

## RESUME



**J. DAISY MAGDALINE**  
Assistant professor of Physics,  
Rani Anna Government College for Women  
Tirunelveli -627 008  
TAMILNADU

### PERSONAL DETAILS

Date of Birth : 25.05.1968  
Qualification : M.Sc., M.Phil., Ph.D  
Designation : Assistant professor  
Department : Physics  
Community : BC  
Religion : Christian  
Nationality : Indian  
EmailID : sugunajose@gmail.com

## ACADEMIC QUALIFICATIONS

Degree	Specialization	College	University	Year of Passing
Under Graduate	Physics	Lady Doak college, Madurai	Madurai Kamaraj University	1988
Post Graduate	Physics	Nesamony Memorial Christian college	Madurai Kamaraj University	1990
Master of Philosophy	XRD		Madurai Kamaraj University	1991
Doctor of Philosophy	Molecular Spectroscopy		Manonmanium Sundaranar University	2014

## TEACHING EXPERIENCE

<b>Date of Appointment</b>	09.07.2009
<b>Date of Retirement</b>	25.05.2026
<b>Teaching Experience</b>	Government/Government- Aided
U.G. Level	15 years
P.G. Level	8 years
<b>Research</b>	4 years

COURSES/ CLASSES TAUGHT	NAME OF THE INSTITUTIONS	DURATION		Years
		From	To	
<b>U.G.</b> (B.Sc.Physics Major & Ancillary)	Arignar Anna Government Arts college College, Cheyyar	09-07-2009	16-07-2010	15 years
	Rani Anna Govt. College(W), Tirunelveli	17-07-2010	Till date	
	Womens Christian college, Nagercoil	29-06-2005	27-03-2008	
<b>P.G.</b> (M.Sc.,Physics)	Rani Anna Govt. College(W), Tirunelveli	July 2013	Till date	8 years

<b>ORIENTATION/REFRESHER COURSES/FACULTY DEVELOPMENT PROGRAMME UNDERGONE(0)</b>			
<b>S.No</b>	<b>Name of the Training</b>	<b>Name of the Sponsoring Agency</b>	<b>Place and Date</b>
1	Orientation Programme	Academic Staff College, University of Madras.	Madras 09.07.2009-05.08.2009
2	Refresher Course in Physics	Academic Staff College, University of Madras.	Kerala 03.01.2013-23.01-2013
3	Refresher course in women studies	Academic Staff College, University of Madras.	Madras 02.02.2017-22.02.2017
4	Refresher course in women studies	University of Hyderabad	Hyderabad 17.01.2019-06.02.2019
5	Refresher course/Faculty development programme on Advanced Research Methodology	Teaching learning centre, Ramanujan college University of Delhi	Delhi 20.08.2021-03.09.2021
6	Refresher course on Managing online classes & MOOCs 21.0	Teaching learning centre, Ramanujan college University of Delhi	Delhi 07.12.2022-21.12.2022
	<b>*Note 1.</b>	<b>Please refer to 6.4(B) of UGC Regulations 2018, issued on 18.07.2018, Page No.80-82, and G.O. (Ms). No.5, dated 11.01.2021, Page No. 37-40, regarding the list of courses/programmes that shall be considered as eligibility criteria for CAS for college teachers.</b>	
	<b>2.</b>	<b>As referred to in G.O. (Ms). No.5, dated 11.01.2021, Page No. 37, under para 6.3. VIII, the requirement for RC and OC for promotion due under CAS shall not be mandatory upto 31<sup>st</sup> December 2018.</b>	

<b>DETAILS OF RESEARCH WORK</b>		
<b>Research Stages</b>	<b>Title of the Thesis</b>	<b>University where the work was carried out</b>
Ph.D	SPECTRAL STUDIES AND NORMAL COORDINATE ANALYSIS OF SOME HETEROCYCLIC COMPOUNDS	Manonmanium Sundaranar University, Tirunelveli.

<b>AREAS OF RESEARCH</b>
Molecular Spectroscopy

<b>PUBLICATIONS</b>				
<b>BOOKS</b>	<b>BOOK CHAPTERS</b>	<b>SCOPUS INDEXED</b>	<b>WEB OF SCIENCE</b>	<b>UGC LISTED</b>
<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>5</b>
<b>OTHER INDEXED</b>	<b>ASA RESOURCE PERSON</b>	<b>PAPERS PRESENTED IN NATIONAL AND INTERNATIONAL SEMINARS</b>	<b>WEBINARS, SEMINARS, WORKSHOPS ATTENDED</b>	<b>PATENT</b>
<b>5</b>	<b>0</b>	<b>17</b>	<b>0</b>	

<b>PUBLICATIONS: SCOPUS INDEXED JOURNALS (3) WEB OF SCIENCE (0)</b>			
<b>S.No</b>	<b>Title of the Paper</b>	<b>Name of the Journal</b>	<b>ISSN No., Volume, Issue, Impact factor &amp; Pg. No</b>
1.	Vibrational Spectroscopic Investigations, Conformational Study, Natural Bond Orbital and HOMO-LUMO Analysis of 2-Benzoyl thiophene	Asian Journal of Chemistry	ISSN No:0970- 7077, 27 (12), 4.568, 4600-4610.
2	Molecular Structure, Spectroscopic Studies, Homo-Lumo Profile And Nbo Analysis Of 3-Ethoxy-4-Hydroxy Benzaldehyde	Rasayan Journal of chemistry	ISSN: 0974-1496, 8 (4), 0.333, 490-508
3	Spectroscopic (FT-IR, FT-Raman, NBO) investigation and molecular docking study of a herbicide compound Bifenox	Chemical Data Collections	ISSN:2405-8300, 27, 0.217, 100393

<b>PUBLICATIONS:UGC LISTED JOURNALS (5)</b>			
<b>S.No</b>	<b>Title of the Paper</b>	<b>Name of the Journal</b>	<b>ISSN No.,Volume, Issue, Impact factor &amp; Pg. No</b>
1	Theoretical investigation of structure, anticancer activity and molecular docking of thiourea derivatives	Journal of Molecular structure	ISSN No: 0022-2860, Volume. 1225, Impact factor. 3.841 & 129118.
2	Comparative spectral (FT-IR, FT-Raman, UV) investigations, HOMO–LUMO, NBO and <i>in-silico</i> docking analysis of Nikethamide, niazid and 2-Mercaptonicotinic acid	Journal of Molecular structure	ISSN No: 0022-2860, Volume.1252, Impact factor. 3.841 & 132032.
3	Quantum chemical evaluation, QSAR analysis, molecular docking and dynamics investigation of s-triazine derivatives as potential anticancer agents	Structural Chemistry	ISSN No: 1040-0400, Volume. 33, Impact factor. 1.795 & 2083-2113.
4	Vibrational frequency Analysis, DFT and in Vitro Fungicidal Activity Studies of Biphenyl-4-Carboxylic acid, 2,4-Difluorobiphenyl and 4-Acetylbiphenyl- A Comparative Study	Polycyclic Aromatic Compounds	ISSN No: 1040-6638 Impact factor. 2.195
5	Structural elucidation, Spectroscopic investigation, in silico docking and in vitro cytotoxicity studies of chromone derivatives as potential anti-breast cancer agents	Journal of Molecular structure	ISSN No: 0022-2860, Volume. 1284, Impact factor. 3.841 & 135306.

<b>PUBLICATIONS:OTHER INDEXED JOURNALS (0)International:4 National: 2</b>			
<b>S.No</b>	<b>Title of the Paper</b>	<b>Name of the Journal</b>	<b>ISSNNo.,Volume,Issue,Impactfactor&amp;Pg.No</b>
1	Vibrational Spectra (FT-IR, FT-Raman), NBO and HOMO, LUMO Studies of 2-Thiophene Carboxylic Acid Based On Density Functional Method	IOSR Journal of Applied Chemistry	ISSN: 2278- 5736, 8(5), 5.149 & 6-14.
2	Quantum Chemical Calculations on Vibrational and Electronic Structure Of 3-(4-Methoxybenzoyl) Propionic Acid	IOSR Journal of Applied Chemistry	ISSN: 2278- 5736, 11, 3, 5.149 & 42-53.
3	Density functional theory, Comparative vibrational spectroscopic studies, HOMO-LUMO, and NBO analysis of Trichloroisocyanuric acid and Trithiocyanuric acid	Journal of Advances of Physics	ISSN: 2347- 348, 2015, 8(3), 2197-2221.
4	FT-IR, FT-Raman and DFT Investigation, NBO Analysis, HOMO and LUMO Analysis of 2-Furoyl Chloride	International Journal of Chem Tech Research	ISSN: 0974- 4290 2015, 8(3), 0.515 & 362-371.
5	Molecular Spectroscopic Characterization and Electronic Structure Analysis of N- benzylaniline- A DFT Approach	Journal of Advances of Physics	ISSN: 2347- 3487, 2015, 8(3) 2156-2175.
6	Natural bond orbital analysis and Vibrational spectroscopic studies of 2 – furoic acid using density functional theory	Indian Journal of Pure and Applied Physics	ISSN: 0019- 5596 2012, 50, 7-13.

<b>WEBMINARS/SEMINARS/CONFERENCES/SYMPOSIA/WORKSHOP PAPER PRESENTED:National(6)International(5)</b>			
<b>S.No</b>	<b>Name of the Event</b>	<b>Name of the Sponsoring Agency</b>	<b>Place and Date</b>
1	International Conference on perspectives in vibrational spectroscopy (ICOPVS 2014)	UGC, KSCSTE, DAE.	Tiruvandrum 8-12 July 2014.
2	National Conference on Spectro Physics” organized by Indian Spectro Physics Association (ISPA) in collaboration with Research Department of Physics	UGC and CSIR	Chennai 7th &8th March 2012.
3	National seminar Recent Advancements in Materials	CSIR	Nagercoil 2013.
4	International conference on frontiers of spectroscopy (ICFC-2015)	UGC, DST, DRDO and CSIR.	Lucknow 10-12 January 2015
5	National Conference on Spectrophysics	UGC	Nagercoil 30-31 <sup>st</sup> January 2015
6	National seminar on emerging trends in physics (NSETP-2019)	Sadakathullah Appa College	Tirunelveli and 10 & 11 <sup>th</sup> January 2019
7	National Symposium on recent advances in physical science	Rani Anna Govet.College for women	Tirunelveli and 18 <sup>th</sup> March 2019
8	International conference on Advanced materials in association with Indian Association for crystal growth (IACG)	Aditanar college of Arts and Science	Tiruchendur and 26 <sup>th</sup> August 2019
9	International conference on sustainable technologies in healthcare and environment (INCHE-2020)	Kamaraj College of Engineering and Technology	Viruthunagar and 6 &7 <sup>th</sup> March 2020
10	International conference on emerging materials and its applications	St. Xavier’s College	Palayamkottai and 1 <sup>st</sup> March 2022
11	National conference on recent trends in physics		Tirunelveli and 16 <sup>th</sup> March 2023

**WEBMINARS/SEMINARS/CONFERENCES/SYMPOSIA/WORKSHOP ATTENDED:4**

<b>S. No</b>	<b>Name of the Event</b>	<b>Name of the Sponsoring Agency</b>	<b>Place and Date</b>
1	National seminar on Environment and atmospheric science	UGC	Nagercoil 7 <sup>th</sup> & 8 <sup>th</sup> February 2013.
2	Ninth DAE-BRNS National Laser Symposium (NLS -09)	Bhabha Atomic Research centre	Mumbai 13to16 <sup>th</sup> January 2010.
3	National conference on Recent and emerging developments in physics	UGC	Nagercoil-629001, on 7 <sup>th</sup> & 9 <sup>th</sup> January 2010
4	Capacity building of women managers in higher education Sensitivity /Awareness/ Motivation Workshop	UGC	Thoothukudi. 18 <sup>th</sup> & 22 <sup>nd</sup> October 2012

Date: 04/07/2023

NAME : **J. DAISY MAGDALINE**