

Resume



I General Information

Name : Dr.(Mrs.) I.Rathinamala
Father's Name : Mr.R.Inbamani
Age : 35 Years
Designation : Assistant Professor in Physics
V.V.Vanniaperumal College for Women,
Virudhunagar.
Department : Physics
Email ID : rathinamala@vvvcollege.org
Date of appointment : 20.06.2007 (SF)
15.07.2019 (Aided)
Date of retirement : 31.07.2042

II Educational Qualification

Examination Passed	Board/University	Subject	Aggregate %	Year of Passing
SSLC	Board of Secondary Education	-	90.80	1999
Higher Secondary	Board of Higher Secondary Education	-	90.08	2001
Bachelor's Degree	Madurai Kamaraj University, Madurai	Physics	83.10	2004
Master's Degree	Madurai Kamaraj University, Madurai	Physics	83.97	2006
M.Phil.	Madurai Kamaraj University, Madurai	Physics	79.20	2007
Ph.D.	Madurai Kamaraj University, Madurai	Physics	-	2017

III **Teaching Experience** : UG : 12 Years 4 Months
PG : 12 Years 4 Months
Field of Specialization : Nano Thin Film, Nanomaterial
Awards won : ➤ University fourth rank in M.Sc.
➤ Received Gold medal for Ph.D. in V.H.N.S.N. College, Virudhunagar.

IV Minor Research Project: Co-Investigator

Topic	Period	Funding Agency	Amount sanctioned in Rs.
Synthesis and Characterization of CdS thin films	2011-2013	UGC, New Delhi	1,35,000
Synthesis and Characterization Study of Metal Oxide (ZnO & TiO ₂) Thin films	2012-2014	UGC, New Delhi	1,10,000

Fabrication of Advanced Co_xS_y Nanoarchitectures for the Development of Hybrid Supercapacitors	Jan. 2019- Dec. 2019	V.V.Vanniaperumal College for Women Managing Board, Virudhunagar	10,500
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V In-house projects guided

Year	UG / PG	Number of Students	Title of the Project
2007-2008	B.Sc. E & C	7	Health Care Information Module
2008-2009	B.Sc. E & C	4	Fiber Optic Communication: EB power Consumption (Billing System)
2010-2011	B.Sc. E & C	5	Microcontroller based Advanced Air Pollution Control system
2011-2012	B.Sc. E & C	6	Mobile Sniffer for the detection of Mobile Usage in restricted Areas
2012-2013	B.Sc. E & C	4	Pollution Controlled Automatic Traffic Control System
2013-2014	B.Sc. E & C	5	Automatic train Controller system
2016-2017	M.Sc. Physics	4	Synthesis and Characterization of CdS Thin Films by Sol – Gel Spin Coating Method
2017-2018	M.Sc. Physics	4	Synthesis and Characterization Studies of CdS & Ag doped CdS Nanoparticles
2018-2019	M.Sc. Physics	2	Ag_2S Spherical Nanostructures: Structural, Morphological and Optical Features
2018-2019	M.Sc. Physics	2	Synthesis and Characterization of CuS & Cd Doped CuS Nanoparticles

VI

Articles published

International Level

1. I.Rathinamala, N.Jeyakumaran, N.Prithivikumaran, *Vacuum*, **161** (2019) 291-296.
2. I.Rathinamala, N.Jeyakumaran, N.Prithivikumaran, *J. Nano. Adv. Mat.*, **5 (2)** (2017) 67-74.
3. I. Rathinamala, A.Saranya, N. Jeyakumaran, N. Prithivikumaran, *Int. J. Nanosci. Nanotechnol.*, **13 (2)** (2017) 159-167.
4. M. Sankareswari, R. Vidhya, P. Malliga, I. Rathinamala, S. Karuthapandian and K. Neyvasagam, *Asian Journal of Chemistry*, **29 (5)** (2017) 1085-1090.
5. I.Rathinamala, N.Jeyakumaran, N.Prithivikumaran, *International Journal of Technical Research and Applications (IJTRA)*, **37** (2016) 47-51.

6. I.Rathinamala, N.Jeyakumaran, N.Prithivikumaran, *Elixir Thin Film Tech.*, **91** (2016) 38073-38076.
7. I.Rathinamala, N.Jeyakumaran, N.Prithivikumaran, *Int. J. Thin Film Sci. Tec.*, 3 (3) (2014) 113-120.
8. P.Malliga, I.Rathinamala, N.Prithivikumaran, K.Neyvasagam, *Int.J. Chem Tech Res.*, **6 (3)** (2014) 2229-2232.
9. I.Rathinamala, N.Jeyakumaran, N.Prithivikumaran, *Int.J. Chem Tech Res.*, **6 (3)** (2014) 1913-1915.
10. I.Rathinamala, N.Jeyakumaran, N.Prithivikumaran, *IEEE Xplore*, (2013) 713-717.
11. I.Rathinamala, N.Jeyakumaran, N.Prithivikumaran, *International Journal of Nano science and nanotechnology*, **4 (1)** (2013) 35-42.
12. I. Rathinamala, I.Manohara Babu, J. Johnson William, G. Muralidharan, N. Prithivikumaran, *Materials Science in Semiconductor Processing*, **105 (104677)** Jan. (2020) 1-8.

National Level

1. I.Rathinamala, N.Jeyakumaran, N.Prithivikumaran, *Multidisciplinary Research Journal of VVV College*, 2 (1) (2014) 309-313.
2. I.Rathinamala, N.Jeyakumaran, N.Prithivikumaran, *College Sadhana-Journal for Bloomers of Research*, **2 (1)** (2009) 36-40.

VII

No. of papers presented in Seminars / Conferences			
International : 6			
National : 4			
Date	Seminar / Conference	Title of the paper	Venue
03.12.2012, 04.12.2012	National Conference on Nanomaterials	Structural and optical properties of nanocrystalline Cds thin films synthesized by sol-gel spin coating technique	Karunya University, Coimbatore.
10.07.2013- 12.07.2013	International Conference on Nanomaterials for Frontier Applications and Indo – Norwegian Workshop on Advanced Materials	Effect Of Sol Aging Time And Annealing Temperature On Physical Properties Of Nanocrystalline CdS Thin Films Coated	Coimbatore Institute of technology, Coimbatore.

	for Solar Cell Applications		
24.07.2013-26.07.2013	International Conference on Advanced Nanomaterials and Emerging Engineering Technologies	Influence of annealing temperature on structural and optical properties of CdS thinfilms prepared by solgel spin coating method	Sathyabama University, Chennai.
10.03.2014-12.03.2014	International Conference on Materials and Characterization Techniques	Investigations on structural and optical properties of CdS films fabricated by spin coating technique for optoelectronic applications	Vellore Institute of Technology, Vellore.
11.12.2015, 12.12.2015	International Conference on Energy, Environment, Catalysis and Sensors	Studies on Cadmium Sulfide/Porous Silicon (CdS/PS) Nanocomposite Structure	Madurai Kamaraj University, Madurai.
29.01.2016	National Conference on Advances in Applied Physics and Material Science	Preparation and Characterization of CdS Nanofilm Via Sol-Gel method at Different Annealing Time	Hindustan University, Chennai.
15.12.2016	International Conference on Renewable energy and environment	Sol-Gel assisted Spin Coated Cadmium Sulphide/Silicon Heterostructure for Biosensor Applications	Shri Ramakrishna Mission Vidyalaya College of Arts and Science Coimbatore.
16.02.2017, 17.02.2017	National Seminar on Curriculum Designing and Skill based Education – Opportunities and Challenges	Skill based education- A passport to better future	ANJAC College, Sivakasi.
28.06.2018, 29.06.2018	National Conference on Energy materials	Sol-Gel Assisted Spin Coated CdS/PS Electrode Based Glucose Biosensor	Manonmanium Sundaranar University, Tirunelveli.
28.01.2019-31.01.2019	International Conference on Nanoscience and Nanotechnology	CdS Microspheres as Promising Electrode Materials for High Performance Supercapacitors	SRM Institute of Science and Technology, Chennai.

VIII No. of Seminars/Conferences/Workshops attended - 43

IX Student - oriented Service

Staff-in-Charge of various activities in the

i. Institution

- ✓ Ward System
- ✓ Youth Welfare
- ✓ House System
- ✓ Placement Cell Member
- ✓ Science Forum
- ✓ Old Students' Association
- ✓ Student Faculty Research Forum
- ✓ IQAC Member
- ✓ House System

ii. Department

Association-in-Charge, Staff & Student activity Register, Extra-curricular activity Register, Participated and Organized Cluster College Joint Faculty Meeting, Department Magazine, Tour-in-Charge, Library-in-Charge, Extension, Parent-Teachers' Association, Class-in-Charge, Value Added Course Co-ordinator, Extra credit course-in-Charge