

Name : **Dr. S.Prabu**

Designation: **Teaching Fellow**

Department of Physics

University College of Engineering, Ariyalur

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Ariyalur -621704**

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➤ **Research Area:** Crystal growth, Non-Linear optical crystals, Material Science, Nanomaterials.

➤ **Educational Qualifications:**

Qualification	Department	Year (From -To)	Percentage	Class
B.Sc	Physics	2001-2004	64.43	First
M.Sc	Physics	2004-2006	67.95	First
M.Phil	Nuclear Physics	2007-2008	68.00	First
Ph.D	Physics	2010-2014	-	-

➤ **Experience: (Years)**

Name of Company / Institutions	Designation of Post	From	To	Experience in Year
		DD-MM-YYYY	DD-MM-YYYY	
VIT University, Vellore	Junior Research Fellow (DAE-BRNS Project)	03-11-2008	21-12-2009	01 year
University college of Engineering, Panruti	Research Scholar and Junior Research Fellow (DRDO Project)	July 2010	March 2013	03 years
University college of Engineering, Ariyalur	Teaching Fellow	20.01.2015	Till date	07 years

➤ **Additional / Academic Responsibilities at University:**

Acted as a Class in-charge in various classes (more than five times)

➤ **List of Seminar / Short Term Course / FDP/ Workshop attended: (Within India)**

1. Attended two weeks TEQUIP II sponsored “Faculty Development Programme” Organized by Department of Chemistry, Bharathidasan institute of Technology, Trichy
2. Attended one day workshop on “Recent trends in nano scale science and Technology” Organized by Anna University of Technology, Madurai.
3. Attended three days Seminars On “National Seminar on crystal Growth” Organized by VIT University Vellore.

➤ **Publications :**

a. International Journals:

1. **Prabu, S**, Nagalakshmi, R & Srinivasan, P. 2013, ‘Investigations on the Physico chemical properties of 4-BromoChalcone single crystals for nonlinear optical applications’, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Vol. 103, pp. 45-52.
2. **Prabu, S**, Nagalakshmi, R., Balaji, J & Srinivasan, P. 2014, ‘Synthesis, crystal growth, studies on Vibrational spectroscopy and Nonlinear optical Properties of 4-methoxy-4'-chlorochalcone’, Material Research Bulletin, Vol.50, pp.446-455.
3. **Prabu, S**, Nagalakshmi, R., Balaji, J & Srinivasan, P. 2014, ‘Investigations on the Vibrational modes and Non-Linear Optical properties of 4-Fluoro Chalcone crystal’, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Vol. 129, pp. 114-120.
4. Balaji, J, John Francis Xavier, J, **Prabu, S** & Srinivasan, P. 2014, ‘Crystal structure of (E)-N'-(4-chlorobenzylidene)-4-methylbenzenesulfonohydrazide: a hexagonal polymorph’, Acta crystal E, Vol.70, pp-.o1250-o1251
5. Balaji, J, **Prabu, S**, Srinivasan, P, Srinivasan, T & Velmurugan, D. 2015, ‘Studies on the growth and characterization of a non linear optical crystal: 3 Hydroxy Pyridinium

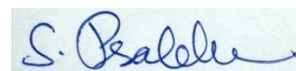
- Tartrate Mono Hydrate (3HPTMH), Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Vol. 144, pp. 139-147
6. Balaji, J, **Prabu, S**, John Francis Xavier, J & Srinivasan, P. 2015, 'Crystal structure of N'-[(E)-(4-chlorophenyl) (phenyl) methyldiene]-4-methylbenzenesulfonohydrazide', Acta crystal E, Vol.71, pp-.o45-o46.
 8. Balaji, J, **Prabu, S** & Srinivasan, P. 2016, '(E)-N'-(4-chlorobenzylidene)-4-methylbenzenesulfonohydrazide (4CBTH) – Synthesis and characterization of organic NLO crystal', Journal of crystal growth. Vol.452, pp.189-197.
 9. Balaji, J, **Prabu.S** & Srinivasan, P. 2017, 'Growth and characterisation of 2',3,4,4',5-pentamethoxychalcone (PMC) - For non linear optical application', Journal of Molecular structure. Vol.1133, pp.135-143.
 10. Balaji, J, **Prabu, S**, Sajan,D & Srinivasan, P. 2017, ' Investigations on spectroscopic, dielectric and optical studies in 3-hydroxypyridinium 4-nitrobenzoate crystals', Journal of Molecular Structure. Vol.1137, pp.142-149.
 11. Balaji, J, Srinivasan, P, **Prabu S**, Merin George, Sajan, D, 2020, 'Growth and dielectric studies of toluidine tartrate single crystals: A novel organic NLO material', Journal of Molecular Structure, 1207, 127750. IF-2.120

➤ **Conferences**

1. Srinivasan, P, Nagalakshmi, R., Dmitry Isakov, Etelvina de Matos Gomes, Michael Scott Belsley & **Prabu, S**. 2012, 'Ruminations on the effect of MeV Si⁸⁺ and Ag⁸⁺ ion irradiation on nonlinear optical l-Valinium picrate single crystals', AIP Conference Proceedings, Vol.1482, pp.695-700.

DECLARATION:

I CERTIFY THAT THE INFORMATION FURNISHED ABOVE IS CORRECT TO THE BEST OF KNOWLEDGE AND BELIEF.



DATE: 24.05.2022

Signature With date