

The American College, Madurai
FACULTY PROFILE

Name : W. HANNAH BLESSY

Date of Joining : 02.07.2015

Designation : Lecturer

Department : Physics (SF)

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Mobile

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I. Education Qualification:

Degree	Subject	College/University &Place	Year Completed
Ph.D. (Pursuing)	Physics	Madurai Kamaraj University, Madurai	Pursuing Since 2018
M. Phil.	Physics	Madurai Kamaraj University, Madurai	2010
M. Sc.	Physics	Madras Christian College, Chennai	2006
B. Sc.	Physics	Lady Doak College, Madurai	2004

Specialization in Research:

Vibrational Spectroscopy, Solar Physics

Research Interests:

Vibrational Spectroscopy, Solar Physics

Any Other Work Experience:

Designation	Institution / Company	Year – From (month/year) To (month/year)
Lecturer	PG & Research Department of Physics, Lady Doak College, Madurai	Nov 2006 - Feb 2007
Junior Research Fellow	PG & Research Department of Physics, Lady Doak College, Madurai	Feb 2007 - Nov 2009
Lecturer	Department of Physics (SF), NMSSVN College, Nagamalai, Madurai	Sep 2010 - Dec 2010
Assistant Professor	Department of Physics, Fatima Michael College of Engineering & Technology, Madurai	June 2011 - May 2012 & Feb 2013 - Feb 2014
Lecturer	Department of Physics, Fatima College, Madurai	June 2014 - July 2014
Lecturer	Department of Physics, Yadava College, Madurai	July 2014 - April 2015

Administrative / Academic Position/s (held / currently holding):

Positions held / currently holding	Year – From (month/year) To (month/year)
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Membership in Professional Bodies:

(Include Board of Studies/ journal/ article)

Positions held / currently holding in Professional Body	Year – From (month/year) To (month/year)
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Publications:

(List to be given with complete bibliography with impact factor if any) *mention: Peer Review Journals/ Non-Peer Review Journals/ e-Journals / Conference proceedings*

Articles Published in International Journals:

1. C. Anzline, S. Israel, R. Niranjana Devi, P. Richard Rajkumar & **W. Hannah Blessy** (2014)

Molecular structure, vibrational spectroscopic and site selectivity studies in 5-amino-3-methyl-1,2-oxazole-4-carbonitrile using DFT Technique, Journal of Research in Science. ISSN: 2278-9073, Vol. 2, 35-39.

2. R. Niranjana Devi, S. Israel, C. Anzline, P. Richard Rajkumar & **W. Hannah Blessy** (2014)

Elucidation of reactivity descriptors for 2-mercaptobenzoic acid using Density Functional Theory approach, Journal of Research in Science. ISSN: 2278-9073, Vol. 2, 25-30.

Articles published in National Journals:

Books:

With ISBN No

Without ISBN No.

Chapters in Edited Books

Conference / workshop/ Seminar Presentations:

Name of the Seminar/Conference/Symposia Workshop etc.,	Name of the Sponsoring Agency	Title of paper	Institution, Place and Date

Lectures / Talks given:

(List the title of the lecture / talk, date, institution and place)

Name of the Seminar/Conference/Symposia Workshop etc.,	Name of the Sponsoring Agency	Title of paper	Institution, Place and Date

Served as experts, chairpersons or resource persons

Name of the Seminar/Conference/Symposia Workshop etc.,	Name of the Sponsoring Agency	Institution, Place and Date

Awards / Fellowships:

Research awards/ recognitions received by faculty and research fellows

	Name of the award/ fellowship	year
International		
National	1. Junior Research Fellowship from DST at PG & Research Department of Physics, Lady Doak College, Madurai (Feb 2007 - Nov 2009)	2007
	2. Summer Research Fellowship at the Indian Institute of Science, Bangalore, funded by the Jawaharlal Nehru Centre for Advanced Scientific Research (2005)	2005
State		
University		
Dist		

College		
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No. of patents received

Type of Patent		Number	Year
National	Applied		
	Granted		
International	Applied		
	Granted		
Commercialized	Applied		
	Granted		

Ph. D Guideship status

Ph.D/ M.Phil	Reg.No	Date of Registration	University

Research activities of the student under guideship

Title	M. Phil / M.Sc/ B.Sc	Please tick if it is collaborative

Investigations on Coronal Mass Ejections in the 24 th Solar Cycle	M.Sc.	
Growth and Characterization of Aminoacid-doped KDP crystal	M. Sc.	
A study on Coronal Mass Ejections of the 23 rd Solar Cycle	B. Sc.	
A study on Concentration dependence of liquid binary mixtures using Raman Spectroscopy	B. Sc.	
A study on Concentration dependence of liquid binary mixtures using FTIR Spectroscopy	B. Sc.	

If you are guiding Ph.D., students, please mention the name of the student and the title of the Ph.D., Thesis: (Please attach separate sheet/s, if needed)

Completed:

Candidate Name	University & Reg.No	Date of viva-voce	Title of the thesis	Full time/ Part time

Ongoing:

Name	University & Reg.No	Date of registration	Title of the thesis	Full time/ Part time

No. Research scholars receiving/ received Fellowships

	FUNDING AGENCY/ YEAR					
JRF						
SRF						
PROJECT						
ANY OTHER						

Projects:

Major Project:

Title	Funding agency	Year of Award/ Period	Amount Awarded Rs.	Status of the project- Completed/ Ongoing/ Submitted	Co-investigator, if any	Interdisciplinary Project or not

Minor Project:

Title	Funding agency	Year of Award/ Period	Amount Awarded Rs.	Status of the project- Completed/ Ongoing/ Submitted	Amount Recieved Rs.	Interdisciplinary Project or not

Overseas Academic Visits:

(Please give details on: Nature of the visit – Fellowship, Teaching or Exchange Programme, / Institution / Country / Duration of Stay / Year of Visit)

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| <ul style="list-style-type: none"> ▪ 6-week training programme - <i>International Partnership for Service Learning</i> (IPSL, New York) held at Trinity College, Philippines (2003), organized for participants from 8 countries of the Asia-Pacific region focusing mainly on Youth Leadership, Theology, Contemporary Social Issues, Community Service and exposure to various social organizations. |
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Extension activities:

Any other activities / information / academic credentials you would like to mention:

Attended the following conferences / seminars/ workshops/internship programmes:

- Attended an **International (COSPAR)Capacity Building Workshop** on "Coronal and Interplanetary Shocks: Analysis of data from Spaceand Ground based instruments" atKodaikanal, India, from January 6 to January17, 2020.

- Workshop on 'Materials Preparation and Characterization Techniques' held at PSG College of Arts & Science, Coimbatore on 1st & 2nd November 2019
- **UGC sponsored National Conference on 'Recent Trends in Quantum Chemistry'** held at Nesamony Memorial Christian College, Marthandam during December 2014
- **UGC sponsored 'Orientation Programme for Teachers'** held at Yadava College, Madurai during August 2014
- Advanced level **International workshop** on Nanoscience and Technology held at Anna University, Chennai during Feb 2009
- **National level conference** on 'Emerging Areas in Thin Film Science and Technology : MEMS and Nanotechnology' held at PSG College of Technology, Coimbatore during Feb 2009
- **State level seminar** on 'Thinfilms and their applications' held at LadyDoakCollege, Madurai during Feb 2009
- **State level seminar** on 'Recent Advances in Spectroscopy' held at KandaswamiKandar's College, Namkkal during Jan 2009
- **2nd International Conference** on Perspectives in Vibrational Spectroscopy held at MarIvaniosCollege, Trivandrum during Feb 2008
- **International Pre-Conference** on Chemometrics Tutorial held at MarIvaniosCollege, Trivandrum during Feb 2008
- **Won the 1st prize for paper presentation** at the 10th **state level technical seminar** in Physical Sciences for PG & M.Phil students held at Meenakshi College, Chennai organized by ISPA (Feb 2008)
- **National level seminar** on 'Thrust Areas in Nano Technology' held at Fatima College, Madurai during Jan 2008
- **UGC sponsored State level conference** on 'Nanomaterials' held at SFR College for Women, Sivakasi during Mar 2007
- **State level seminar** on 'Nonlinear Optics and Nonlinear Dynamics' held at LadyDoakCollege, Maduraiduring Feb 2007
- **Presented a paper** on 'A study on simple nonlinear systems' at the 8th **state level technical seminar** in Physical Sciences for PG & M.Phil students held at the Presidency College, Chennai organized by ISPA (Mar 2006)
- **2-months (National Level) Summer Research Internship programme** on 'Numerical Methods in Physics' at the Indian Institute of Science, Bangalore, funded by the Jawaharlal Nehru Centre for Advanced Scientific Research (2005)

External Examiner for End-of-Semester Examination:

1. Yadava College, Thiruppalai, Madurai, Tamilnadu
2. Arul Anandar College, Karumathur, Madurai District, Tamilnadu