

RESUME



Name: Dr. C. BHAGYA LAKSHMI
Designation: ASSISTANT PROFESSOR
Department: PHYSICS S -II
Address : St. Xavier's College, Palayamkotti

PERSONAL DETAILS

Date of Birth : 01/12/1990
Qualification : M.Sc., M.Phil., Ph.D.
Designation : Assistant Professor
Department : Physics
Community : GC
Religion : Roman Catholic
Nationality : Indian
Mobile : 8870142137
Email ID : bhag.phy@gmail.com

ACADEMIC QUALIFICATIONS

Degree	Specialization	College	University	Year of Passing
Ph.D	DSSC / PEC/Nanocomposites	SXC, Palayamkottai	MS UNIVERSITY	2023
M.Phil	Nanocomposites	Loyola College, Chennai	MADRAS UNIVERSITY	2014
M.Sc	Nanoparticles	SJC, Trichy	BHARATHIDASAN UNIVERSITY	2013
B.Sc	-	SXC, Palayamkottai	MS UNIVERSITY	2011

ACADEMIC IDENTITY

*VIDWAN ID	726829
*ORCID ID	https://orcid.org/0000-0002-9222-9798
*SCOPUS ID	Scopus ID: 58073309400
*RESEARCHER ID/ PUBLONS ID	bhagya1730
GOOGLE SCHOLAR LINK	https://scholar.google.com/citations?hl=en&user=m7sX42EAAA_AJ Lakshmi, C. Bhagya

TEACHING EXPERIENCE

Date of Appointment	27/11/2026
Date of Retirement	31.12.2050
Teaching Experience	UG 1y 5 m
	PG 1y 5 m
	PU 1y
Research	Guided M Phil: - Guided Ph D: - Guiding Ph Scholar:-

COURSES/CLASSES TAUGHT	NAME OF THE INSTITUTIONS	DURATION		Years
		From	To	
1. UG- Allied Physics	SXC, Palayamkottai	Jun 2015	Mar 2016	10 months
2.PG- Electronics				
3.PG- Classical mech				
4. PG-Opto - electronics				
5.PG- Microprocessor 8086 programming and interfacing				
6. UG-Allied Physics 2	SXC, Palayamkottai	Nov 2025	April 2026	5 months
7. UG-Nano Physics				
8.UG- Environmental studies				
9. UG- Integrated Personality Development				
10. UG- Heat & Thermodynamics				
11.PG- Statistical Mechanics				
12. PG – Condensed Matter Physics				
13. UG- Life issues and Entrepreneurial ship	SXC, Palayamkottai	Jun 2026	till	
14. PG- Classical Mechanics				
15.PG- Astrophysics				
16. PG- Nuclear Particle and Physics				
17. PG- Quantum Physics –II				
PU PHYSICS 1 st Year	Bethel PU COLLEGE, Ramanagara, Bangalore	May 2024	April 2025	1 year
Engg Physics I & II	FX Engineering College, Tirunelveli	June 2014 –	Nov 2014	5 month

AWARDS RECEIVED	
1.	Delivered a BEST ORAL PRESENTATION entitled “Investigation of CuBiSe/V2O5 & CuBiSe/ZnO nanocomposites using hydrothermal method for opto-electronic application.” In the 5th International Conference on recent trends in applied science and technology ICRTAST 2021 held during November 25-28, 2021 organised by Department of Physics, Manonmaniam Sundranar University, Tirunelveli.
2.	BEST ORAL PRESENTATION entitled as “Assessing the Structural & Optical Properties of Synthesized Nb2O5/V2O5/ rGO Nanocomposites.” in the International Conference on "Functional materials for sustainable energy and environment - FMSEE'23 held at Dept of Chemistry & Physics, Lady Doak College for Women, Madurai, Tamil Nadu on 30th & 31st January, 2023.
3.	Delivered a BEST RESEARCH PAPER PRESENTATION entitled “Discussion & Fabrication of ZnO/V2O5 nanocomposite prepared by novel solidstate mixture method as a photoanode material in DSSC device.” In the International Conference on "Advance Science in Engineering (ICASE 2022)" held at A.P.C. Mahalaxmi College for Women, Thoothukudi, Tamil Nadu on 24th & 25th March, 2022.
4.	I Rank M.Phil Gold Medallist – Loyola College, Chennai (2013-2014)
5.	II Rank Best Outgoing Student – SJC, Trichy (2012-2013)
6.	II Rank – B.Sc Physics Proficiency - SXC, Palayamkottai (2010-2011)
7.	I Rank - B.Sc Physics Proficiency - SXC, Palayamkottai (2009-2010)

ADMINISTRATIVE EXPERIENCE			
S. No	DESIGNATION	INSTITUTIONS	YEAR

MEMBERSHIP		
S. No	Designation	Particulars
1.		
2.		
3.		

4.		
5.		

ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE (UGC / HRDC / TLC-PMMNMT ONLY)

S. No	Name of the Training	Name of the Sponsoring Agency	Place and Date
1			
2			
3			
4			
5			

ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE (SXC & Others)

S. No	Name of the Training	Name of the Sponsoring Agency	Place and Date
1	Faculty Induction Program for the newly recruited teaching staff	Higher Education Commission, Jesuit Madurai Province	Sacred Heart College, Shenbaganur, Kodaikanal 02 -05 June 2026
2	Faculty Development Programme on “ Jesuit Education: Innovation in Teaching and Academic Excellence	IQAC, St. Xavier’s College, Palayamkottai.	St. Xavier’s College, Palayamkottai 08 – 12 June 2026
3	An Inter – Institutional Collaborative One-Day Research Publication Workshop”	IQAC, St. Xavier’s College, Palayamkottai.	St. Xavier’s College, Palayamkottai 25 June 2026
4	Staff enhancement and Empowerment Programme	Department of Human excellence	St. Xavier’s College, Palayamkottai 28 Aug 2026
5			

DETAILS OF RESEARCH WORK

Research Stages	Title of the Thesis	University where the work was carried out
COMPLETED	Synthesis and characterization studies on some nanocomposites for opto-electronic applications	Manonmaniam Sundaranar University, Tirunelveli.

AREAS OF RESEARCH
DYE-SENSITISED SOLAR CELL / PHOTO CHEMICAL CELL
NANOCOMPOSITES / NANOMATERIALS

RESEARCH PROJECTS CARRIED OUT			
S. No	Title of the Project (Minor)	Name of the Funding Agency & Amount	Duration
1	SYNTHESIS & CHARACTERIZATION STUDIES OF NANOCOMPOSITES FOR OPTOELECTRONIC APPLICATIONS	TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY (Department of Higher Education, Government of Tamilnadu) TNSCST/RFRS/VR/PS/09/2019-2020 3 lakhs	2 YEARS

PUBLICATIONS				
BOOKS	BOOK CHAPTERS	SCOPUS	WEB OF SCIENCE	UGC LISTED
-	-	3		
OTHER INDEXED	AS A RESOURCE PERSON	PAPERS PRESENTED IN NATIONAL AND INTERNATIONAL SEMINARS	WEBINARS, SEMINARS, WORKSHOPS ATTENDED	
-	-	1	2	

PUBLICATIONS: BOOKS ()			
S. No	Title of the Book	Publication	Year

BOOK CHAPTERS ()			
S. No	Title of the Paper	Name of the Book	ISSN No., Pg.No

PUBLICATIONS: SCOPUS INDEXED JOURNALS (3) WEB OF SCIENCE ()			
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
1	Discussion on structural & optical properties of binary metal selenide/ Nb ₂ O ₅ nano-composites synthesized by hydrothermal method	Materials Today: Proceedings	MaterialsToday:Proceedings64(2022)A3–A6
2	Probing novel photoanodes relying on CuBiSe/metal' oxides nanocomposites-based dye-sensitizing solar cells	Surfaces and Interfaces	SurfacesandInterfaces37(2023)102638
3	Structural, optical and photovoltaic properties of V ₂ O ₅ /ZnO and reduced graphene oxide (rGO)-V ₂ O ₅ /ZnO nanocomposite photoanodes for dye-sensitized solar cells	Carbon Letters	September 2023 Carbon letters 34(1):13-24

PUBLICATIONS: UGC LISTED JOURNALS ()			
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No

PUBLICATIONS: OTHER INDEXED JOURNALS ()			
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor &Pg.No

AS A RESOURCE PERSON (2)			
S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1	INTERNATIONAL WOMEN'S DAY	Department of ECE, SCAD Polytechnic College	Online 29/04/2024

WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP PAPER PRESENTED: National () International ()			
S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
01	Multi Disciplinary Approach in Archaeological Research	Department Of Archaeology and MS University St. Xavier's College, Palayamkottai	St. Xavier's College, Palayamkottai 16,17 Feb 2026

WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP ATTENDED:			
S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1	Advances in Condensed Matter and Applied Physics 26	Dept of Physics, Sadakathullah Appa College, Palayamkottai	Sadakathullah Appa College, Palayamkottai 12 Feb 2026
2	Artificial Intelligence in Practice: From Everyday life to Future innovation	Dept Of Physics S-II, St. Xavier's College, Palayamkottai	St. Xavier's College, Palayamkottai 27 Jan 2026

COUNTRIES VISITED			

EXTRA-CURRICULAR ACTIVITIES/ CO-CURRICULAR ACTIVITIES ATTENDED(NCC/NSS/YRC/SPORTS/LITERARY AND CULTURAL ACTIVITIES)	
CULTURAL: SINGING/ART/ CHOIR	
PRESENTATIONS / EMCEE/ PROGRAM Organising	

Date: 10.09.2026

Name: Dr. C. BHAGYA LAKSHMI