

## **BIODATA**

1. NAME: : Dr. G. SAROJA
2. QUALIFICATION : M.Sc., M.Phil., Ph.D., M.Ed
3. DESIGNATION & DEPARTMENT : Associate Professor & Physics
4. AGE & DATE OF BIRTH : 53 Yrs, 02.06.1966
5. SEX : Female
6. PERMANENT ADDRESS : 4/471, Manikkavasakar st, Sadasiva nagar,  
Madurai-20
7. ADDRESS FOR COMMUNICATION 4/471, Manikkavasakar st, Sadasiva nagar,  
Madurai- 20
8. EDUCATIONAL QUALIFICATION:

S.NO	COURSES	SUBJECT	YEAR OF COMPLETION	INSTITUTION
1.	Under Graduate	Physics.	1986	Holy cross college, Nagercoil
2.	Post Graduate	Physics.	1988	S.T. Hindu college, Nagercoil
3.	M.Phil	Physics	1992	Alagappa University
4.	Ph.D	Physics	2016	Madurai Kamaraj University
5.	M.Ed		1996	Annamalai University

9. Research Work /Experience : -----

10. Recognized Research guide : -----

a) Area of Specialization : **THIN FILMS**

**11 :TEACHING EXPERIENCE**

S.NO	DESIGNATION	PLACE	DURATION	NO.OF YEARS
1.	Asst. prof	Thiru.A.Govindasamy .Govt Arts College, Tindivanam	02/09/1996 to 15/09/1998	2 Yrs
2.	Asst. prof	Sri Meenakshi govt. Arts college for Women (a), madurai	16/09/1998 to till now	21 Yrs
Total Teaching Experience				23 Yrs

**PROJECT GUIDE FOR PG STUDENTS – 6 YEARS**

**ORIENTATION/REFRESHER COURSES/OTHER PROGRAMMES & TRAINING:**

S.NO	NAME OF THE COURSE	TOPIC	PLACE	PERIOD
1.	Orientation		Pondichery University	19.01.98 to 15.02.98
2.	Refresher	Value Education	Madurai Kamaraj University	09.02.2005 to 01.03.2005
3.	Refresher	Physical Sciences	Madurai Kamaraj University	15.11.2007 to 05.12.2007
4.	Refresher	Physics	Bharathidasan University	27.01.2012 to 16.02.2012

## PUBLICATIONS:

### RESEARCH PAPER PUBLISHED:

S.No	Name of the Article &Journal of Publication	Authors	Year of Publication	Journal	
				National	International
1	The Effect of ZnO Thin Film and Its Structural and Optical Properties Prepared by Sol-Gel Spin Coating Method	Nagarani Nagayasamy, Saroja Gandhimathination, Vasu Veerasamy School of Physics, Madurai Kamaraj University,	May 5, 2013	Open Journal of Metal, 2013	
2	Optical Studies of Ag <sub>2</sub> O Thin Film Prepared by Electron Beam Evaporation Method, open Journal of Metal 2013, 3, 57-63	Gandhimathinathan Saroja, Veerapandy Vasu, Nagayasamy Nagarani	2013, 3, 57-63	Open Journal of Metal, 2013	
3	Preparation and characterization of tungsten trioxide (WO <sub>3</sub> ) thin films	Lavanya Raveendran, Saroja Gandhimathynathan and Vasu Veerapandy	Vol. 678 (2013) pp 32-36 (2013)	Advanced Materials Research Vol. 678 (2013) pp 32-36 (2013)	
4	Study on the Properties of Spin-Coated Co-Doped ZnO (CZO) Thin Film	N. Nagarani <sup>1</sup> , G. Saroja <sup>1</sup> , V. Vasu <sup>2</sup> , A. Ayeshamariam <sup>3</sup> Government College for Women, Madurai, 2 Madurai Kamaraj University, Madurai 3 Khadir Mohideen College, Adirampattinam,		-	International Journal of Nanomaterials and Nanostructures

# STATE/NATIONAL/INTERNATIONAL CONFERENCE, SEMINAR, WORKSHOP PARTICIPATION

S NO	NAME & LEVEL OF THE PROGRAMME	TITLE	PLACE	PERIOD
1	National Seminar on	National Seminar on Recent Developments in Space Technology and Astrophysics	Sri Meenakshi Govt. College, Madurai	January 5, 2015
2	UGC workshop	UGC workshop on Astrophysics & solar energy	Sri Meenakshi Govt. College, Madurai	January 8, 2015
3	International Conference	International Conference on Recent Trends in Material Science and Applications	Sri Meenakshi Govt. College, Madurai	January 6, 2017
4	National Conference	National Conference on Achievements in Space Science & Astrophysics	Sri Meenakshi Govt. College, Madurai	January 20, 2017
5	International workshop	International workshop- Advanced Materials Engineering	Thigaraja Engineering College, Madurai	26, September 2016
6	International Conference	International Conference recent trends in synthetic Methodology and Material Chemistry.	Department of chemistry, Annamalai University, Chidambaram	Feb 2-3, 2018
7	National Conference	National Conference on Frontier in Nanoscience,	Department of chemistry, Annamalai University, Chidambaram	October 4-5, 2018
8	National seminar	National seminar on Artificial Intelligence and the Future of IT in machine Learning Age	Sri Meenakshi Govt. College, Madurai	April 01, 2019
9	IQAC seminar	Opportunities and challenges in the Emerging Space of Higher Education by IQAC	Sri Meenakshi Govt. College, Madurai	04.09.2019

**PAPER PRESENTED IN NATIONAL/INTERNATIONAL CONFERENCE :**

Sl.No	Name of the Faculty	Details of Conference	Paper Title	Date	Venue
1	Dr.G. Saroja	International Conference on Nanoscience and Nanotechnology	Effects of thermal annealing on the optical properties of titanium dioxide thin films prepared by sol-gel method	, July 6-8, 2011.	Coimbatore Institute of technology, Coimbatore
2		International – Recent trends in Materials	The effect of oxygen partial pressure on physical properties of silver oxide thin films deposited by Electron Beam Evaporation Technique.	22,23 January 2016	Devanga Arts College, Aruppukottai
3		Advances in Material Science (Poster presentation).	Preparation, Characterization, Spectroscopic (FT-IR and FT-Raman) Studies Ag <sub>2</sub> O Thin film by	12 th Feb 2016.	M.A.V.M college, Dindugal (Poster presentation
4		International conference on recent trends in Synthetic methods and material chemistry	Effect of. oxygen partial pressure on optical properties of silver oxide thin films byEVB technique	Feb 2-3, 2018	Department of chemistry, Annamalai University, Chidambaram
5		National Conference on Frontiers in Nanoscience	Comparative study on physical properties of undoped & Tin doped silver oxide thin films byEVB technique.	October 4-5, 2018	Department of Physics, Annamalai University, Chidambaram

**SEMINAR/ SYMPOSIA / WORKSHOP CONDUCTED:**

S N0	NAME & LEVEL OF THE PROGRAMME	TITLE	PLACE	PERIOD
1	National Seminar	National Seminar on Recent Developments in Space Technology and Astrophysics	Sri Meenakshi Govt. College	January 5, 2015.
2	UGC workshop	UGC workshop on Astrophysics & solar energy	Sri Meenakshi Govt. College	January 8, 2015.
3	International Conference	International Conference on Recent Trends in Material Science and Applications	Sri Meenakshi Govt. College	January 6, 2017.
4	National Conference	National Conference on Achievements in Space Science & Astrophysics	Sri Meenakshi Govt. College	January 20, 2017.

**OTHER RESPONSIBILITIES HOLD IN SERVICE (CURRENT/ PREVIOUS):**

S.NO	NAME OF THE SERVICE/COMMITTEE	PLACE	PERIOD
1.	EDUSAT committee member	Sri Meenakshi Govt. College	2010 to 2015
2.	IQAC committee member	Sri Meenakshi Govt. College	2012-2015
3.	Admission coordinator	Sri Meenakshi Govt. College	2009.
4.	In-charge for MBC/SC/ST scholarship, remedial classes,	Sri Meenakshi Govt. College	2003-2005
5.	Staff coordinator for students welfare in counseling cell.	Sri Meenakshi Govt. College	2005-2007
6	Purchase of Lab Items, (UGC, STATE Allotments) Lab in charge, Contingency in charge.	Sri Meenakshi Govt. College	2003-2006

7	<b>Study</b> Material prepared for the <b>PG NME Paper (batteries and their applications)</b>	Sri Meenakshi Govt. College	2014

OTHER RESPONSIBILITIES HOLD IN OTHER INSTITUTIONS:

S.NO	NAME OF THE SERVICES/COMMITTEE	PLACE	PERIOD
1	State level training for <b>PG Teachers content enrichment</b>	Chennai	September 2013
2	Resource person - <b>PG Teachers content enrichment</b>	L.P.N Higher Sec. School –Pudur Madurai	Novewber 2013