Faculty Profile

1. Name : Dr. V. ASUDEVAN
2. Designation : Associate Professor
3. Date of Joining : 03.06.2013
4. Nature of Association : Regular
5. E mail : vvasucg@gmail.com
6. Mobile no. : +91 9965006192
7. **Academic Qualifications:**

Course	Name of the Institution / University	Year of Passing	% of Marks	Class
Ph.D (Crystal Growth)	Bharathidasan University	April 2013	--	highly comm ended
M.Phil	Alagappa University	June 2005	74.75	First
M.Sc	Ramakrishna Mission Vivekanandha College/ Madras University	October 2003	65.58	First
B.Sc.	Ramakrishna Mission Vidyalaya College of Arts & Science/Bharathiyar University	May 2001	72.00	First
H.Sc	SRV Higher Secondary School	March 1998	73.58	First
S.S.L.C.	SMHS School	March 1996	69.00	First

8. **Teaching Experience**

- **Associate Professor,** K.S.Rangasamy College of Technology, Tiruchengode, from 01.06.2018 to till-date.
- **Assistant Professor,** K.S.Rangasamy College of Technology, Tiruchengode, from 03.06.2013 to 31.05.2018**.**
- **Lecturer,** Priyadarshini Engineering College, Vaniyambadi, Vellore from 11.09.2006 to 24.06.2008.

9. **Projects**

Post Graduate

- **Title:** "Construction of Digital Frequency meter (1 Hz-1MHz)"

M.Phil

- **Title:** "Growth and characterization of organic non-linear optical material 3-methoxy 4-hydroxy benzaldehyde (MHBA)"

- Ph. D

- **Thesis title:** "Studies on conventional and unidirectional growth of L-lysine based semiorganic single crystals for Nonlinear Optical applications"

10. **Publications**

International Journals

1) **V.Vasudevan,** N.Renuka, R.Ramesh Babu, K.Ramamurthi, Growth, spectral, thermal, optical, mechanical and etching studies of l-lysine semi-maleate (l-LSM) single crystals, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 136, Part C, 2015, Pages 1850-1856

2) **V. Vasudevan,** R. Ramesh Babu, K. Ramamurthi, Synthesis, Growth and characterization of L-lysinium(+)...L-lysinium(2+) dichloride perchlorate (LLDP) single crystals by Sankaranarayanan-Ramasamy Method, ***Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy,*** 99 (2012) 259-265.

3) **V. Vasudevan,** R. Ramesh Babu, K. Ramamurthi, Surface topography and optical studies on polystyrene (PS) coated L-Lysine monohydrochloride dihydrate (L-LMHCl) single crystals, ***Materials Letters,*** 68 (2012) 277-279.

4) **V. Vasudevan,** R. Ramesh Babu, G. Bhagavannarayana, K. Ramamurthi, Synthesis, growth, optical, mechanical and electrical properties of L-Lysine L-Lysinium dichloride nitrate (L-LLDN) single crystal, ***Bulletin of Materials Science,*** 34 (2011) 469-475.

5) **V. Vasudevan,** R. Ramesh Babu, K. Ramamurthi, Unidirectional growth of L-lysine L-Lysinium dichloride nitrate (L-LLDN) single crystals by the SR method, ***Physica B: Condensed Matter***, 406 (2011) 936-940.

6) **V. Vasudevan,** R. Ramesh Babu, K. Ramamurthi, Refractive index, birefringence, third-order non-linearity and piezoelectric resonance studies of L-lysine monohydrochloride dihydrate single crystals, ***Physica B: Condensed Matter,*** 406 (2011) 4100-4104.

7) **V. Vasudevan,** R. Ramesh Babu, G. Bhagavannarayana, K. Ramamurthi, Effect of metal and amino acid dopants on the growth and properties of L-Lysine monohydrochloride dihydrate single crystal, ***Materials Chemistry and Physics,*** 124 (2010) 681-688.

8) R. Ramesh Babu, M. Sukumar, **V. Vasudevan,** Mohd. Shakir, K. Ramamurthi, G. Bhagavannarayana, Growth and properties of benzil doped benzimidazole (BMZ) single crystals, ***Materials Research Bulletin,*** 45 (2010) 1194-1198.

9) **V. Vasudevan,** M. Arivanandhan, G. Bhagavannarayana, K. Sankaranarayanan, Feasibility study on Czochralski (Cz) growth of 3-methoxy 4-hydroxy benzaldehyde (MHBA) single crystals for nonlinear optical applications, ***Materials Letters,*** 61 (2007) 1446-1450.

10) J. Duraimurugan, G. Suresh Kumar, P. Maadeswaran, S. Shanavas, P. M. Anbarasan, **V. Vasudevan,** Structural, optical and photocatlytic properties of zinc oxide

nanoparticles obtained by simple plant extract mediated synthesis, Journal of Materials Science: Materials in Electronics, 30 (2019) 1927-1935

Paper Présentation in National Conferences :

1) **V. Vasudevan,** R. Ramesh Babu, K. Ramamurthi, Optical studies on L-lysinium(+)...L-lysinium(2+) dichloride perchlorate (LLDP) single crystals grown by SR method, **National Seminar on Advanced Materials: Processing and Applications,** 29-30, March 2012, Bharathiar University, Coimbatore, India.
2) **V. Vasudevan,** R. Ramesh Babu, K. Ramamurthi, Bulk crystal growth and characterization of L-Lysine L-Lysinium dichloride nitrate (L-LLDN) single crystal, **National Seminar on Recent Trends in Physics**, March 18-19th (2011), Department of Physics, Shivani Engineering College, Trichy, India.
3) **V. Vasudevan,** R. Ramesh Babu, K. Ramamurthi, Growth of bulk L-Lysine L-Lysinium dichloride nitrate (L-LLDN) single crystal by SR method and its characterization, **International Conference on Advanced Materials and its Applications**, March 4-5th (2011), Kalasalingam University, Department of Physics, Virudhunagar, India.
4) **V. Vasudevan,** R. Ramesh Babu, K. Ramamurthi, Characterization of Polystyrene coated L-LMHCl single crystal, **15th National Seminar on Crystal Growth**, February 23-25th (2011), PSN College of Engineering & Technology, Tirunelveli, India.
5) **V. Vasudevan,** R. Ramesh Babu, Growth and characterization of metal ions doped L-Lysine monohydrochloride dihydrate single crystal, **14th National Seminar on Crystal Growth**, March 10-12th (2010), VIT University, Vellore, India.
6) **V. Vasudevan, 13th National seminar on crystal growth**, January 27-29th (2009), SSN Engineering College, Chennai, India.
7) **V. Vasudevan, National seminar on Crystal growth of laser and non-Linear Optical Materials**, September, 25-26th (2008), National College, Trichy, India.
8) **V. Vasudevan,** M. Arivanandhan, N. Vijayan, G. Bhagavannarayana, K. Sankaranarayanan, Growth of vanillin single crystals by Czochralski technique for frequency conversion devices, **Fifth DAE-BRNS National Laser Symposium,** Dec 7-10, 2005, VIT, Vellore-14, India.

11. **Fellowships**

- **Senior Research Fellow (SRF)** – CSIR Project, Grant No. 03/(1105)/08/EMR/II From July2008 to March 2011 at Dept. of Physics, Bharathidasan University, Tiruchirappalli - 620024

12. **Funded Project :**

Title of the project: "Effect Of Metal Ions On Physical And Chemical Properties Of Unidirectionally Grown Amino Acid Based Semi-Organic Single Crystals"

Funding agency: UGC - Minor research project (MRP-6106/15 (SERO/UGC)) (Duration: 2015-2017; Sanctioned Amount: Rs. **3,00,000/-)**

13. **Workshop/FDP/Summer Training Programmes**

- Attended one day national workshop on "Deliberations on AICTE Model Curriculum 2018" at CIT, Coimbatore on 27-06-2018
- Participated one day National workshop on " Nanomaterials Fabrication and Characterization Techniques" at KSRCT, Tiruchengode on 18.03-2019
- Attended National Training Programme on "Development of Laboratory Instruction and Manual'' at KSRCT, Tiruchengode from 04-02-2019 to 08-02-2019

14. **Resrach Activities**

- Presently working in the field of thin film and nano materials fabrication
- Developed R & D laboratory at Department of physics, KSTCT (Received funds from UGC, DST-FIST,DBT STAR)
- **Reviewer** for Materials Today: Proceedings – Elsevier
- Recognized supervisor by Anna University, Chennai
- Total **Citations**: 81, **h – Index**: 06, **i10 Index**: 03

15. **Personal Details**

Fathers Name	**:**	V. Viswanathan
Date of Birth & Age	**:**	**07**.06.1980 & 41 Years
Gender	**:**	Male
Marital Status	**:**	Married
Permanent Address	**:**	Malaikadu, Pillanallur PO, Rasipuram TK, Namakkal – 637 403, Tamilnadu, India.