

## Resume

### I General Information

Name : Mrs.A.Azhagu Parvathi  
 Father's Name : C.Arunagiri  
 Age : 51 Years  
 Designation : Associate Professor  
 Department : Physics  
 Email ID : [alagu6865@gmail.com](mailto:alagu6865@gmail.com)  
 Date of appointment : 29.6.2000  
 Date of retirement : 31.8.2025



### II Educational Qualification

Examination Passed	Board/University	Subject	Year of Passing
SSLC	Board of Secondary Education		1982
PUC/ Higher Secondary	Board of Higher Secondary Education		1984
Bachelor's Degree(B. Sc)	MKU, Madurai	Physics	1987
B.Ed	Bharathiyar University	Physics	1993
Master's Degree	MKU, Madurai with distinction	Physics	1989
M.Phil	Anna University	Physics	1990
Ph.D	MKU, Madurai	Physics	2015
Certificate Course on Computer	Arasan Ganesan Polytechnic, Sivakasi.	BASIC	1985
Certificate Course on Computer	Arasan Ganesan Polytechnic, Sivakasi.	COBOL	1986
Computer Programming Course	Dept. of Applied Science, American College, Madurai.	PASCAL	1988

III Teaching Experience : UG : 23 Years  
 : PG : 5 Years  
 Field of Specialization : Solid State Physics

### Minor Research Project

Topic	Period	Funding Agency	Amount sanctioned in Rs.
Synthesis and Characterization Study of CdS Coated Nano crystalline porous Silicon	2011-2013	UGC	1,17,500

No. of articles published in Journals

International : 7

National : 1

No. of papers presented in Seminars / Conferences

International :

National : 3

No. of articles published in Books / Conference Proceedings :3

**Articles published**

Title of the Article	Name of the Journal	Impact Factor	Database	Citation Index
Non-linear optical properties of a donor hydrogenic impurity in a group II-VI nano-dot,	Elixir Semiconductor <i>Materials</i> 50(2012)10556.	ISSN 2229-712X		
Polaron effects on nonlinear optical properties of a hydrogenic impurity in a CdTe/ZnTe quantum dot	Acta Physica Polonica A Vol.124(4), 706-712, 2013	0.603	SCOP US	
Interband absorption coefficients in a strained Zn <sub>0.2</sub> Cd <sub>0.8</sub> S/ZnS quantum dot,	Elixir Condensed Matter Phys.60 2013, 16407	0.757	SCOP US	
Influence of Anneling Temperature on Structural and Optical Properties of Cds Thin Films Prepared by Sol-Gel Spin Coating Method	IEEE Proceedings 978-1-4799-1377-0/13	5.466	scopus	-
Nonlinear optical properties in a quantum dot of some polar semiconductor	Chin.Phys.Lett. Vol.30(10), 107301, 2013, ISSN:0256-307X	0.811		
Influence of annealing temperature on structural and optical properties of Cds thin films prepared by solgel spin coating method”,	Nanomaterials and Emerging Engineering Technologies, 713-717, 2013, ISBN: 978-1-4799-1377-0			
Numerical model and experimental verification of energy gap dependence on Cd content in a strained Cd <sub>x</sub> Zn <sub>1-x</sub> O quantum dot	Journal of Computational and Theoretical Nano Science Vol.11(7), 1-9, 2014			

Effects of polaron on optical properties of a hydrogenic impurity in a confined Zn <sub>1-x</sub> CdxSe/ZnSe polar quantum dot	2015			
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### Papers presented

Date	Seminar / Conference	Level	Title of the paper	Venue
02.03.2012 03.03. 2012	Seminar on Technologically Important Crystalline and Amorphous Solids (TICAS-2012), sponsored by BRNS, CSIR & DST	National	Effect of polaron on a hydrogen impurity and its nonlinear optical property in a polar quantum dot	Kalasalingam University, Krishnankoil
24.08.2012 – 25.08. 2012	conference on Recent Advancement in Nanoscale Research (NCRNR 2012), sponsored by DRDO, CSIR & ISTE	National	Nonlinear optical properties of a donor hydrogenic impurity in a group II-VI nanodot	Anna University, Chennai, Madurai Region, Madurai
30.01.2013 - 31.01. 2013	Conference on Recent Development in Physics	National	Optical properties in II – VI materials	Government Arts College, Melur, Tamil Nadu
05.02. 2013 - 06.02.2013	Conference on Recent Trends in Advanced Materials sponsored by CSIR	National	Ground state and a few low lying excited state energies of a hydrogenic impurity in a Cd based ZnSe quantum dot	Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, Tamil Nadu

### Articles published in Books / Conference Proceedings

Year	Book title / Conference	ISBN	Article title
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2012	conference on Recent Advancement in Nanoscale Research (NCRNR 2012), sponsored by DRDO, CSIR & ISTE		Nonlinear optical properties of a donor hydrogenic impurity in a group II-VI nanodot
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IV **No. of Seminars/Conferences/Workshops attended- 33**

V **Course attended (Refresher / Orientation / any other )**

Name of the Course	Venue	Duration
Orientation course	Bharathidasan University, Trichy	17.05.2003 – 13.6.2003
Refresher course on formation of Technical Terms.	Tamil University, Thanjavur	9.11.2005 to 29.11.2005
Refresher course on 'Nano Technology and its applications'	MKU Madurai	15.11.2007 to 5.12.2007
Refresher Course on Recent Trends In Physics	M.K.U.	03.11.2009-23.11.2009

VI **Resource person / Chairperson**

Activity	Date	Topic / Theme	Venue	
Guest Lecture	27.02.2012	Effect on Polaron in a II-VI Materials	Department of Physics, Devangar Arts College, Aruppukottai.	
Guest Lecture	14.08.2013	Investigation on Non-Linear Optical Properties in II-VI Semiconductors	Department of Physics, Sri S.Ramasamy Naidu Memorial College, Sattur	
Guest Lecture	16.08.2013	Study of Exciton Binding Energy in Wide band gap material	Department of Physics, E.M.Gopalakrishna kone Yadava Women's College	
Chair person	05.03.2019	Paper Presentation session by Student Faculty Research Forum	V.V.Vanniaperumal college for Women, Virudhunagar	
Resource Person	21.08.2019	Staff- Student Exchange programme -Taking classes for I B.Sc Physics	Devanga Arts College , Aruppukotai	Devanga College Aruppukotai

**VII Seminars / Conferences / Workshops organized**

Date	Level	Theme
09.02.2004	State level	State level seminar on Geophysics and ONGC operation
17.09.2009	National level	National seminar on Emerging technologies in Semiconductor Devices
7.10.2010	Regional level	The Regional Seminar on Recent Advancement In Astro Physics
8.10.2014	National level	Seminar on Recent trends in Astro Physics
01.02.2019	National level	Seminar on Recent trends in Material Science

**VIII**

- i. Any other information (Membership in various academic related bodies / societies / associations)  
Member in IAPT