

FACULTY PROFILE

Name : Dr.V.Chitra
Designation : M.Sc., M.Phil., Ph.D.
Email ID : chitra.sh@srit.org

chitrasrit22@gmail.com

Area of Specialization : Thin Film Nano Technology
Solar Cell

Total Experience : 27 Years 10 Months Academic : 27 Years 10 Months
Industry : Nil

Educational Qualification:

Degree	Branch / Specialization	College	University
B.Sc.	Physics	P.S.G.R. Krishnammal College for Women, Coimbatore	Bharathiar University, Coimbatore
M.Sc.	Physics-Electronics	P.S.G. College of Arts and Science, Coimbatore	Bharathiar University, Coimbatore
M.Phil.	Physics- Electronics	P.S.G. College of Arts and Science, Coimbatore	Bharathiar University, Coimbatore
Ph.D.	Thin Film Nano Technology – Solar Cell	Coimbatore Institute of Technology, Coimbatore	Anna University Chennai

Experience Details:

S.No	Institution	Design.	Experience		Total Years & Months
			From	To	
1	Sri Ramakrishna Institute of Technology, Pachapalayam, Coimbatore – 10	Asst. Professor (Selection Grade)	01.11.2012	Till date	13years
		Asst. Professor (Senior Grade)	01.08.2010	31.10.2012	
		Senior Lecturer	01.7.2009	31.07.2010	
		Lecturer in Physics	23.07.2003	30.06.2009	
2	Suguna Polytechnic College, Nehru Nagar, Coimbatore – 14.	Lecturer in Physics	16.06.98	10.06.03	5 years
3	Protek Land Computer Centre, Peelamedu, Coimbatore – 04.	Faculty	10.08.94	01.06.98	3years 10 months
4	Ministry of Science, Technology and Vocational Training, Zambia.	Senior Lecturer in Physics	23.03.94	29.07.94	4 Months
5	Ministry of General Education, Zambia	Senior Teacher in Physics	22.04.91	15.03.94	2 years 11 Months

6	SNR Sons College, Ganapathy (PO), Coimbatore – 06.	Asst. Prof. in Electronics	19.07.88	18.04.91	2 yrs 9 Months
Total (as on Feb 2016)					27 Years 10 Months

Publications :

Journals :

- 1.V.Chitra and K.R. Murali; Properties of Pulse Electrodeposited CuInGaSe 2 Films, ECS Transactions, 2015, Vol.69,(Issue 31),pp. 15-20.
2. V.Chitra, S.Vasanth, K.R. Murali, “Structural, optical, electrical and photo conducting properties of pulse isolated Copper Gallium selenide films”, Composites: Part B, 2014, Vol.58, pp.160-165.
- 3.V.Chitra, K.Anandhi and S.Vasanth “Photoelectrochemical behavior of Copper Indium Selenide thin films” Advanced Materials Research, 2013, Vol.678,pp. 343-348.
4. K.Anandhi S.Dhanpandian N. Muthukumarasamy K. Thilagavathy and V.Chitra “Deposit of CdSe films by pulsed galvanostatics electrodeposition and their properties” , Advanced Materials Research , 2013,Vol.678, pp. 144-148.
5. V.Chitra, S.Vasanth and K.R.Murali,“Pulse Electrodeposited Films and Their Properties”, ECS Transactions, 2012, Vol.41, (Issue 44), pp.99-104.
6. K.R.Murali, V.Chitra, and S.Vasanth, “Pulse Electrodeposited Copper Indium Selenide Films”, Electrochemical Society, 2011, MA2011-01(Issue 26), 1546.

International Conferences:

1. Presented the Paper “Photo electro chemical behaviour of Copper Indium Selenide thin film” in the International Conference on Nano science and Nanotechnology (ICNN2011) at Coimbatore Institute of Technology (CIT) ,Coimbatore (2011).
2. Presented the Paper “Deposition of CdSe Films by Pulsed Galvanostatic Electro Deposition and Their Properties” in the International Conference on Nano science and Nanotechnology (ICNN2011) at Coimbatore Institute of Technology (CIT) ,Coimbatore (2011).

3. Presented the Paper "Electrochemical Photovoltaic Cell with Pulse Electrodeposited Copper Indium Selenide films" in the I International Conference on Nant Science, Engineering & Technology (ICONSET2011) –IEEE at Sathyabama University Chennai (2011).
4. Presented the Paper "Pulse Electrodeposited CuGaSe₂Films and their Properties " in the International Conference on Advance Materials (ICAM 2011) at PSG College of Technology, Coimbatore (2011).
5. Presented the Paper " Pulse Plated CuGaSe₂ Films and their properties" in the International Conference on Nano materials for Frontier Application and Indo-Norwegian Workshop on Advanced Materials for Solar Cell Applications (ICNFA-2013) at Coimbatore Institute of Technology (CIT) Coimbatore. (2013).

National Conferences:

1. Presented the Paper "Pulse Electrodeposited Copper Indium Selenide Films and their Photo Electrochemical Behaviour "in National Conference on Nanoscience and Technology (ICONSET) at University of Madras, Chennai (2011).
2. Presented the Paper "Characteristics of Pulse Plated CuGaSe₂ Films "in National Conference on National Conference on Thrust Areas of Engineering (NCTAE 2012) Global Academy of Technology, Bangalore (2012).
- 3 Presented the Paper "Properties of Pulse Electrodeposited CuGaSe₂ Films"in National Conference on Recent Trends in Materials Science (NCRMS – 2012) A.V.C. College, Mayiladuthurai (2012).

Books Published:

1. Engineering Physics Lab Manual -Anna University, Chennai (R2006)
2. Engineering Physics Lab Manual – Annual Pattern ,Anna University, Chennai (2006-2007)
3. Engineering Physics Lab Manual -Anna University, Coimbatore (2007-2008)
4. Engineering Physics Lab Manual- Anna University, Coimbatore (R2008)
5. Engineering Physics Lab Manual- Anna University, Chennai (R2013)

Seminar, Conference, Workshop Attended:

1. Participated in the Seminar on "Microprocessor and their Applications" at PSG College of Arts and Science, Coimbatore, held on Mar 29 - Mar 31 , 1990.
2. Participated in the International Conferences on "Recent Trends in Solar Photovoltaic" at Coimbatore Institute of Technology, Coimbatore, July 13, 2006.
3. Participated in the "Workshop on Nonlinear Dynamics" at Government Arts College, Coimbatore held during Feb 09 - Feb 10, 2007.

4. Participated in the Workshop on “Physics with Homemade Equipment and Innovative Experiments (Phoenix) at Kongunadu Arts and Science, Coimbatore, held on Oct09,2007.
5. Attended a seminar on “Recent trends in High Data Rate Wireless Communication” at Ramakrishna Institute of Technology, Coimbatore, on Aug 20-Aug21, 2009.
6. Participated in the one day National workshop on “Emerging Research Trends in Thin Film and Nanotechnology” at Govt. College of Technology, Coimbatore, on Oct 3,2009.
7. Attended the one day National workshop on” Nanomaterials and Device Modeling” at PSG College of Technology, Coimbatore, on March 4, 2011.
8. Pre-Conference Workshop International Conference on” Nano Science and Nanotechnology (ICNN 2011) ”at Coimbatore Institute of Technology, Coimbatore, July 5, 2011
9. Attended the workshop on” Need Base Approach for Effective Teaching” Organized by Sri Ramakrishna Institute of Technology, Coimbatore on June 21, 2011.
10. Attended the International workshop on “Nano Electronics” by Dept. of ECE during December 2011.
11. Participated in the “One Day Workshop on Parents and Designs” Organized by ISTE Students Chapter (TN271) at Sri Ramakrishna Institute of Technology, Coimbatore on February 15, 2012.
12. Participated in a Two day ISTE Workshop on “Aakash for Education” by IIT Bombay at Sri Ramakrishna Institute of Technology, Coimbatore on November, 10th and 11th 2012.
13. Participated in a Two Week ISTE Workshop on Engineering Thermodynamics by IIT Bombay at Sri Ramakrishna Institute of Technology, Coimbatore on December,,11th and 21th 2012.
14. Participated in the Two- Week ISTE- STTP “Engineering Physics” by IIT Bombay at Sri Ramakrishna Institute of Technology, Coimbatore on December, 8th to 18th 2015.

FDP:

1. Participated in the FDP on”Non-Destructive Analysis Using Microwave” at Einstein College of Engineering, Tirunelveli, December 23, 2008.
2. Participated in the SDP on “Inculcating Open Source Software Development and its Use in Multi-disciplinary Engineering Domains” at PSG College of Technology, Coimbatore, June 22 to July 06, 2007.

Professional Society Activities:

1. Coordinator for National Service Scheme (NSS) at Suguna Polytechnic College, Coimbatore (1998-2003).

Membership in Professional Bodies:

1. ISTE-Life member (LM63914).

Contributions to the Institution, Department and Society:

- i. Organizing Reception Committee member for Graduation Day, Annual Day, Admission, Induction Day, from 2003 to till day.
- ii. External and Internal Examiner for theory and laboratory.
- iii. Library Committee Member
- iv. ID-Card In charge for Teaching, Non-Teaching and Students.
- v. Co-Coordinator for Time-Table (2006-2010)
- vi. Tutor and Senior Tutor-2003-Till day
- vii. Reception & Registration committee coordinators for Parent-Teachers meeting
- viii. Core Committee member (S&H) for NBA Accreditation.

Awards and Recognitions:

- i. Best paper award in Physics for the paper title 'Characteristics of Pulse Plated CuGaSe₂ Films' which was presented on 20 January 2010 at the National Conference on Thrust Areas of Engineering (NCTAE 2012) Global Academy of Technology, Bangalore.
- ii. Dr.S. Radhakrishnan Award form SRIT Alumni Association for Contribution and Excellence in Academics-26.01.2015.