

## STAFF PROFILE

(use Times New Roman Font size 11 or 12)



**Name** : Dr. M.Kavitha

**Designation** : Assistant Professor

**Date of Entry into Service** : 25/2/2008

**E-mail** : kavirmk@yahoo.com & kaviram06@gmail.com

**Mobile (Optional)** : +91-9976033732(9865659293)

**Education** : M.Sc.,M.Phil.,Ph.D

**Areas of specialization** : Material Science/Thin film NanoScience / SolarCell Application

### Projects undertaken :

Title of the Project	Name of the funding Agency	Duration	Completed/Ongoing	Amount	Remarks

### Seminars Organized :

Title of the Seminar/Conference/Workshop	Date	Sponsoring Agency	National/State/International	Co-ordinator/Convener
Progress in condensed matter physics	7/01/2015	UGC	State level Seminar	Convener
Materials for technological applications	11/01/2019	UGC	National Seminar	Convener

**Seminars, Workshop and Conferences Attended:Yes**

<b>Title of the Seminar/Conference/Workshop</b>	<b>Date</b>	<b>Sponsoring Agency</b>	<b>National/State/International</b>	<b>Organization in which attended</b>
Workshop	09.02.2012 To 10.02.2012	UGC sponsored	International workshop on Advanced Energy Materials	School of Physics, Alagappa University, Karaikudi
Conferences	12.12.2011 To 16.12.2011	UGC sponsored	International Conference on Advanced Materials	Department of Physics, PSG College Of Technology, Coimbatore
Seminar	16 <sup>th</sup> September  2011	UGC sponsored	National seminar Nano Science and technology – an overview	Department of Physics, Arul Anandar College, Madurai
Seminar	5 <sup>th</sup> and 6 <sup>th</sup> October 2017	Department of Solar energy	National seminar & workshop	School of energy ,environmental and natural resources, Madurai Kamaraj University.
Seminar	12 <sup>th</sup> July 2018	UGC sponsored	International seminar on emerging trends in material science	Sri.S.Ramasamy Naidu memorial college,Sattur.

**Books Published:**

<b>Title of the Book Published</b>	<b>ISBN No.</b>	<b>Publisher if any</b>	<b>Year of Publishing</b>	<b>Authored/Edited</b>

### Research Publications:

Title of the Journal	ISSN No. if any	Volume No. & Page No. if any	Year	International/ National/State
Characterized by the PN multilayer thin film for solar cell application	ISSN 2229-5518	Volume 4, Issue3	March-2013	International Journal of Advancements in Research & Technology
Synthesis and Characterization of TiO <sub>2</sub> Nanopowders in Hydrothermal and Sol-Gel Method”	ISSN 2278-7763	Volume 2, Issue4, pp-102	April-2013	IOSR Journal of Applied Chemistry (IOSR-JAC)
Optical properties of (AR) multilayer thin film for solar cell application”	e-ISSN: 2278-5736	Volume 4, Issue4 PP 01-04;	(May. – Jun. 2013),	IOSR Journal of Applied Chemistry (IOSR-JAC)
“Dye Sensitized Solar cell materials -TiO <sub>2</sub> with Hesperidin”	ISSN: 2319-8753	Vol. 2, Issue 7,	July 2013	International Journal of Innovative Research in Science, Engineering and Technology
Synthesis and Characterization of surface modified RhoB-TiO <sub>2</sub> ”	ISSN: 0975-833X	Vol. No .5, Issue, 08, PP.2179-2182	July 2013	International Journal of Current Research
Characteristics Studies On Multilayer Thin Film In CBD For Photovoltaic Solar Cell Material	ISSN: 2319-8753	Vol. 2, Issue 8,	August 2013,	International Journal of Innovative Research in Science, Engineering and Technology
Properties Of ZnS Buffer Layer Prepared By CBD For Solar Cells	ISSN: 0975-833X	Vol. 5, Issue, 12, pp.4222-4226,	December, 2013	International Journal of Current Research
Particle size analysis for different substrate of ZnS/ZnO thin film in CBD	ISSN 2090-9527	Vol.5 Issue 2,pp.137-141	May 2016	International journal of thin film science and technology
Physical properties of single layer thin film in CBD for sulfur and oxide PV solar cell materials	ISSN 2321-17177	Vol.4 Issue 3 pp.446-58	March2016	International journal of Engineering Research
Annealing effect of ZnSe thinfilm us CBD technique for PV Solar Cell application	ISSN2319-3778	Special issues pp.174-178	February 2017	International conference of Nanotechnology :The fruition of science
Solid State method for synthesis of silver nano particle by using fenugreek Plant extract	ISSN2319-3778	Special issues pp.160-163	February 2017	International conference of Nanotechnology :The fruition of science
Optical and morphological studies of Te doped zinc	ISSN2319-3778	Special issues PP.186-190	February 2017	International conference of Nanotechnology :The

oxide in PVD of nano composite materials				fruition of science
Annealing effect of ZnSe thinfilm using CBD technique for PV Solar Cell application	ISSN2315-4527	Vol.5 No.3 PP.110-115	September 2017	International Journal of material science and engineering.
Structural and optical properties of ceo2 nano thin film prepared by CBD technique	ISSN2349-8684	Vol.4 No.3	February 2018	Root international journal of multidisciplinary researches

### Research Activities

Degree	No. Awarded	No. Submitted	No. Guiding
M.Phil.,	4	Nil	1
Ph.D.,(Part-time)			
Ph.D. (Full-time)			

### Details of Invited Lecture / Resource Person

Place	Date	Sponsoring Agency	Topic	Audience type	International/National/State Level
Madurai	28 <sup>th</sup> Jan'16	Mangayarkarasi College For Women	Energy Materials	UG Students	State Level
Sivagangai	26 <sup>th</sup> Dec'18	Madurai sivakashi Nadar Pioneer meenakshi women college	Alternate energy sources	UG Students	State level
oddanchatram	28 <sup>th</sup> Dec'18	Sri sai bharath college of education	Physics club	B.Ed students	State level

### Academic council/Board of Studies Member :

Institution	For a period of	Dept.

### Honours Achieved:

Agency	Recognition IN/National/State	Cash award if any(Amount)	For the service of

**Service in Extra Curricular Activities (NSS/NCC/AEEP/YRC/MCCA/Club etc.,)**

Whether NSS/NCC/AEEP/YRC	Period
Extension Activity	Convener(2017-2018)
Club Activity	Co-ordinator(2017-2018)

**Reviewer/editor of a journal:nil**

Title of the Journal	ISSN No. if any	International/ National/State	Impact factor/h-index

**Details of Orientation and Refresher attended: yes**

Orientation/Refresher	University/College/Institute at which attended	Duration	
Orientation	Bharathiar University	20.01.2010	16.02.2010
Refresher	Madurai Kamaraj University	12.11.2013	02.12.2013
Refresher	Bharathiar University	24.05.2016	13.06.2016
Refresher	Bharathiar University	23.11.2018	13.12.2018

**Any Other Information: Nil**