

## PROFILE



**Name** : A. CLARA DHANEMOZHI  
**Designation** : Associate Professor  
**Department** : PHYSICS  
**Date of Birth** : 23-10-1968  
**Date of Appointment** : 6-7-1992

### CONTACT DETAILS

**ADDRESS** : “Alton’s mansion”  
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### ACADEMIC

S. No.	Degree	University	Year of Completion
1.	B.Sc.	Sree Sevugan Annamalai College, Devakottai	1988
2.	M.Sc.	Fatima College, Madurai	1990
3.	B.Ed.	Annamalai University, Chidambaram	1991
4.	PGDCA	St. Joseph’s College, Trichy	1991
5.	M.Phil.	Mother Teresa Women’s University, Kodaikanal	2007

**Total Experience** : UG - 21 years, PG - 7 Years

**SPECIALISATION** : THIN FILM NANOMATERIAL, SOLAR ENERGY

### ACADEMIC AFFILIATION:

1. NSS Programme officer (2009-2012)
2. Student Union vice-President(from 2012)

### PROFESSIONAL AFFILIATION

- Member of the UGC capacity building of women managers in Higher Education

## RESEARCH EXPERIENCE

**PUBLICATIONS:** Paper entitled,

- **“Brush plated ZnS films and their properties”** in the **International journal of Alloys and Compounds vol.464, sep 2008, p. no. 383-386.**
- **“Structural, Optical and Electrical properties of ZnSe Thin films”** in **Chalcogenide Letters , Vol. 5, Nov. 2008, P. No. 277-280**
- **“Telerobot for Detective Applications”** in the **Journal of Lab Experiments Vol-10, No.2, June 2010.**
- **“Solar Air Heater for commercial applications”** in the **Journal of Modern Science, Tamilnadu State Council for Higher education Vol-3 , Feb 2011**

**PRESENTATIONS: (ABROAD) :** Paper entitled,

- **“State of the art solar air heater using evacuated tubes”** in the **International chemical, Engineering and Energy conference held at KualaLumpur, Malaysia from 21st – 23<sup>rd</sup> December, 2012**
- **“Solar Air Heater for commercial applications”** in the conference at the **Institute of Fundamental Studies, Kandy, Srilanka, from July 28<sup>th</sup> – 30<sup>th</sup>, 2011**

**PRESENTATION :** Paper entitled,

- **“Effective Management of Institutions with communication and information technology”** organized by Jayaraj Annapackiam college for women, Periyakulam.
- **“State of the art Solar Air Heater for rural small scale industries”** organized by V.V. Vanniaperumal college , Virudhunagar.
- **“Brush plated ZnS films and their properties”** in the National conference organized by the Department of Physics, Jayaraj Annapackiam college for women, Periyakulam.
- **“Low cost Solar Air Heater for Low Temperature Applications”** in the **National conference** organized by the Department of Physics, Rev. Jacob Memorial College, Ambilikkai, Oddanchathiram.
- **“Properties of ZnSe Thin Films”** in the **National conference** organized by the Department of Physics, Jayaraj Annapackiam college for women, Periyakulam from 23<sup>rd</sup>-24<sup>th</sup> march, 2009.
- **“Brush plated ZnS films and their properties”** in the International conference organized by the Department of Physics, Mother Teresa Women’s University, Kodaikanal from 27<sup>th</sup> -29<sup>th</sup> February, 2008.
- **“Brush plated ZnSe films and their properties”** in the International conference organized by the Department of Physics, Thiagaraja College of Engineering, Madurai from 7<sup>th</sup>-9<sup>th</sup> January, 2009.

- **“Structural and magnetic behavior of Ni and Ni-Co Alloy”** in the **National conference on Recent Trends in Chemistry** organized by the Department of Chemistry, Jayaraj Annapackiam college for women, Periyakulam.
- **“Structural,Optical and Electrical properties of ZnSxSe1-x thin films”** in the International conference organized by the Department of Chemistry, Gitam university, Vishakapatnam from 17<sup>th</sup> -19<sup>th</sup> December, 2010.
- **“Structural,Optical and Electrical properties of ZnSxSe1-x thin films”** in the International conference on Advance materials organized by the Department of Physics, Kalasalingam university, Krishnankoil from 4<sup>th</sup> – 5thMarch, 2011.
- **“comparison of the efficiencies of the solar air heater”** in the International conference on Solar Energy organized by the Department of Nanoscience and Nano technology, Satyabama university, Chennai.

#### **Seminars / Conference / Workshops Participated (Last Five Years) - 6**

**RESOURCE PERSONS :** Delivered Guest lecture on,

- **“Nanotechnology”** in the Students Awareness Science programme held at Jayaraj Annapackiam college for Women, Periyakulam on 29-6-2009 to 3-7-2009.
- **“Nanotechnology”** in the “PHY-MAT” association inauguration at Sri Adi Chunchangiri College for Women, Cumbum on 11-9-2009.
- **“Biometrics”** in the Physics Association at Arul Anandar College, Karumathur on 16-9-2009.
- **“ENERGY FOR FUTURE”** in the N.S.S meeting on the Renewable Energy Day held in our college on 26-07-2009.
- **“VEDIC MATHEMATICS”** in the N.S.S special camp at Jallipatti on 18-11-2010.
- **“Recent applications of Radiofrequency in agro Industries”** in the Tamilnadu Horticultural University, Periyakulam on 22-08-2011.
- **“ALTERNATE ENERGY SOURCES”** in the N.S.S meeting on the Renewable Energy Day held in our college on 26-07-2009.
- **“Applications of Nanomaterials”** in the Physics Association at Shrimati Indira College for Women at Tiruchirapalli on 19-9-2011.
- **“The fascination of Light”** in the Regional workshop at Shrimati Indira College for Women at Tiruchirapalli 10-02-2012.