



PROFILE

Name: Dr. R. THOMAS			
Department	PHYSICS		
Designation	ASSISTANT PROFESSOR		
Email	thomasroy82@gmail.com		
Teaching Experience	UG: 8 Years & 4 Months	PG: 8 Years & 4 Months	

Recognised Educational Qualifications

S.No.	QUALIFICATION	INSTITUTION	BOARD/ UNIVERSITY	YEAR OF PASSING
1	Ph.D	N.M.S.S.Vellaichamy Nadar College	Madurai Kamaraj University	Sep-2020
2	M.Phil	Bharathidasan University	Bharathidasan University	December 2007
3	B.Ed	Government College of Education	Thiruvalluvar University	April 2006
4	M.Sc	N.M.S.S.Vellaichamy Nadar College	Madurai Kamaraj University	April 2005
5	B.Sc	Arul Anandar College	Madurai Kamaraj University	April 2000

Work Experience

S.No	Name of the Institution/Organisation	Designation	Nature of Work	Period	AOI (Any Other Information)
1	Montfort Matric Hr. Sec. School, Kolathur, Salem.	PG Assistant in Physics	Teaching Faculty	June 2007 to January 2011	3.6 Years
2	Professional Group of Institutions, Palladam.	Assistant Professor	Teaching Faculty	January 2011 to January 2012	1 Year
3	Arul Anandar College, Karumathur	Assistant Professor	Teaching Faculty	June 2012 to till date	8 Years & 4 Months

Publications (Contributions in Journals/Edited Books/Proceedings)

Title of the Paper	Name of the Journal/Book/Proceedings	Whether Journal/Book/Proceedings	Volume and No	Page Nos	ISSN/IS BN No	Publisher and Place
Studies on SILAR deposited Cu ₂ O and ZnO films for solar cell applications	J Mater Sci: Mater Electron	Journal	26 (2015)	5030–5036	-	Springer
Analysis of Pr co-doped Al:ZnO thin films using feasible nebulizer spray technique for optoelectronic technology	Applied Physics A	Journal	125 (2019)	712	-	Springer
An effect of lanthanum doping on physical characteristics of FTO thin films coated by nebulizer spray pyrolysis technique	Optical Materials	Journal	99 (2020)	109518	-	Elsevier
Tailoring the properties of nebulizer spray pyrolysis coated FTO thin films through rare earth element terbium for optoelectronic applications	Physica B: Physics of Condensed Matter	Journal	580 (2020)	411916	-	Elsevier
Influence of yttrium doping microstructural and optical properties of FTO thin films prepared by nebulizer spray technique	Materials Today Communications	Journal	24 (2020)	101087	-	Elsevier
Investigation of erbium co-doping on fluorine	Optics and Quantum	Journal	52 (2020)	248	-	Springer

doped tin oxide via nebulizer spray pyrolysis for optoelectronic applications	Electronics					
Opto-electronic properties of cerium doped FTO thin films prepared using Nebulizer spray technique for TCO application	Optik		213 (2020)	164769	-	Elsevier

Papers presented in Seminars/Conferences/Workshop

Title of the Paper	Title of the Seminar/conference/Workshop	Level of Seminar/Conference/Workshop	Organizing Institution	Date
Synthesis and characterization of PANI/ZnO nanocomposites doped with pTSA	NSLECM-2017	National Conference	Arul Anandar College, Karumathur	8 th &9 th February-2017
Effect of catalyst/sulfonating agent Para- toluene sulfonic acid on PANI/ZnO composite films for high performance capacitor	NCRAMS-2017	National Conference	Government Arts College, Tiruvanamalai	25 th & 26 th July 2017
Structural, functional and optical properties of Para- toluene sulfonic acid doped PANI/Cuo thin film by spray pyrolysis technique	NCEM-2018	National Conference	Manonmaniam Sundaranar University, Tirunelveli	28 th &29 th June 2018
Preparation and characterization of PANI/ CuO thin film by nebulizer spray pyrolysis technique	NSMSA- 2018	National Seminar	Mother Teresa Women's University, Kodaikannal	30 th July 2018
Structural and optical characteristics on SILAR deposited polyaniline and polyaniline/copper oxide thin films	ICRTAST-2018	International Conference	Periyar University, Salem	23 rd - 25 th August 2018
Investigating the effect of para-toluene sulfonic acid on PANI/ZnO composite films	RTAM-2019	National Conference	PGP College of Arts and Science, Namakkal	23 rd January 2019
Investigation on undoped and yttrium doped FTO thin films for optoelectronic applications	RAIN- 2019	National Conference	A. Veeraiya Vandaiyar memorial sri Puspam College, Thanjavur	16 th and 17 th August 2019
Investigation on Structural, Optical and Electrical properties of La doped FTO thin film	EFC-19	International Conference	Arul Anandar College, Karumathur	13 th September 2019
Investigation on Structural, Optical and Electrical characteristics of	National Conference on	National Conference	Loyola College,	9 th January 2020

Cerium doped FTO thin films	Material Science		Chennai	
Detailed investigations of Er rare earth element doped FTO thin films coated by nebulizer spray pyrolysis for optoelectronic technology	ICAM 2020	International conference	Arul Anandar College, Karumathur	11 th & 12 th February 2020

Seminars/conferences/Workshops Attended

Title of the Seminar/conference/Workshop	Level of Seminar/Conference/Workshop	Organising Institution	Date and Place
State Level Seminar on Communication – the world scenario	State Level Seminar	Arul Anandar College	22 nd March 2001, Karumathur
Thrust Areas in Material Science	State Level Seminar	Lady Dock College	15 th - 17 th July 2004, Madurai
Recent Trends in Optical Spectroscopy	State Level Seminar	N.M.S.S.V.N College	10 th March 2005, Nagamalai, Madurai
Research Avenues in Physics	State Level Seminar	Arul Anandar College	18 th February 2013, Karumathur
Non-conventional and Renewable Energy Resources	State Level Seminar	Arul Anandar College	27 th & 28 th November 2013, Karumathur
Academic Audit and Quality Enhancement in HEIs	National Conference	Arul Anandar College	22 nd & 23 rd March 2016, Karumathur
Science Academies' Lecture Workshop, Introduction to Theoretical Physics	National Workshop	Government Arts College	4 th & 5 th August 2016, Melur
National Conference on Advances and Space Technology	National Conference	Arul Anandar College	29 th January 2018, Karumathur
Advanced Materials for Sustainable Development	International Webinar	Kalasalingam Academy of Research and Education	2 nd & 3 rd July 2020, Krishnankoil
ACS Science Talk on Engineering Charge Transit in Optically Sensitive Two-dimensional Materials	International Webinar	Satyabhama Institute of Science and Technology	2 nd & 3 rd July 2020, Chennai
Future Generation Solar Cell	International Webinar	Nehru Institute of Technology	4 th July 2020, Coimbatore
Frontiers in Chemical Sciences	International Webinar	National Institute of Technology	6 th – 10 th July 2020, Rourkela, Odisha
Use of Lanthanide Ions as Photoluminescence (Structural) Probes	International Webinar	Saveetha Engineering College	6 th July 2020, Chennai
Nanoscale Nonlinear Optics- An Exciting Glimpse	International Webinar	Vellore Institute of Technology	7 th July 2020, Chennai
Advance in the synthesis of Biopolymer-Ceramic	International Webinar	Saveetha Engineering College	10 th July 2020, Chennai

Composites for Biological Applications			
Advance Nanostructured Metal Oxide Thin films for Sensor Technology	International Webinar	Saveetha Engineering College	16 th July 2020, Chennai
Advance Infrared Spectroscopy of Transient Chemical Species in Helium Nanodroplets	International Webinar	Sacred Heart College	17 th July 2020, Tirupattur
The Progress in Nanocomposites for Environmental and Device Applications	International Webinar	Arul Anandar College	5 th August 2020, Karumathur
Quantum Materials and Nanoparticles for Advanced Applications	International Webinar	Kamaraj College	6 th August 2020, Thoothukudi

Achievements & Awards

Two Best Research Paper Award

1. Effect of catalyst/sulfonating agent Para- toluene sulfonic acid on PANI/ZnO composite films for high performance capacitor, National Conference on Recent Advancements in Materials Science (NCRAMS-2017), 25th & 26th July 2017, Government Arts College, Tiruvanamalai, Tamil Nadu, India.
2. Investigation on Structural, Optical and Electrical properties of La doped FTO thin film, International Conference on Expanding Frontiers in Chemistry (EFC-19), 13th September 2019, Arul Anandar College, Karumathur, Tamil Nadu, India.