

Resume

I General Information

Name : P.Malliga
Father's Name : A.Ponniah
Age : 52 Years
Designation : Associate Professor
Department : Physics
Email ID : malligap63@gmail.com
Date of appointment : 29.10.1986
Date of retirement : 30.04.2021



II Educational Qualification

Examination Passed	Board/University	Subject	Year of Passing
SSLC	Board of Secondary Education		1978
PUC/ Higher Secondary	Board of Higher Secondary Education		1980
Bachelor's Degree	Madurai Kamaraj University	Physics	1983
Master's Degree	-do-	Physics	1985
M.Phil	-do-	Physics	1986
PhD	-do-	Thin films	Pursuing

III Teaching Experience : UG : 29 Years

Field of Specialization : Thin Films

Minor Research Project

Topic	Period	Funding Agency	Amount sanctioned in Rs.
Synthesis & Characterization study of metal oxide (ZnO & TiO ₂) Thin Films.	April 2013 onwards	UGC	Rs. 1,98,000

Projects guided

Name of the student	Title of the Project	Period	Funding Agency	Amount sanctioned Rs.
P.Lavanya, III B.Sc	Decibel Meter	2009-2010	UGC	5000

No. of articles published in Journals

International : 5

National : -

No. of papers presented in Seminars / Conferences

International : 6

National : 1

No. of articles published in Books / Conference Proceedings -5

Articles published

Title of the Article	Name of the Journal	Impact Factor	Database	Citation Index
Structural and Optical Properties of TiO ₂ Thin Films By Sol-Gel Method	International Journal Of Nanotechnology And Applications 216-221	-	-	-
Effect Of Film Thickness On Structural and Optical Properties of TiO ₂ Thin Films	IEEE –XPLORER 547-550	.0411	-	-
Influence Of Film Thickness On Structural and Optical Properties of Sol-Gel Spin coated TiO ₂ Thin Films	IOSR Journal of Applied Physics 22-28	1.345	-	-
UV screening performance of TiO ₂ thin films on agriculturally beneficial Rhizobium and Azotobacter	International Journal of Chem Tech Research 2229-2232	-	Scopus	1
Study on the UV screening performance of dip coated TiO ₂ thin films on agriculturally beneficial Rhizobium and Azotobacter	Elixir-Thin film Technology International Journal 23803-23807	ICV=5.049		
Studies on the Performance of TiO ₂ Thin films as protective layer to chlorophyll in ocimum tenuiflorum.L from UV Radation.	AIP conference proceedings, June 2015, 1665,080047			

Papers presented

Date	Seminar / Conference	Title of the paper	Level	Venue
03.12.2012 - 04.12.2012	National Conference on Nanomaterials	Structural and Optical Properties of TiO ₂ Thin Films By Sol-Gel Method	National	Karunya University, Coimbatore.
10.07.2013 - 12.07.2013	International Conference on Nanomaterials for Frontier Applications and Indo-Norwegian Workshop on Advanced Materials for Solar Cell Applications (ICNFA2013).	Structural and Optical properties of Sol-gel spin coated Nano crystalline TiO ₂ Thin films	International	Coimbatore Institute of Technology, Coimbatore, India
24.07.2013 - 26.07.2013	International Conference on Advanced Nanomaterials & Emerging Engineering Technologies (ICANMEET-2013).	Effect Of Film Thickness On Structural and Optical Properties of TiO ₂ Thin Films	International	Sathyabama University, Chennai.

10.03.2014 - 12.03.2014	International Conference on Materials and Characterization Techniques (ICMCT-2014).	UV screening performance of TiO ₂ thin films on agriculturally beneficial Rhizobium and Azotobacter	International	VIT University, Vellore
08.08,2014 - 09.08.2014	International Colloquium on Materials, Manufacturing and Metrology(ICMMM 2014)	Synthesis and characterization of NanocrystallineTiO ₂ Thin Films for Protecting Agriculturally Beneficial Rhizobium and Azotobacter from UV Radiation	International	IITMadras, Chennai
16.12.2014 – 20.12.2014	DAE-59 th Solid State Symposium	Studies on the performance of Tio ₂ thin films as protective layer to chlorophyll in Ocimum tenuiflorum L from UV Radiation	International	VIT University, Vellore
28.01.2015 - 29.01.2015	UGC sponsored National Seminar on Interdisciplinary Application of Biology	Performance of coated Titania thin films as protective layer to Chlorophyll in ocimum tenuiflorum L from UV Radiation	National	Jayaraj Annapackiam College For Women, Periyakulam.

Articles published in Books / Conference Proceedings

Year	Book title / Conference	ISBN	Article title
2013	International Conference on Nanomaterials for Frontier Applications and Indo-Norwegian Workshop on Advanced Materials for Solar Cell Applications (ICNFA2013)	Page no:86-87	Structural and Optical properties of Sol-gel spin coated Nano crystalline TiO ₂ Thin films
2014	International Conference on Materials and Characterization Techniques (ICMCT-2014).	Page no:230	UV screening performance of TiO ₂ thin films on agriculturally beneficial Rhizobium and Azotobacter
2014	International Colloquium on Materials, Manufacturing and Metrology(ICMMM 2014)	ISBN:978-93-80689-18-0	Synthesis and characterization of NanocrystallineTiO ₂ Thin Films for Protecting Agriculturally Beneficial Rhizobium and Azotobacter from UV Radiation

2015	UGC sponsored National Seminar on Interdisciplinary Application of Biology	ISBN :978-81-923038-6-4	Performance of coated Titania thin films as protective layer to Chlorophyll in ocimum tenuillorum L from UV Radiation.
2015	Multidisciplinary Research Journal of VVV College (Volume II Number 2)	ISSN: 2347-3967	Characterization of titania thin film prepared by Sol-Gel Method

Books published / edited

Year	Book title	Published / edited	ISBN	Publisher
2013	Heat, Thermodynamics and Statistical Physics	Published	978-81-921895-0-5	Daisy and Daerin Publishing house, Madurai

V No. of Seminars/Conferences/Workshops attended-6

V I Course attended (Refresher / Orientation / any other)

Name of the Course	Venue	Duration
Orientation Course	Bharathidasan University, Trichy.	18.07.1988-14.08.1988
Refresher Course (Nuclear Physics)	University of Madras, Madras.	11.07.1994-03.08.1994
Refresher course (value Education)	Vivekananda College, Thiruvudagam (west)	23.04.2001 14.05.2001
Refresher course (Recent developments on crystal growth and characterization)	Anna University, Chennai.	28.05.2001- 17.06.2001

IX Seminars / Conferences / Workshops organized

Date	Level	Theme
07.10.2010	Regional	Recent Advancement In Astro Physics
04.01.2011 – 06.01.2011	State	TNSCST Sponsored A Three day Workshop on Energy Management and Employment Opportunities
03.01.2012	National	Recent Trends in Physics
28.01.2013	State	Nuclear power in the service of Mankind- 2013
05.02.2013	State	“Nano materials”
18.01.2014	Cluster of Colleges Joint Faculty Meeting	“Classical and Quantum Dynamics”
14.02.2014	National	Emerging Technology in Physics.
08.10.2014	National	Emerging Trends in Physics