

Name : K.MOORTHY
Designation : Lecturer
Department : Physics (SF)
Date of Joining : 25/08/2005
Email : agniname@gmail.com



Educational Qualification:

Degree	Subject	College / University & Place	Year Completed
B.Sc	Physics	The American College, Madurai	1996
M.Sc	Physics	The American College, Madurai	1999
M.Phil	Physics	The Bharadhidasan University	2008
Ph.D	Physics	Madurai Kamaraj University	Pursuing

Specialization in Teaching: Optics and Electronics

Specialization in Research: Solid state Physics

Research Interests: Thin Film & Crystal Growth and Instrumentation

Other Work Experience:

Designation	Institution / Company	Year - From (month/year) To (month/year)
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Administrative /Academic Position/s (held / currently holding):

Positions held / currently holding	Year - From (month/year) To (month/year)
Project Associate in SLP –Solid Waste Management	July 2019 to till date
One of the Conveners in the College Science Exhibition.	August, 2014 and September 2019
Convener for SF in PHOBOS	March, 2018

Membership in Professional Bodies:

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Publications:

Articles Published in International Journals:

- 1) K.Moorthy,S.S.R.Inbanathan and G.Balasubramanian,Measurement and Demonstration of Thermal Expansion Coefficient, The Physics Teacher, Vol 45, no 25, December 2007
- 2) K. Moorthy, S. S. R. Inbanathan , C. Gopinathan , N. P. Lalla , Rajesh Kumar , and Ahmad Umar, Ni-Doped ZnO Thin Films: Deposition, Characterization and Photocatalytic Applications, Journal of Nanoscience and Nanotechnology, Vol. 20, 1–10, 2020, Impact factor 1.8

Conference / Seminar Presentations:

Name of the Seminar/Conference/Symposia/Workshop etc.,	Name of the sponsoring Agency	Title of the paper	Institution, Place and Date
Second National Symposium on Nonlinear Crystal Optical Crystals and Modelling in Crystal Growth	Association for Crystal Growth	Crystal growth and Characterization of a new semi organic non linear optical crystal Glycine Potassium Cholride(GPC)	SSN College,Chennai March 26,27,2007.
Second National Symposium on Nonlinear Crystal Optical Crystals and Modelling in Crystal Growth	Association for Crystal Growth	Crystal growth and Characterization of a new semi organic non linear optical crystal Glycine Barium Cholride(GBC),	SSN College,Chennai March 26,27,2007.
Second National Symposium on Nonlinear Crystal Optical Crystals and Modelling in Crystal Growth	Association for Crystal Growth	Crystal growth and Characterization of a new single crystal Glycine Ammonium Dihydrogen Phosphate Sodium Cholride(GBC)	SSN College,Chennai March 26,27,2007.
Second National Symposium on Nonlinear Crystal Optical Crystals and Modelling in Crystal Growth	Association for Crystal Growth	Growth and Characterization of Potassium Iodide doped with Thiourea single crystal: a new semi organic non-linear optical material	SSN College,Chennai March 26,27,2007.
Second National Symposium on Nonlinear Crystal Optical Crystals and	Association for Crystal Growth	Growth and Characterization of Potassium Chloride doped with Thiourea single crystal and its characterization: a new	SSN College,Chennai March 26,27,2007.

Modelling in Crystal Growth		semi organic non-linear optical material	
Second National Symposium on Nonlinear Crystal Optical Crystals and Modelling in Crystal Growth	Association for Crystal Growth	Growth and Characterization of Glycine Strontium Chloride: a new semi organic non-linear optical material	SSN College, Chennai March 26,27,2007.
Second National Symposium on Nonlinear Crystal Optical Crystals and Modelling in Crystal Growth	Association for Crystal Growth	Growth and Characterization of Potassium Bromide doped with Thiourea single crystal: a new semi organic non-linear optical material	SSN College, Chennai March 26,27,2007.
13th National conference on Crystal growth	Association for Crystal Growth	Growth and Characterization of Gama glycine NLO crystals,	SSN College, Madras 2009
International Conference on Recent Trends in Crystal Growth and Nano Materials	Association for Crystal Growth	Growth and Characterization of nonlinear optical Glycine single crystals with Malic acid	Tiruchirappalli, (March 2013)
XXI National Seminar on Crystal Growth and Applications	Association for Crystal Growth	Structural and Optical properties of Triglycine Sulphate doped with Bismuth Nitrate (Awarded for best Poster)	National College, Tiruchirappali 6-8 March 2017
International Conference ICONN 2019	Shizuoka University, Japan, National Chiao University, Taiwan, CSIR, AND DST – SERB, India.	“Effect of Ni doped ZNO thin film prepared by Spary pyralysis for the dye degradation under UV Light”	SRM University, Chennai, January 28 – 30, 2019
International Conference on Recent Advances in Material Science	NSERB, India, BRNS, Mumbai, TNSCST, Chennai, TANSCHHE.	"Structural and Optical Properties of Ni doped ZnO prepared by Spary Pyralysis”	National College, Trichy, 4 – 6 of February 2019
National Conference on ‘Recent advanced Materials’ (NCRAM 2018)	NS, Mumbai and TNSCST, Chennai.	“Effect of Ni doped ZNO thin film prepared by Spary pyralysis for the photocatlytic Activity under UV and Visible Light”	Thiruvalluvar University College of Arts and Science, Vandavasi, 23-24 February, 2018.
22 nd National Seminar on Crystal Growth and Application	Association for Crystal Growth, BRNS and NSERB	”Enhanced Ferroelectirc Behavior in Triglycine Sulfate single crystal with the doping of Ferrous sulphate	Sacred Heart College, Tirupattur, 29-31 January 2018
International Conference on Advanced Material and their Applications	BRNS	Improved Photocatalytic activity of Co doped ZnO thin film prepared by Spray Pyralysis	V.O. Chidambaram College, Thoothukudi 13 December 2019

National Conference on Emerging Trends in Materials-2017	Mary Matha College of Arts and Science, Periyakulam.	Structural and optical properties of Triglycine sulphate single crystals doped with Bisthurea cadmium Acetate	Mary Matha College of Arts and Science, Periyakulam, 6th of March 2017
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Lectures / Talks given:

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Awards / Fellowships:

College	Name of the award/fellowship	Year

Research activity of the student under guideship

Title	M.Phil/ M.Sc/ B.Sc	Please tick if it is collaborative

Doctoral Students

Completed:

Name of the student	Title of the thesis
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Ongoing:

Name of the student	Title of the thesis
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UGC Sponsored Major Projects:

Title	Year of Award	Amount Awarded	Status of the project- Completed/ Ongoing	Co-investigator, if any
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UGC Sponsored Minor Project

Title	Year of Award	Amount Awarded	Status of the project- Completed/ Ongoing	Co-investigator, if any
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Overseas Academic Visits:

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Other Activities / Academic Credentials:

- Served and serving as an academic advisor for M.Sc., and B.Sc., students of Physics department.
- Served as a staff incharge for Intra departmental Cricket match, 2018- 2020.
- Served as a member in decoration committee, hall arrangement committee and Certificate committee in department and in college celebration programmes.