



DR. S. JOTHI

Designation : Assistant Professor
Department : Physics
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Languages Proficiency

Read : English & Tamil
Write : English & Tamil
Speak : English & Tamil

1. QUALIFICATION

S. No.	Degree / Diploma / Certificate	Discipline	Name of the Institution	Year of Passing
1.	UG	Physics	VVV College, Madurai Kamaraj University	2006
2.	PG	physics	VHNSN College, Madurai Kamaraj University	2008
3.	M.Phil.	Physics	VHNSN College, Madurai Kamaraj University	2009
4.	Ph.D.	Physics	VHNSN College, Madurai Kamaraj University	2020
5.	Diploma	PC Professional	CSC	2003
6.	Certificate	Hardware and Networking	CED, Tamil Nadu	2005
7.	B.Ed.	Physical science	TNTEU	2020
8.	GATE	Physical science	National Coordination Board	2023
9.	BEC VANTAGE	Business English	Part of Cambridge University	2016

2. TEACHING EXPERIENCE / OTHER EXPERIENCE

S. No.	Institution / Organization	From - To
1.	Assistant Professor (Full Time) at Kamaraj College of Engineering & Technology, Virudhunagar	July 2009 - May 2018
2.	Trainer Physics (Part Time) for IIT, IIIT, NIT courses at T.I.M.E Institute, Virudhunagar	June 2012 - May 2015

3. ACHIEVEMENTS

S. No.	Name of the Award	Award Received for	Sponsors / Source	Date
1.	INSPIRE fellowship	University First Rank in M. Sc	Department of Science & Technology (DST), New Delhi	2012
2.	University First Rank	proficiency in M. Sc physics	Madurai Kamaraj University	2008
3.	Gold Medal	proficiency in Ph. D	VHNSN college	2020
4.	Gold Medal	College first Rank in M. Sc	VHNSN college	Apr. 2008
5.	Maveeran Sundaralingam Merit Scholarship Award	Proficiency in M.Sc. Physics	Madurai Kamaraj University	Nov. 2008
6.	Maveeran Sundaralingam Merit Scholarship Award	Proficiency in M.Sc. Physics	Madurai Kamaraj University	Apr. 2008
7.	Maveeran Sundaralingam Merit Scholarship Award	Proficiency in M.Sc. Physics	Madurai Kamaraj University	Apr. 2007
8.	Book Award	Academic Excellence	VHNSN college	2007
9.	ELITE Topper Grade	physics of materials	NPTEL, IIT Madras	Nov. 2016
10.	College Second Rank	Anci Maths	VVV college	2006
11.	First Position	Quiz Competition	Sermathai Vasan College for Women	2005
12.	State Level Winner and Meritorious Winner	VACS	Kanyakumari	2004

4. MEMBERSHIP IN PROFESSIONAL / OTHER BODIES / COMMITTEES

S. No.	Name of the Position	Name of the Institution	Duration
1.	Resource Person In FDP	KCET	-
2.	Judge For Science Feast	KVS School	2010
3.	Judge For Science Feast	RJ Mantra School	2013
4.	Exam Cell Co-Ordinator	KCET	2016
5.	Annual Day Co-Ordinator	KCET	2011
6.	Examiner	MEPCO Engineering College	-
7.	Practical Examiner	Aaa Engineering College Srividya College Of Engineering & Technolgy Psr Engineering College Mahakavi Bharathiyar College Of Engineering	
8.	Life Member	ISTE	2010
9.	Member	Journal International Association of Engineers	-

5. AREAS OF SPECIALIZATION

❖ THIN FILMS,

❖ NANO SCIENCE

❖ SOLAR CELLS

6. FELLOWSHIP RECEIVED

Senior Research Fellowship	Project Funded by DST, New Delhi	2014
Junior Research Fellowship	Project Funded by DST, New Delhi	2012

7. ORIENTATION/REFRESHER/TRAINING PROGRAMMES/FDP ATTENDED

S. No.	Programme	Theme	Organized by	Date
1.	Faculty Development Programme	Staff Induction Programme	IQAC, Fatima College	June 09 -14, 2025
2.	Faculty Development Programme	Basic Electrical, Electronics & Measurement Engineering	EIE Dept, KCET	Dec. 20 - 22, 2017
3.	Faculty Development Programme	Research Methodologies & LaTeX	Kalasalingam Institute of Technology, Krishnankovil	Dec. 15 - 17, 2016

8. PAPER PRESENTED ON NATIONAL/INTERNATIONAL SEMINARS, WORKSHOPS, CONFERENCES & SYMPOSIUMS

S. No.	Programme & Theme	Organized by	Date	Title of the Paper
1.	International Conference on Advanced Topics in Interdisciplinary Research in Chemistry and Physics	Sri S. Ramasamy Naidu Memorial College, Sattur	Mar. 12 & 13, 2019	Impact of precursors aging time on the optical and structural properties of sol-gel derived Zirconia Thin Films
2.	National Conference on Renewable Energy for Green Future	Pope's College, Sawyerpuram, Thoothukudi	Jan. 29 & 30, 2015	Synthesis of Zirconium Oxide Antireflective coating by Sol Gel Processing on Glass Substrate
3.	National Conference on Materials for Energy storage and Conversion (MESCon 2014)	PSN College of Engineering & Technology, Tirunelveli	Sep. 04 & 05, 2014	Optical Parameter Determination of ZrO ₂ Thin Films Prepared by Sol - Gel Dip Coating
4.	International Colloquium on Materials, Manufacturing and Metrology (ICMMM 2014)	IIT Madras	Aug. 08 & 09, 2014	Optical Properties of Zirconium Oxide Thin Films Prepared by Sol - Gel Method
5.	International Conference on Materials and Characterization Techniques (ICMCT 2014)	VIT University, Vellore	Mar. 10 - 12, 2014	Characterization of Zirconium Oxide Thin Films Prepared by Sol - Gel Method

S. No.	Programme & Theme	Organized by	Date	Title of the Paper
6.	National Conference on Advanced Functional Materials (NCAFM 2014)	Bharathiyar University, Coimbatore	Jan. 30 & 31, 2014	Fabrication and Characterization of Zirconium Oxide thin films
7.	National Conference on Recent Advances in Surface Science – RASS 2013	Gandhigram Rural University, Dindigul	Feb. 14 & 15, 2013	Fabrication and Studies of Polymer/Nanocrystalline Porous Silicon Based Optoelectronic Devices
8.	National Seminar on New Materials and Nanotechnology (NSNMN-2015) at on	Heera College of Engineering & Technology, Thiruvananthapuram, Kerala	Jan. 16 & 17, 2015	Influence of Annealing Temperature on the Optical Properties of Zirconium Oxide Thin Films Prepared by Sol-Gel Technique
9.	National Seminar on Nuclear Energy – Powering the Future	VHNSN College (Autonomous), Virudhunagar	Feb. 21 & 22, 2014	Powering the Future with Nuclear Energy
10.	National Seminar on Nuclear Energy – Powering the Future	VHNSN College (Autonomous), Virudhunagar	Feb. 21 & 22, 2014	Nuclear Power in India
11.	National Level Seminar on Innovative Strategy for Technical Developments and Designing New Business Model in Renewable Energy Sector	VHNSN College (Autonomous), Virudhunagar	Mar. 03 & 04, 2011	-
12.	National level seminar on Innovative Strategy for Technical Developments and Designing New Business Model in Renewable Energy Sector	VHNSN College (Autonomous), Virudhunagar	Mar. 03 & 04, 2011	Impact of Renewable Energy on Indian Society
13.	National conference on nano materials for energy harvesting	Thiagarajar College of Engineering, Madurai	Dec. 02 – 04, 2009	-

9. PARTICIPATED ON NATIONAL/INTERNATIONAL SEMINARS, WORKSHOPS, CONFERENCES & SYMPOSIUMS

S. No.	Programme & Theme	Organized by	Date
1.	International Conference on Solar Energy (INCSE 2015)	St. Mary's College (Autonomous), Thoothukudi	Feb. 11, 2015
2.	National Seminar on Nanotechnology	VVV College, Virudhunagar	Sep. 21, 06
3.	Regional Seminar on Recent Trends in Condensed Matter Physics	VVV College, Virudhunagar	Aug. 17 - 19, 2005
4.	Participated in One day Seminar on Research Methodology	VHNSN College	July 23, 2016
5.	Workshop on Physics in Engineering	Thiagarajar College of Engineering & Tehnology, Madurai	Nov. 05 & 6, 2015
6.	Guest lecture on Safety features in Indian Nuclear Power Plants	VHNSN College (Autonomous), Virudhunagar	Sep. 20, 2014
7.	Seminar on Advanced Technologies and Innovations in Energy and Environment	Madurai Kamaraj University, Madurai	Mar. 28, 2014
8.	ASTRA Programme	Tamil Nadu State Science & Technology and VHNSN College (Autonomous), Virudhunagar	Mar. 27, 2014

S. No.	Programme & Theme	Organized by	Date
9.	Guest lecturer on “Physics of Plasma”	VHNSN College (Autonomous), Virudhunagar	Dec. 21, 2013
10.	“MATLAB” by Employment Opportunity Programme,	VHNSN College (Autonomous), Virudhunagar	July 27, 2013
11.	National Workshop for Research Methodology & Green Technology	Pondicherry University	Nov. 29 & 30, 2012
12.	State Level Two Days Lecture cum Training Programme on Research Instruments”	Ayya Nadar Janaki Ammal College, Sivakasi	Sep. 28 & 29, 2012
13.	National workshop on Crystal Growth and Characterization	Alagappa University, Karaikudi	Mar. 16, 2009
14.	National symposium on Importance of Nanoscience and Technology	Alagappa University, Karaikudi	Mar. 14 & 15, 09
15.	National Seminar on Recent Advancement in Space Research & Astrophysics	VVV College, Virudhunagar	Feb. 27, 2009
16.	National Workshop on Recent Advancement in Materials Science	Alagappa University, Karaikudi	Mar. 07, 2008
17.	State Level Seminar Cum Workshop on Renewable Energy Technology	V.H.N.S.N. College, Virudhunagar	Sep. 06 & 07, 2007
18.	Regional Seminar on Recent Trends in Physics and Electronics, Madurai	Sermathaivasan College for women	Dec. 14, 2005
19.	National seminar on Emerging Opportunities in the Field of Electronics	VVV College, Virudhunagar	Aug. 24 - 26, 2005

10. ARTICLES PUBLISHED IN JOURNALS/PROCEEDINGS/MAGAZINES/BOOKS

S. No.	Journal/Proceeding/Magazine/Book Name	Title of the Article	Month/Year	Vol. No.	Issue No.	Page No.	ISSN	Publisher
1.	Materials Science & Engineering B	Disparate Structural Changes in the Titanium Dioxide Thin Film Coated on the P-Type Si and Porous Silicon Textures After Gamma Irradiation	May, 2021	267		115089	0921-5107	-
2.	Material Science in Semiconductor Processing	Non-Linear Structural and Surface Morphological Modifications Due To gamma Irradiation in P-Type Porous Silicon	2019	104		104678	-	-
3.	International Journal of Engineering Research and	Influence of Annealing					2278-0181	ESRSA Publication

S. No.	Journal/Proceeding/Magazine/Book Name	Title of the Article	Month/Year	Vol. No.	Issue No.	Page No.	ISSN	Publisher
	Technology	Temperature on the Optical Properties of Zirconium Oxide Thin Films Prepared by Sol-Gel Technique						
4.	International Journal of Chem Tech Research, CODEN (USA): IJCRGG	Optical Parameter Determination of ZrO ₂ Thin Films Prepared by Sol - Gel Dip Coating	Nov-14	.6	13	5342-5346	0974-4290	-
5.	International Journal of Chem Tech Research (CODEN (USA): IJCRGG	Characterization of Zirconium Oxide Thin Films Prepared by Sol - Gel Method	May-June 2014	6	3	1971 – 1973	0974-4290	-
6.	Special Topics & Reviews in Porous Media – An International Journal	Determination of Optical, Elastical & Acoustical Properties of Porous Silicon as a Function of Current Density	2014	5	1	53-62	-	-
7.	Proceedings of the International Colloquium on Materials, Manufacturing and Metrology	Optical Properties of Zirconium Oxide Thin Films Prepared by Sol - Gel Method	August, 2014			179-180	938068918-7	-
8.	Proceedings of National Conference on Recent Advances in Surface Science	Fabrication and studies of Polymer/ Nanocrystalline Porous Silicon Based Optoelectronic Devices	February, 2013			pp. 14-16	-	-