

RESUME



Name : Dr. B. Helina
Designation : Assistant Professor
Department : Physics
**Address : 325, Sri Jeyanthi Nagar East,
V.O.C.Nagar, V.M.Chatram, Palayamkottai-627011.**

PERSONAL DETAILS

Date of Birth : 12/11/1971
Qualification : M.Sc., B.Ed., M.Phil., Ph.D.
Designation : Assistant Professor
Department : Physics
Religion : Christian
Nationality : Indian
Mobile : 9994025814
Email ID : helinafredy@gmail.com

ACADEMIC QUALIFICATIONS

Degree	Specialization	College	University	Year of Passing
B.Sc.	Physics	J.A.College, Periakulam	Madurai Kamaraj University	1995
M.Sc.	Physics		Annamalai University	1999
M.Phil.	Ultrasonics		Madurai Kamaraj	2007

			University	
Ph.D.	Crystal Growth		Manonmaniam Sundaranar University	2013

ACADEMIC IDENTITY

*VIDWAN ID	284041
*ORCID ID	https://orcid.org/ 0000-0003-1780-8260
*SCOPUS ID	
*RESEARCHER ID/ PUBLONS ID	
GOOGLE SCHOLAR LINK	https://scholar.google.co.in/citations?user=boGFEGsAAA&hl=en

TEACHING EXPERIENCE

Date of Appointment	01/07/2014
Date of Retirement	30/11/2031
Teaching Experience	UG - 08
	PG - 06
	M.Phil. - NIL
Research	Guided M Phil: NIL Guided Ph D: NIL Guiding Ph Scholar: 04

COURSES/CLASSES TAUGHT	NAME OF THE INSTITUTIONS	DURATION		Years
		From	To	
-	-	-	-	-

AWARDS RECEIVED

1.	Best Paper Presentation at UGC sponsored National Seminar on New Materials Research and Nanotechnology (NSNMRN – 2012), Department of Physics, Government Arts College, Ooty, 12-14 September - 2012.
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ADMINISTRATIVE EXPERIENCE			
S. No	DESIGNATION	INSTITUTIONS	YEAR
1.	Assistant Professor	V.O.C. College, Thoothukudi.	2009-2014
2.	Assistant Professor	St.Xavier's College, Palayamkottai.	2014 to Till date

MEMBERSHIP		
S. No	Designation	Particulars

ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE ()

S. No	Name of the Training	Name of the Sponsoring Agency	Place and Date
1	Orientation Programme	UGC-Human Resource Development Centre, Madurai Kamaraj University.	05/02/2020 to 25/02/2020
2.	FDP	Teaching Learning Centre, Ramanujan College, University of Delhi	18.05.2020 to 03.06.2020
3.	Refresher Course	Teaching Learning Centre, Ramanujan College, University	27.10.2021 to 10.11.2020

DETAILS OF RESEARCH WORK

Research Stages	Title of the Thesis	University where the work was carried out
M.Phil.	Acoustic Study of Organic Liquids & Liquids Mixtures	Madurai Kamaraj University
Ph.D.	Studies on Growth and Characterization of Single Crystals of γ -Glycine and Some Glycine Complexes.	Manonmaniam Sundaranar University

RESEARCH PROJECTS CARRIED OUT			
S. No	Title of the Project (Minor)	Name of the Funding Agency & Amount	Duration
	-	-	-

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

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 () WEB OF SCIENCE ()

S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
01.	Structural, optical, thermal, mechanical and dielectrical characterizations of γ -glycine crystals grown in strontium chloride solution.	Physica Scripta	ISSN No. 0031-8949, Volume 85, Issue 5. PP. 055803.
02.	Synthesis, Growth and Characterization of semi-organic non-linear optical Triglycine phosphoric acid (TGPA) single crystals.	Journal of Advanced Applied Scientific Research (JOAASR)	ISSN: 2454-3225, Vol-1-9, March-2017: Pg.34- 38.

PUBLICATIONS: UGC LISTED JOURNALS ()

S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
01.	Growth and characterization of the semiorganic nonlinear	Optik	Volume 127, Issue 3, Pages 1401-1404

optical crystal: Diglycine ammonium sulfate		
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PUBLICATIONS: OTHER INDEXED JOURNALS ()			
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor &Pg.No
01.	Structural and Optical Properties of Pure and Cobalt Doped Tin Oxide Nanoparticles	EPR	ISSN: 2455-7838, Volume 4, Issue 9, IF – 6.260, Pg. No.
02.	Antibacterial Effect of Silver Nanoparticles obtained by Green Synthesis Method using Millettia Pinnata aqueous extract	EPR	ISSN: 2455-7838, Volume 4, Issue 9, IF – 6.260, Pg. No.61-67.
03.	Studies on growth and various properties of Urea doped tetra glycine barium chloride crystals.	National Seminar on New Materials Research and Nano Technology. (2012)	ISBN No. 978-93-81104-23-1 Pg. 342 – 345. 6
04.	Synthesis, Growth and Characterization of Ammonium Chloride Doped Tris-Thiourea Zinc Sulphate Single Crystals	International Conference on Research in Condensed Matter Physics.	ISBN No.978-93-82062-63-9 (2012) Pg. 244-247.
05.	Growth and Characterization of Tetra glycine barium chloride crystals doped with strontium chloride.	International Conference on Advanced Materials.	ISBN No. 9-788190-949019. (2012) Pg. 235 – 239.

AS A RESOURCE PERSON (26)			
S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
01.	Star College Programme	Department of BioTechnology, Govt. Of India, New Delhi.	St.Xavier's College, Palayamkottai. 22/01/2015
02.	National Conference	Recent Developments in Effective Materials – REDEEMS '18	Sarah Tucker College, Palayamkottai. 19/02/2018
03.	Physics Association	Applications, Advances and Issues on Nano-Materials	St.Mary's College, Thoothukudi 17/12/2018
04.	UGC- National Seminar	Emerging Trends in Physics (NSETP-2019)	Sadakathullah Appa College, 10&11/01/2019

05.	UGC-National Seminar	Emerging Trends in Physics (NSETP-2020)	Sadakathullah Appa College, Tirunelveli. 28 & 29/02/2020
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WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP PAPER PRESENTED: National () International ()			
S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
01.	National Seminar	UGC	V.H.N.Senthikumara Nadar College, 24&25/01/2017
02.	National Seminar	UGC	Sadakathullah Appa College, 06/03/2017

WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP ATTENDED:			
S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
01.	Orientation Programme	IQAC	St.Xavier's College, Palayamkottai. 05/07/2014
02.	Orientation Programme	IQAC	St.Xavier's College, Palayamkottai. 21/08/2014
03.	National Seminar	NAAC-IQAC	St.Xavier's College, Palayamkottai. 29&30/01/2015
04.	International Conference	Department of Physics,	St.Mary's College, Thoothukudi 11/02/2015
05.	Workshop	TEQIP II	Thiagarajar College of Engineering, Madurai. 05&06/11/2015
06.	International Conference	School of Human Excellence	Loyola College, Chennai. 03 to 05/02/2016
07.	State-Level Seminar	TANSICHE	St.Xavier's College, Palayamkottai. 11/03/2016
08.	Orientation Programme	IQAC	St.Xavier's College, Palayamkottai. 14&15/06/2016
09.	Seminar	IQAC	St.Xavier's College, Palayamkottai. 30/09/2016

10.	Orientation Programme	IQAC	St.Xavier's College, Palayamkottai. 19&20/06/2017
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COUNTRIES VISITED			
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EXTRA-CURRICULAR ACTIVITIES/ CO-CURRICULAR ACTIVITIES ATTENDED(NCC/NSS/YRC/SPORTS/LITERARY AND CULTURAL ACTIVITIES)			

Date: 14/07/2022

Name: Dr. B. Helina