

Faculty Profile

1. **Name:** Dr. K Padma Prasad,
 2. **Qualification:** M.Sc; NET, Ph.D

Programme	Specialization	Institution/University
M.Sc Physics	-	Madurai Kamaraj University Tamilnadu
Ph. D	Physics – Materials Science	University of Madras Tamilnadu

3. **Designation:** Assistant Professor
 4. **Experience:** 10 Years
 5. **Email:** kppsix@gmail.com

Articles in Journals

S.No	Title	Name of Journal	Date of Publication	Volume No/Issue No/Page No
1	Investigation on the Effect of Charge Carriers in Chemical Shift Anisotropy of Si Single Crystal	IOP Conf. Series: Materials Science and Engineering	February 11, 2021	1128 (2021) 012024
2	Microstructural and Electrical Properties of Nanocrystalline Relaxor Ferroelectric PMN-PT	Proceedings of International Workshop on Advanced Functional Materials and Devices (IWAFMD – 2017) MSU	January 12, 2017	Proceedings
3	PAC Content Enrichment Physics for the Higher Secondary School Teachers of Andhra Pradesh, Telangana and Kerala	National Council for Education and Research in Teaching (NCERT), Regional Institute (RIE) Mysore	January 6, 2017	NCERT, PAC Report
4	Science Park Development and setting up the instrumentation for sun dial, Pulley and See-Saw	National Council for Education and Research in Teaching (NCERT), Regional Institute (RIE) Mysore	December 4, 2016	NCERT, PAC Report
5	<i>Optical and Electrical Properties of Mechanochemically Synthesized Nanocrystalline Delafossite CuAlO₂</i>	Journal of Nanoscience and Nanotechnology	2008	Vol. 8, 4273
6	<i>Dielectric Relaxation Studies of Nanocrystalline CuAlO₂ Using Modulus Formalism</i>	Journal of Applied Physics	2007	Vol. 102, 104104
7	<i>Recent study on Nanomaterials Prepared by Inert Gas condensation Using Ultra High Vacuum Chamber</i>	Pramana – Journal of Physics	2005	Vol.65(5) 881

8	<i>Dielectric Properties of 0.9 PMN-0.1PT Ferroelectric Relaxor</i>	Proceedings of 50 DAE Solid State Physics Symposium	2005	Vol. 50, 739
9	<i>Dielectric relaxation studies in nanocrystalline La₂O₃-ZrO₂ using modulus formalism</i>	Proceedings of 50 DAE Solid State Physics Symposium	2005	Vol. 50, 737

Seminars/Conferences/Symposium/Workshops

S. No	Name of the Conference /Seminar /Symposium/ Workshop	Type of Program	Title of the Article	Role	Venue/Place	Date
1	International Workshop on Advanced Functional Materials and Devices (IWAFMD – 2017)	Internal	Microstrutural and Electrical Properties of Nanocrystalline Relaxor Ferroelectric PMN-PT	Paper presentation	Department of Physics and Chemistry, Manonmaniam Sundaranar University, Tirunelveli, Tamilnadu.	January 8-12, 2017
2	Demonstration of Fascinating experiments in Science jointly sponsored by Bhramara Trust of Y T and Madhuri Thathachari Mysuru and Chaitanya Trust , Bangalore	State Level	Participation	Participation	Department of Physics (UG & PG), JSS College BN Road Mysuru	25 th August 2016
3	State Level Science Exhibition “Science and Village”	State Level	Participation	Participation	JSS College of Arts, Commerce and Science B N Road, Mysuru supported by KST promotion Society, Bengaluru	20-22, August, 2016
4	Special lectures on Relativistic Quantum Mechanics	State Level	Participation	Participation	Department of Physics (UG & PG), JSS College BN Road Mysuru	28-30, April 2016

5	Setting up and Instrumentation 1.Sun Dial, 2. Pulley, 3. See-Saw for Science Park Development, RIE Mysore	Natoal Level	Report of the program submitted to NCERT, New Delhi	Resour ce Person	RIE Mysore, Mysore	Decemb er 3 & 4, 2016
6	PAC Content EnrichmentPhysics for the Higher Secondary School and Conducted for the Teachers of Andhra Pradesh, Telangana and Kerala,	State Level	Report of the program submitted to NCERT, New Delhi	Resour ce Person	RIE Mysore, Mysore	Novemb er 24-26 anJanuary 2, 2016
7	UGC Sponsored Two day National Conference on Application of Modern Analytical Techniques to Fundamental Chemistry	National	Effect of B-site Cation on Structural and Electrical Properties of Nanocrystalline ABO ₃ Perovskites	Oral Present ation	PG Department of Chemsitry, JSS College of Arts, Commerce and Science	March 9 & 10, 2016
8	UGC sponsored "Two day National Seminar on Materials Science and Engineering"	National	<i>Synthesis and Investigation of Nanocrystalline SnO₂s</i>	Oral presen tation	PG and UG Department of Physics, JSS College, Ooty Road, Mysore	on 21 & 22 March 2014

Ph.D Thesis

Title	Guide Name	Institution
Synthesis and Investigation of Nanocrystalline Ferroelectric Ceramics	Prof .Dr. S. Ramasamy	Department of Nuclear Phys of Madras Guindy Campus

Membership

1. Board of Studies (BoS) Member of PG Department of Physics, JSS College, Ooty Road, Mysore
2. Board of Studies (BoS) Member of Regional Institute of Education (RIE) Mysore (NCERT)
3. Life member of Indian Association of Physics Teachers (IAPT)
4. Life Member of Nuclear Magnetic Resonance Society (NMRS), India