

SRI SANKARA ARTS & SCIENCE COLLEGE
ENATHUR, KANCHIPURAM
STAFF PROFILE
DEPARTMENT OF PHYSICS



1.	Name of the Staff	Dr. BALACHANDAR R K
2.	Designation	HEAD & ASSISTANT PROFESSOR
3.	Date of Joining	08.06.2016
4.	Mobile Number	9597402340
5.	E-Mail ID	<u>rkbphysics@gmail.com</u>
6.	Nationality	INDIAN
7.	Academic Qualification	M.Sc., Ph.D
8.	Field of Specialization	Nonlinear Optics and Crystal Growth
9.	Ph.D Thesis Title	SYNTHESIS, GROWTH AND CHARACTERIZATION OF SCHIFF BASE ORGANIC NONLINEAR OPTICAL SINGLE CRYSTALS BY SLOW EVAPORATION TECHNIQUE
	Awarding University, Year of Award.	VIT UNIVRSITY, NOV 2014

10. Work Experience (in chronological order):

S.No.	Name of the Institution	Designation	Period
1	Dhivya Arts & Science College, Chetpet, Thiruvannamalai District.	Assistant Professor	1-August 2014 to 31-March 2015
2	Theivanai Ammal College For Women, Villupuram	Assistant Professor	15-June 2015 to 04-April-2016
3	Sri Sankara Arts and Science College, Enathur, Kanchipuram	Assistant Professor and Head	8-June-2016 till date

11. Other Academic and Administrative Responsibilities:

S.No.	Name of the Institution/Committee	Position	Period
1	Theivanai Ammal College For Women, Villupuram	Extension Coordinator	15-June 2015 to 04-April-2016
2	Sri Sankara Arts and Science College, Enathur, Kanchipuram	Additional Director for Sruthi CRS 90.8	Jan 2018 to till date
3	Sri Sankara Arts and Science College, Enathur, Kanchipuram/Board of studies	Chairman	June 2016 to till date
4	Sri Sankara Arts and Science College, Enathur, Kanchipuram/Academic council	Member	June 2016 to till date
5	Sri Sankara Arts and Science College, Enathur, Kanchipuram/Library	Member	June 2017 to till date

12. Publications:

S.No.	Title	Journal	Pages
1	Crystal growth and characterization of an organic nonlinear optical single crystal: 2, 3-Dimethyl-N-[4-(Nitro) benzylidene] aniline	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	126, 324-328
2	Synthesis, crystal growth and spectroscopic investigation of second order organic nonlinear optical single crystal: 2-Chloro-N-[4-(dimethylamino) benzylidene] aniline	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	116, 143-147.

3	4-Fluoro-N-[(E)-3, 4, 5-trimethoxybenzylidene] aniline	Acta Crystallographica Section E: Structure Reports Online	69(8), o1234-o1234.
4	N-[4-(Dimethylamino) benzylidene]-4-methylaniline	Acta Crystallographica Section E: Structure Reports Online	69(6), o905-o905
5	(E)-4-[2-(4-Ethoxyphenyl) ethenyl]-1-methylpyridinium naphthalene-2-sulfonate	Acta Crystallographica Section E: Structure Reports Online	69(5), o722-o722.
6	Synthesis, growth, frontier molecular orbitals, fracture mechanics and non linear optical studies of L-serine methyl ester hydrochloride single crystal	Journal of Optics	Volume 47, 2018, Issue 3, 374-379

13. Awards / Distinction :

S.No.	Name of the Award	Venue	Period
1	Best paper - Oral category award	NSCG – XVII	2013
2	Research Awards	VIT University	2013
3	Management Award- Coordinator of Service Clubs	TACW, Villupuram	2016

14. Membership in Professional Bodies:

S.No.	Name of the Membership	Venue	Period
1	Indian Association of Crystal Growth	CHENNAI	Life member

15. Seminars Conferences organized /Participation:

S.No.	Program Attended	Place	Organized/ Participated	Period
1	Presented a paper on Growth and characterization of manganese acetate doped KDP single crystals in the National	Voorhees College, Vellore – 632 001.	Participated	March 5-7,2009

	Seminar on recent advancements in Materials and Energy			
2	Presented a paper on Growth and characterization of pure and urea doped glycine phosphite single crystals, S. Supriya, R.K. Balachandar and S.Kalainathan in the Conference on Crystal growth technology	Anna University, Chennai,	Participated	October 18-19, 2010
3	The effect of NaOH on glycine phosphite single crystals grown by SR method, S. Supriya, R.K. Balachandar and S. Kalainathan XV National Conference on Crystal growth	PSNCET Tirunelveli	Participated	23-25 February 2011,
4	Growth and characterization of Bisthiourea manganese sulfate- R. K. Balachandar and S. Kalainathan in the XVI National Seminar on Crystal Growth	Department of Physics, Aditanar College of Arts and Science, Tiruchendur	Participated	19-21 st Jan 2012
5	Synthesis growth and characterization of 2CL4DBA single crystal, R. K. Balachandar, K. Senthil, S. Kalainathan, XVII National seminar on Crystal Growth	Anna University, Chennai	Participated	09 th -11 th Jan 2013
6	Synthesis and crystal growth, structural studies of the organic NLO Material, R.K. Balachandar and S. Kalainathan in the One day national workshop on "Advanced materials characterization techniques".	Department of physics, Sri Venkateswara university, Tirupati.	Participated	23 rd March 2013
7	Crystal Growth and characterization of an Organic NLO Single Crystal: 2,3-DNBA, R.K. BalaChandar and S. Kalainathan, XVIII National Seminar on crystal Growth.	SSN College of Engineering, Chennai-603110	Participated	February 24-26, 2014.
8	National conference on "Towards Achieving Excellence In Higher Education"	Sri Sankara Arts and Science College (Autonomous), Kanchipuram – 631 561	Organized	15 th December, 2017
9	Abstract and oral presentation by our Group in the National seminar on 'Crystal Growth and Applications' 2017 held at	National college (Autonomous), Tiruchirappalli.	Participated	March 6 -8, 2017

10	Abstract and oral presentation by our Group in the National Conference on 'Recent Trends in Physics of Materials' 2018 held at on	Pachaiyappa's College, Chennai	Participated	February 9-10, 2018.
11	National Seminar on recent advanced materials and applications (RAMA-19),	Organized by Department of Physics, Theivanai Ammal College for Women, Villupuram.	Participated	06 Feb.2019.

16. Participated as Resource Person: NIL

S.No.	Program	Venue	Period

17. Workshop & Training Programmes:

S.No.	Programe	Venue	Period
1	National Programme on Technology Enhanced Learning (NPTEL) Workshop on special and select topics in Classical Mechanics, Atomic Physics & Theory of Atomic Collisions & Spectroscopy	IIT Madras	27-APR-2015

2	Faculty Development Workshop on “ Digital Learning Resources”	Sri Sankara Arts and Science College (Autonomous), Kanchipuram – 631 561.	2nd February 2018
3	Refresher course on Quantum Mechanics.	VIT University Chennai, Supported by IAS - Bangalore, INSA – New Delhi, NAS – Allahabad.	12-26 May -2018
4	Science Academies 98th Refresher course in Experimental Physics	Central University of Karnataka, KALABURAGI 585311, Supported by IAS - Bangalore, INSA – New Delhi, NAS – Allahabad.	1-16 June – 2018
5	Workshop on “The art of writing winnable project proposals”	Sri Sankara arts and science college, Enathur, Kanchipuram – 631 561.	12.07.2019

18. Projects Completed: NIL

S.No.	Name of the Projects	Period	Grant Received/Status

19. Any other Details: NIL