



Raja Doraisingam Government Arts College

(Affiliated to Alagappa University, Karaikudi)

Sivagangai - 630561



FACULTY PROFILE

1. Name : Dr. V. NAGARAJAN
2. Father's Name : Mr. P. VAIRAKANI
3. Designation : Guest Lecturer
4. Age & Date of Birth : 33 & 08-04-1989
5. Gender : Male
6. Address for Communication : 2/97, Pillayar Koil Street,
Near Mandhai Thidal,
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9. Educational Qualification : M.Sc., M.Phil., Ph.D.



S.No.	Course	University/College	Year of Passing
1.	B.Sc. (Physics)	NMSSVN College, Madurai	2009
2	M.Sc. (Physics)	NMSSVN College, Madurai	2011
3	M.Phil. (Physics)	Madurai Kamaraj University	2012
4	Ph.D. (Physics)	Madurai Kamaraj University	2019

10. Area of Specialization : Crystal Physics & Material Science

11. Experience :

S. NO	Name of Organisation	Period		Year of Experience
		From	To	
1	C.P.A. College, Bodinayakanur	1-11-2021	31-07-2022	9 Months
2	NMSSVN College, Madurai	17-06-2019	08-05-2021	2 Years
3	MKU College, Madurai	23-07-2018	12-06-2018	1 Year
4	Research Assistant in OxySynth India Pvt. Ltd., Madura	Aug 2012	July 2014	2 years

12. Publications:

S.No.	Title	Name of the Journal	ISSN / ISBN	Year
1	Role of Sm ³⁺ dopant in the formation of La _(1-x) Sm _x CrO ₃ solid state nanoperovskites – Correlation of its augmented physical properties	Materials Chemistry and Physics	248- 122922.	2020
2	Water dynamics in competitive solvation Assisted Loading of Colloidal Nanoparticles onto Mesoporous Silica Nanostructures	Particle Particle system Characterization	2200062	2022
3	Remarkable enhancement on optical properties of alkali metals doped anthracene crystals	Crystal Research and Technology	Vol. 53, pp. 1-7.	2018
4	Investigations onto the role of transition metal oxide dopants in anthracene crystals	Materials Research Express	Vol. 4, pp. 125102.	2018
5	Remarkable enhancement of La _(1-x) Sm _x CrO ₃ nanoperovskite properties: An influence of its doping concentrations	Materials Research Bulletin	Vol. 95, pp. 17–22.	2017

6	Investigations on the effect of nano Fe ₃ O ₄ doped anthracene single crystal	Mater. Research Innovation	Vol. 22, Iss. 1, pp.1-9.	2017
7	Investigations on the growth, optical, mechanical, thermal and nonlinear behaviour of transition metals doped anthracene crystals	Mater. Research Innovation	DOI: 10.1080/14328917.2017. 1337607	2017
8	Effect of ZnO and co-doped ZnO additive in the growth, structural, optical and mechanical properties of glycine single crystals	International Journal of Advance Engineering and Research Development	Vol. 5, Iss. 07	2018
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10				

13. Paper Presented in Conferences/ Seminar:

S.No.	Title	Institution	Date & Year
1	Effect of halides co-doped on anthracene single crystals: Synthesis, growth, and optical properties	ICMPA-2016, VIT University, Vellore	Dec- 14-16, 2016
2	Synthesis, growth, linear and nonlinear optical properties of Fe ₃ O ₄ -anthracene single crystals	ICNMR-2016, St. Joseph's College of arts and science, Cuddalore	Dec- 8-9, 2016.
3	Study of rare earth doped anthracene crystals	NCAMA - 2017, SFR college, Sivakasi	July 6&7, 2017
4	Effect of ZnO additive in the Growth, optical and mechanical properties of Glycine single crystals,	International conference on Materials and Technology-Synthesis, Processing and Applications, (ICMAT-SPA 2018), S.R.N.M.College, Sattur	Feb- 14-16, 2018.
5	Solid state synthesis of rare earth orthochromite La(1-x)Sm _x CrO ₃ nanoperovskite with its dopant concentrations	Proceedings of 29th Annual general meeting of MRSI and National symposium on advances in functional and exotic materials conducted by CHPR, Bharathidasan University, Trichy	Feb 4-6, 2018.
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14. Seminar / Conference / workshop / Attended:

S.No.	Institution	Date & Year
1	Two day Workshop on Mobile Phone Servicing & Trouble shooting , NMSSVN college, Madurai	27 & 28 Jan, 2020
2	Three day International E-Conference, ETADS, School of Chemistry, Madurai Kamaraj University, Madurai	20-22 Jan 2022
3	National conference on Design and applications of Emerging Materials , NMSSVN college, Madurai	19 th Feb2020
4	Faculty Development program on Competent Teachers for millennial Learners organized by IQAC, NMSSVN college, Madurai	29th Feb2020.
5	Workshop on Outcome Based Education(OBE) organized by IQAC, NMSSVN college, Madurai	3rd Jan2020.
6	National seminar on Recent trends in Physics at N.M.S.S.Vellaichamy College, Madurai	27th March2017.
7	National level workshop on Computational Physics using Gaussian under UGC Autonomy Grant at N.M.S. S. Vellaichamy Nadar College, Madurai	13th February 2015

15. Ph.D Guidance/Supervisorship:

16. Seminar/ Conference/ Workshop Organised:

S.No.	Topic	Institution	Date
1	Co – convener of a hands on Workshop on “Mobile Phone Servicing and troubleshooting conducted by New technology and training institute , Coimbotore”	N.M.S.S.V.N. College, Madurai	27 th Jan 2020 to 28 th Jan 2020
2	Organizing Member of a One day Workshop on Teacher Development Programme “Collective Efficacy of Teacher during Pandemic”	C.P.A. college, Bodi.	

17. Resource Person:

Sl.No.	Topic	Delivered at	Period
1	Physics in our Daily Life	YSSP Program , C.P.A. College, Bodinayakanur	18.05.22 to 01.06.22
2	Recent Technique in Organometallic Crystal Growth for NLO applications	RIBS & RIPS - 2022, Syed Ammal arts and Science collge, Ramnad	23-03-22 to 12-04-22
3			

18. Members in Organization's :

19. Other Positions/Achievements:

❖ Madurai Kamaraj University Second rank holder for B.Sc., Physics programme at
2006-2009

(Signature)