

RESUME



Name: Dr. V. Sivashankar
Designation: Assistant Professor
Department: Physics
Address: 2A/1, ADJ Nagar, North high ground road,
Palayamkottai-627011.

PERSONAL DETAILS

Date of Birth : 31/08/1978
Qualification : M. Sc ., Ph. D
Designation : Assistant professor
Department : Physics
Community : BC Konguvellalar
Religion : Hindu
Nationality : Indian
Mobile : 9940357870

Email ID : tvsivashankar@yahoo.co.in

ACADEMIC QUALIFICATIONS				
Degree	Specialization	College	University	Year of Passing
Ph.D	Physics	Pachaiyappas college	University of Madras	2010
M.Sc	Physics	-	Annamalai University	2003
B.sc	Physics	Sri Vasavi college	Bharathiyar University	2000
ACADEMIC IDENTITY				
*VIDWAN ID	347881			
*ORCID ID	0009-0004-9108-5210			
*SCOPUS ID	42962632400			
*RESEARCHER ID/ PUBLONS ID	OEN-9552-2025			
GOOGLE SCHOLAR LINK	https://scholar.google.com/citations?user=_NSBCu4AAAAJ&hl=en			

TEACHING EXPERIENCE	
Date of Appointment	18/06/2012
Date of Retirement	31/08/2038
Teaching Experience	UG 16 years
	PG
	M.Phil.
Research	Guided M Phil: Guided Ph D: 2 Guiding PhD Scholar: 2

COURSES/CLASSES TAUGHT	NAME OF THE INSTITUTIONS	DURATION		Years
		From	To	
BE civil Engineering & B.Tech Information	Kongu engineering college	2009	2012	3

technology				
B.Sc Physics	St. Xaviers college	2012	2026	13

AWARDS RECEIVED

1.	Best faculty award for the year 2011-12 from kongu engineering college
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ADMINISTRATIVE EXPERIENCE

S. No	DESIGNATION	INSTITUTIONS	YEAR

MEMBERSHIP

S. No	Designation	Particulars
1.		
2.		
3.		
4.		
5.		

ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE (UGC / HRDC / TLC-PMMNMT ONLY)

S. No	Name of the Training	Name of the Sponsoring Agency	Place and Date
1	Orientation Programme	UGC	Bharathidasan University, Trichy 18/5/2018 to 14/06/2018
2	Refresher course	PMMNMT	Online 17/05/2021 to 31/05/2021
3	Refresher course	PMMNMT	Online 05/07/2021 to 19/07/2021

**ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT
PROGRAMME UNDERGONE (SXC & Others)**

S. No	Name of the Training	Name of the Sponsoring Agency	Place and Date
1	Orientationprogramme forteachers	IQAC, SXC	St. Xavier'scollegeon 15 th june 2012.
2	Orientationprogramme forteachers	IQAC, SXC	St. Xavier'scollegeon 18 th & 19 th August 2012
3	NationalseminaronEnv ironmentalEducation- challenges and Practices	IQAC, SXC	St. Xavier'scollegeon 10 th & 11 th January 2013.
4	Faculty workshop oncompetencebuilding ”	IQAC, SXC	St. Xavier'scollegeon 15 th & 16 th March 2013.
5	Orientationprogramme	professional training committee and jesuithighereducationcom mission of maduraiprovince at	loyolacollegefrom 17 th – 24 th may 2013.
6	Facultydevelopment training” programme	organizedby St. Joseph'sCollege, Tiruchirappalli and jesuitHigherEducationCom mission of MaduraiProvince	St. Joseph College, Tirichirappallifrom 19/11/2013 to22/11/2013.
7	Facultydevelopment training	organizedby St. Joseph'sCollege, Tiruchirappalli and jesuitHigherEducationCom mission of MaduraiprogrammeProvin ce	St. Joseph College, Tirichirappallifrom 19/11/2013 to 22/11/2013.
8	Orientationprogramme forteachersoninnovativ eteachingstrategiesfors tudent- centerededucation”	IQAC, SXC	at St. Xavier'scollegeon 5 th july 2014.

9	Orientation programme for teachers on "Classroom Management and Teaching Skills"	IQAC, SXC	St. Xavier's college on 21 st August 2014.
10	National seminar of "Innovations in student-centered teaching-Learning process in 21 st century"	IQAC, SXC	St. Xavier's college on 29 th & 30 th January 2015.
11	Orientation programme for teachers on "Millennium Psychology of students"	IQAC, SXC	St. Xavier's college on 14 th & 15 th June 2016.
12	Orientation programme for teachers on "Psychology of Students"	IQAC, SXC	St. Xavier's college on 30 th September 2016.
13	Orientation programme for teachers on "Counselling and Mentoring"	IQAC, SXC	St. Xavier's college on 19 th & 20 th June 2017.
14	Seminar on "Assessment and Accompaniment of students"	IQAC, SXC	St. Xavier's College on 30 th March 2019.
15	One day International webinar on "Accelerating Education 4.0 using ICT Tools- Post covid paradigm"	IQAC, SXC	St. Xavier's college on 17 th June 2020.
16	One day National webinar on "Covid 19 & Care for Environment"	IQAC, SXC	St. Xavier's college on 16 th June 2020.
17	One day National webinar on "Online Education obstacles & solution"	IQAC, SXC	St. Xavier's college on 16 th July 2020.

DETAILS OF RESEARCH WORK		
Research Stages	Title of the Thesis	University where the work was carried out
Ph.D	Studies On Synthesis, Growth And Characterization Of Semiorganic Nonlinear Optical LPPAPC, LOH, SBTMH, ZGUS and GPCL Single Crystals	University of Madras

AREAS OF RESEARCH
Crystal growth, Nano materials, thin films and gas sensors

RESEARCH PROJECTS CARRIED OUT			
S. No	Title of the Project (Minor)	Name of the Funding Agency & Amount	Duration
1	Investigation on preparation, crystal growth and characterization of new guanidine based NLO crystal for various optoelectronic applications	DST Rs.13.44 lakhs	2012-15

PUBLICATIONS				
BOOKS	BOOK CHAPTERS	SCOPUS	WEB OF SCIENCE	UGC LISTED
OTHER INDEXED	AS A RESOURCE PERSON	PAPERS PRESENTED IN NATIONAL AND INTERNATIONAL SEMINARS	WEBINARS, SEMINARS, WORKSHOPS ATTENDED	

PUBLICATIONS: BOOKS ()

S. No	Title of the Book	Publication	Year

BOOK CHAPTERS ()

S. No	Title of the Paper	Name of the Book	ISSN No., Pg.No

PUBLICATIONS: SCOPUS INDEXED JOURNALS () WEB OF SCIENCE ()

S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
1	Growth and characterization of semiorganic nonlinear optical rubidium bis-dl- malato borate single crystals	Materials Chemistry and Physics	107 (2008) 57–60.
2	Growth and characterization of tetra l-lysine alanine mono hydrochloride dihydrate (TLAMHCl), a new semiorganic nonlinear optical single crystal	Materials Chemistry and Physics	Volume 109, Issue 1 , 15 May 2008, Pages 119-124.
3	Growth and characterization of new semiorganic nonlinear optical single crystal L- Phenylalanine L- Phenylalaninium perchlorate (LPPAPC)	Materials Letters,	63, 3-4, (2009) 363-365.
4	Growth and characterization of biadmixture TGS single crystals	Journal of Crystal growth,	311 (2009) 1147–1151.
5	Synthesis and growth of Sodium bitartrate monohydrate, a new organometallic nonlinear optical single crystal	Current Applied Physics	9 (2009) 1125–1128.

6	Growth and characterization of new semiorganic nonlinear optical zinc guanidinium sulfate single crystal	Journal of Crystal Growth	311 (2009) 2709–2713.
7	Growth, spectral, optical and thermal characterization of new metallorganic crystal—Bisthiourea nickel chloride	Spectrochimica Acta Part A	74 (2009) 1005–1009.
8	Studies on solution grown L-Cysteine Hydrochloride Monohydrate single crystals	International Journal of Materials Sciences,.	1 (2009) 133–142
9	Studies on Growth and Properties of L-Tyrosine Hydrochloride (LTHCL) Crystal	International Journal of Material Science,	3 (2009) 205–213.
10	Synthesis, growth, structural, optical and thermal properties of a new semiorganic nonlinear optical guanidinium perchlorate single crystal	Materials Chemistry and Physics	130 (2011) 323–326.
11	Growth and Characterization of Guanidinium Trifluoroacetate – Second Harmonic Generation from a Centrosymmetric Crystal	Journal of Minerals & Materials Characterization & Engineering,	10 (2011) 843–853
12	Structural analysis of the combustion synthesized Y^{3+} doped ceria ($Ce_{0.9}Y_{0.1}O_{1.95}$)	Surface Review and Letters,	Vol. 20, Nos. 3 & 4 (2013) 1350037.
13	Structural and spectroscopic studies of rare earths doped ceria (ELa, Sc, Yb:CeO ₂) nanopowders	Ceramics International	40 (2014) 8599–8605.
14	Growth and thermal, micro hardness and NLO studies of guanidinium L-monohydrogentartrate L-tartaric acid (GuHTT) single crystals	International Journal of ChemTech Research	6 (2014) 1796–1799.
15	Growth and characterization of a new organic NLO crystal: Guanidine acetate single crystals	Optik	126 (2015) 5873–5876
16	Study On Second Order Nonlinear Properties Of Organic Material: Guanidine Hydrogen Maleate Single Crystals	International Journal of Scientific Research and Modern Education	2016, Volume I, Issue I ISSN (Online): 2455 – 5630.

		(IJSRME)	
17	Growth and characterization of Bis(L-threonine) copper (II) monohydrate single crystals: A semiorganic second order nonlinear optical material	Optical Materials	62 (2016) 357-365.
18	Design of an efficient solution grown semiorganic NLO crystal for short wavelength generation: Bis(L-Threonine) magnesium (II) monohydrate	Materials Letters	200 (2017)109-112.
19	Third Harmonic Generation of MethylammoniumTetrachloro Zincate [MATC-Zn] Semiorganic NLO Single Crystals		Volume 3 Issue 10 (2017) ISSN 2395-1052, 137-143.
20	Growth and characterization of Guanidine benzoate (GuBzt) single crystals	International Research Journal of Engineering and Technology (IRJET),	Volume: 04 Issue: 09 (2017),ISSN: 2395-0056, 159-163.
21	Antibacterial Activities of Guanidine Family Single Crystals against Bacillus Subtilis and Staphylococcus Aerus	Journal of Chemical, Biological and Physical Sciences,	8 (2018)ISSN: 2249 – 1929, 046-050.
22	Structural, Optical and Dielectric Characterization of Guanidine Acrylate (GuAcr) NLO Single Crystals	J. Surface Sci. Technol.	Vol 34(3-4) (2018), ISSN:0976-9420, 98-103.
23	Growth of Technologically Significant bulk Crystals by Unidirectional S-R Method: A Review	International Journal of ChemTech Research	ISSN: 0974-4290, Vol.14 No.01,(2021) 229-236.
24	Enhanced speciic capacitance of Ni foam coated Ag ₂ MoO ₃ Symmetric supercapacitor synthesized by hydrothermal method	Journal of Materials Science: Materials in Electronics	Volume 35, article number 668, (2024) ISSN: 1573-482X
25	Investigations of Efficient Nonlinear optical Tetra glycine ammonium sulphate (TGAS) crystal for Optoelectronic applications	Indian journal of natural sciences	Vol 15, issue 83, 2024, issn:0976-0997

26	Efficient nonlinear optical single crystal synthesized using L-threonine with maleic acid	Journal of Materials Science: Materials in Electronics	Volume 35, article number 389, (2024)ISSN: 1573-482X
27	characterization of gamma-glycine crystals grown in aqueous solution of cerous chloride	European Chemical Bulletin	12(6):ISSN 2704 - 2719 July 2023

PUBLICATIONS: UGC LISTED JOURNALS ()

S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No

PUBLICATIONS: OTHER INDEXED JOURNALS ()

S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg.No
	Investigations on the Growth and Characterization of L-Leucine Doped Rubidium Sulfate Nonlinear Optical Single Crystal	Proceedings of the International Conference on "Emerging Materials and Its Applications	ISBN NO: 978-81-956471, (2021),299-310.

AS A RESOURCE PERSON (26)

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date

**WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP
PAPER PRESENTED: National () International ()**

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date

**WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP
ATTENDED:**

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date

COUNTRIES VISITED

EXTRA-CURRICULAR ACTIVITIES/ CO-CURRICULAR ACTIVITIES

ATTENDED(NCC/NSS/YRC/SPORTS/LITERARY AND CULTURAL ACTIVITIES)

Date: 31/8/2025

Name: Dr. V. Sivashankar