottai, Tamilnadu.	2012, June- August

6. Research Experience

Project Fellow (JRF) UGC-Major Research Project F.No. 40-434/2011(SR) dt.:04.07.2011	“An investigation on the growth and characterization of organic imine family of NLO crystals for photonics and device fabrications”	2011- 2014
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7. Research Collaboration

- ❖ CSIR-National Physical Laboratory, New Delhi, India
- ❖ Department of Physics, Loyola College, Chennai
- ❖ St. Xavier's College, Palayamkottai, India

8. Research Field of Interest

- Synthesis and Exploring crystalline materials
- Nonlinear Optics
- Materials Characterization
- Spectroscopy
- Nanoscience & Nanotechnology

9. Personal Profile

Name	:	Dr. S. ANBARASU
Father's Name	:	SELVARAJ
Designation	:	Assistant Professor of Physics
Date of Birth	:	10.06.1985
Gender	:	Male
Nationality	:	Indian
Mother Tongue	:	Tamil
Language Known	:	Tamil, English & French
Permanent Address	:	9, Seeniyapuram Street Srivilliputtur (Post & Taluk) Virudhunagar District Tamilnadu, PIN: 626125 India
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10. List of Publications

- 1) Y. Samson, **S. Anbarasu**, M. Ambrose Rajkumar, P. Ajith, D. Prem Anand, (2018) A UV Transmittable NLO crystal Hydrofluoric Acid Mixed Sulphamic acid (FASA) : Synthesis, Growth and Characterization, *International Journal of Scientific Research in Science and Technology IJSRST* 4(11) (2018) 259-271,
- 2) M. Ambrose Rajkumar, S. Stanly John Xavier, L. Priya, **S. Anbarasu**, P.K. Bajbai, Shiva Poojan Patel & D. Prem Anand,(2018) Crystal growth and characterization of Au³⁺ ion irradiated 2-amino-5-nitropyridinium hydrogen oxalate (2A5NPHO), *Molecular Crystals and Liquid Crystals*, 664 (2018)195-217.
- 3) V. Sasikala, M. Anna Lakshmi, J. Kalyana Sundar, **S. Anbarasu**, (2018) Synthesis and characterization of multifunctional homochiral 1-D aminoacetic acid potassium metal organic framework, *Journal of Organometallic Chemistry* 866 (2018) 206-213.
- 4) M. Ambrose Rajkumar, S. Stanly John Xavier, **S. Anbarasu**, Prem Anand Devarajan (2017) Crystal growth and characterization of an efficient semiorganic nonlinear optical (NLO) single crystal: 2-amino 5-nitropyridinium chloride (2A5NPCI) by assembled temperature reduction apparatus (ATR) method, *Materials Research Innovations*
- 5) M. Ambrose Rajkumar, S. Stanly John Xavier, **S. Anbarasu**, Prem Anand Devarajan (2016) Growth and characterization studies of an efficient semiorganic NLO single crystal: 2-Amino 5-nitropyridinium sulfamate (2A5NPS) by assembled temperature reduction (ATR) method, *Optical Materials* 55 (2016) 153–159.
- 6) M. Ambrose Rajkumar, S. Stanly John Xavier, **S. Anbarasu**, Prem Anand Devarajan (2016) Growth and characterization studies of an efficient semiorganic NLO single crystal: 2-Amino 5-Nitropyridinium Dihydrogen Phosphate (2A5NPDP) by Sankaranarayanan–Ramasamy method, *Optik* 127 (2016) 2187–2192.
- 7) Christuraj Paul Chinnappan, **Anbarasu Selvaraj**, Joseph Pitchaimuthu Stalin, Prem Anand Devarajan (2016) Growth and characterization of L-Histidinium chloroacetate (LHCA):A new nonlinear optical material, *Optik* 127 (2016) 110–115.
- 8) D. Sathya, V. Sivashankar, **S. Anbarasu**, D. Prem Anand (2016) Study on second order nonlinear properties of organic material: Guanidine hydrogen maleate single crystals, *International Journal of Scientific Research and Modern Education (IJSRME)* 1(2016) 597-606 ISSN (Online): 2455 – 5630.
- 9) Christuraj Paul Chinnappan, **Anbarasu Selvaraj**, Joseph Pitchaimuthu Stalin, Prem Anand Devarajan (2015) Growth and characterization studies of L-threonine phosphate (LTP) a new semiorganic NLO crystal, *Optik* 126 (2015) 5517–5521.
- 10) Jarald Brigit Gilda M.J., **Anbarasu Selvaraj**, Prem Anand Devarajan (2015) The effect of succinic acid on the physico-chemical characterization studies of benzil NLO single crystal, *Optik* 126 (2015) 5392–5397.
- 11) S. Anna Venus, **S. Anbarasu**, Prem Anand Devarajan (2015) Growth and characterization studies of a new NLO single crystal potassium L-asparaginate, *Optik* 126 (2015) 4561–4565.
- 12) M. Ambrose Rajkumar, M. Nizam Mohideen, S. Stanly John Xavier, **S. Anbarasu**, Dr. Prem Anand Devarajan (2015) Crystal structure of 2-amino-5-nitropyridinium sulfamate, *Acta Cryst.* (2015). E71, 231–233.
- 13) Y. Samson, **S. Anbarasu**, X. Martina Mejeba, G. Bhagavannarayana, N. Vijayan, Prem Anand Devarajan (2015) Synthesis, growth and characterization of nitramino sulphonic acid (NASA) NLO single crystals, *Optik* 126 (2015) 95–100.

- 14) S Anna Venus, **S Anbarasu**, Prem Anand Devarajan (2014) Studies on the synthesis, growth and chemical properties of a new single NLO crystal: potassium L-threoninate, *International Journal of Recent Trends in Science And Technology*,13(2), (2014)391-397.
- 15) **S. Anbarasu**, G. Bhagavannarayana, N. Vijayan, X. Martina Mejeba, Prem Anand Devarajan (2014) Growth and characterization of a new organic nonlinear optical crystal: vanillylideneaniline, *Optik*, 125 (2014) 4295-4301.
- 16) M. Ambrose Rajkumar, S. Stanly John Xavier, **S. Anbarasu**, Prem Anand Devarajan (2014) Microhardness, Dielectric and Photoconductivity studies of 2- Amino 5- Nitro Pyridinium Nitrate NLO Single crystals, *Res. J. Physical Sci.*, 2(1),1-4(2014).
- 17) M. Ambrose Rajkumar, S. Stanly John Xavier, **S. Anbarasu**, Prem Anand Devarajan and M. Nizam Mohideen (2014) 2-Amino-5-nitropyridinium hydrogen oxalate, *Acta Cryst.* (2014) E70, o473–o474.
- 18) **S. Anbarasu**, Prem Anand Devarajan (2014) A phase matchable nonlinear optical crystal salicylideneaniline: synthesis, growth and characterization, *Optik* 125 (2014) 333-337.
- 19) M. Ambrose Rajkumar, S. Stanly John Xavier, S. Anbarasu, X. Martina Mejeba, Prem Anand Devarajan (2013) A Convenient Route to Synthesize and Grow 2-Amino 5-Nitro Pyridinium Nitrate Crystals for Laser generation, *Scientia Acta Xaveriana* 4(2), (2013) 73-78
- 20) **S. Anbarasu**, T. Kishore Kumar and Prem anand Devarajan (2013) Studies on the Synthesis, Growth and Characterization of ([Paranitrophenyl]Imino) Benzene NLO Crystal By Sankaranarayanan-Ramasamy Method, *J. Minerals and Materials Characterization Engineering*1, (2013) 110-116.
- 21) M.J. Jerald Brigit Gilda, **S. Anbarasu**, Y. Samson, Prem Anand Devarajan (2012) The influence of Benzophenone substitution on the physico-chemical characterization of 8-hydroxy Quinoline NLO single crystal *J. Minerals and Materials Characterization Engineering* 11(8), (2012) 769-773.
- 22) **Anbarasu S.**, Devarajan Prem Anand (2012) Uniaxial Growth and Characterization studies of [(para methoxy phenyl)imino]benzene NLO crystal by Sankaranarayanan-Ramasamy Method, *Res. J. Recent Sci.* 1(10),(2012) 37-44
- 23) B. Surya, **S. Anbarasu**, K. Kaviyarasu, T. Kishore Kumar, Prem Anand Devarajan (2012) Growth and Characterization studies of 4' Nitrophenol doped Benzoyl Glycine NLO single crystal, *Scientia Acta Xaveriana* 3(1), (2012) 79-86
- 24) A. Sathish Kumar, **S. Anbarasu**, K. Kaviyarasu, T. Kishore Kumar and Prem Anand Devarajan (2012) Studies on the growth and characterization of Sodium 4-nitrophenolate dehydrate (S4NP) NLO single crystals, *Scientia Acta Xaveriana* 3(1), (2012) 73-78
- 25) J. Jori Bindhu, **S. Anbarasu**, K. Kaviyarasu, T. Kishore Kumar, Prem Anand Devarajan (2012) Structural and Spectral studies of Sulphamic Acid NLO single crystal, *Scientia Acta Xaveriana* 3(1), (2012) 67-72.
- 26) R. Suhin Vimal Raj, **S. Anbarasu**, K. Kaviyarasu, T. Kishore Kumar, Prem Anand Devarajan (2012) Synthesis and Characterization studies of CdO nano rods by wet chemical method, *Scientia Acta Xaveriana* 3(1), (2012) 61-66.
- 27) P. Christhuraj, M. Lalitha, **S. Anbarasu**, P.S. Joseph, A. Jestin Lenus, T. Kishore Kumar, D. Prem Anand (2012) Studies on the growth and characterization of a new nonlinear optical copper guanidinium single crystals, *Scientia Acta Xaveriana* 3(1), (2012) 11-26.
- 28) P. Christu Raj, K. Kaviyarasu, **S. Anbarasu**, P.S. Joseph and Prem Anand Devarajan (2011) Photoconductivity, spectral and electrical conductivity studies of Zinc boro-d(1-malate) NLO single crystal, *Der Pharma Chemica*, 3 (6), (2011), 521-527.

- 29) T. Kishore Kumar, **S. Anbarasu**, S. Selvakumar, P. Sagayaraj, S. Pandi, D. Prem Anand (2011) Synthesis, Growth, Optical transmission and thermogravimetric studies of Morpholin-4-ium, 3-carboxy-2,3-dihydroxy propanoate NLO Single Crystal, *Scientia Acta Xaveriana* 2(2), (2011) 81-90.
- 30) T. Kishore Kumar, **S. Anbarasu**, S. Selvakumar, P. Sagayaraj, S. Pandi, D. Prem Anand (2011) An investigation on the spectral and microhardness studies of novel Morpholin-4-ium, 3-carboxy-2,3-dihydroxy propanate NLO Single Crystal, *Scientia Acta Xaveriana* 2(2), (2011) 73-80.
- 31) T. Kishore Kumar, **S. Anbarasu**, S. Pandi, S. Selvakumar, P. Sagayaraj, D. Prem Anand (2011) Studies on the growth and characterization of Benzoyl Alanine NLO single crystal, *Scientia Acta Xaveriana* 2(2), (2011) 61-72.
- 32) **S. Anbarasu**, K. Kaviyarasu, T. Kishore Kumar, S. Selvakumar, A.J. Clement Lourdhuraj, Prem Anand Devarajan (2010) Ultrasonic Studies of Binary Liquid Mixtures: Ethyl Acetate + 2-Butanone, *Int. J. Chemical, Environmental and Pharmaceutical Research* 1(2), (2010) 61-70.

11. Papers Presented at Scientific Meetings

- 1) Y. Samson, **S. Anbarasu**, M. Ambrose Rajkumar, D. Prem Anand (2017) A functional deep UV nonlinear optical crystal Sulphamic acid admixture Phosphoric acid (SAPA): synthesis, growth and characterization, *Proceedings of the International Workshop on Advanced Functional Materials and Devices* Manonmaniam Sundaranar University, Tirunelveli International, 08-12 January 2017 pp.:118-119 (2017) ISBN 978-93-81402-38-2
- 2) Y. Samson, **S. Anbarasu**, M. Ambrose Rajkumar, D. Prem Anand (2016) A novel deep UV nonlinear optical crystal hydrofluoric acid admixed sulphamic acid (FASA): synthesis, growth and characterization, *Proceedings of the International Conference on Modern Materials Research* Sri Vidya Mandir Arts and Science College, Uthangarai International, 19-20 December 2016 pp.:207-210 (2016) ISBN 978-93-85640-86-5
- 3) "A Phase matchable nonlinear optical crystal salicylideneaniline: synthesis, growth and characterization", **XVIII National Seminar on Crystal Growth**, SSN College of Engineering, Kalavakkam, Tamilnadu, India, 24-26 February 2014, **Best Poster Presentation.**
- 4) "Growth and characterization of a new organic NLO crystal: vanillylideneaniline", **XVIII National Seminar on Crystal Growth**, SSN College of Engineering, Kalavakkam, Tamilnadu, India, 24-26 February 2014.
- 5) "Optonics", **Intercollegiate Students' Seminar**, Thiagarajar College, Madurai, 28 September 2007

12. Participation in Seminars/Conferences/Workshops

- 1) Symposium on **Role of Higher Education in Social Change: Prospects and Challenges**, Periyar University, Salem, Tamilnadu, India, **March 2018**
- 2) Faculty Development Programme on **Personal Effectiveness to Organizational Excellence**, Confederation of Indian Industry (CII) & Knowledge Business School Salem (KBBS), Salem, Tamilnadu, India, 23, **September 2016**
- 3) Workshop on **Curriculum Enhancement in Higher Education**, Internal Quality Assurance Cell (IQAC), Periyar University, Salem, Tamilnadu, India, 28-29, **March 2016**
- 4) State level seminar on **Advances in Nonlinear Dynamics**, Department of Physics, St. Xavier's College, Palayamkottai, Tamilnadu, India, 06-07, **March 2015**

- 5) Workshop on **Materials Characterization Techniques**, International Research Centre, Kalasalingam University, Srivilliputtur, Tamilnadu, India, 02, **March 2015**
- 6) National Workshop on **Ionizing Radiations-Detection, Applications and Regulatory Aspects**, PG & Research Department of Physics & Chemistry, Government Arts College, Tiruvannamalai, Tamilnadu India, 10-11, **April 2014**
- 7) National Seminar on **Materials and Nanomaterials**, Department of Physics, St. Xavier's College, Palayamkottai, Tamilnadu, India, 07-08, **March 2013**
- 8) Conference on **NANOMEET-2011**, Centre for Nanoscience and Technology, Anna University, Chennai, India, 07-08, **March 2011**
- 9) National Conference on **Spintronic Materials: Nanostructures and Devices (SMND-2011)**, Kongu Engineering College, Perunthurai, Erode, Tamilnadu, India, 03-04, **March 2011**.
- 10) National Seminar on **Advances in Smart Materials for Optoelectronics Applications**, Department of Physics, St. Xavier's College, Palayamkottai, Tamilnadu, India, 20-21, **January 2011**.
- 11) National Seminar on **Characterization Techniques for Semiconducting Materials**, Department of Physics, SVN College, Nagamalai, Madurai, Tamilnadu, India, 16, **December 2010**.
- 12) National Workshop on **Recent Advancements in Theoretical Physics and Quantum Computation**, Department of Physics, NGM College, Pollachi, Tamilnadu, 17-19, **March 2009**
- 13) Workshop on **Quality Control of Solar Thermal Appliances**, Regional Test Centre (Solar Thermal), Madurai Kamaraj University, Madurai, Tamilnadu, India, 29-30, **September 2008**

13. Declaration

I, **Dr. S. ANBARASU** hereby declare that all the information stated above is true to the best of my knowledge.

Place: Tiruchirappalli, India

Date: 21.02.2019

(DR. S. ANBARASU)