

The American College, Madurai
FACULTY PROFILE

Name : S. SHARMILA RUTH EBENEZAR
Designation : ASSISTANT PROFESSOR
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Date of Joining : JUNE 21, 2019
Department : PHYSICS
Mobile :8124012716



I. Education Qualification:

Degree	Subject	College/University &Place	Year Completed
B.Sc.	Physics with Computer Application	Lady Doak College, Madurai	2013
M.Sc.	Physics	Lady Doak College, Madurai	2015
M.Phil	Physics	Lady Doak College, Madurai	2016
SET 2018	Physical Science	Conducted by Mother Teresa Women's University, Kodaikanal	2018

Specialization in Research:

Non Linear Dynamics, Nano Science

Research Interests:

Non Linear Dynamics, Nano Science, Crystal Growth

Membership in Professional Bodies:
 (Include Board of Studies/ journal/ article)

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

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:

Sl. No.	Title of the paper	Title of the proceedings of the conference	Name of the conference	Year of publication	ISBN/ISSN number of the proceeding
1	Synthesis and Characterization of Amino Acid Doped KBr Crystals by Slow Evaporation Technique	Proceedings of the International Conference on Physics of Advanced Materials and Molecules	International Conference on Physics of Advanced Materials and Molecules	2020	

Articles published in National Journals:

Sl. No.	Title of the paper	Title of the proceedings of the conference	Name of the conference	Year of publication	ISBN/ISSN number of the proceeding
1	Preparation and Characterization of Zn doped MnO ₂ nano particles for studying the electro chemical capacitor behaviour	National Conference on Energy Science and Technology (NCEST-2020)	National Conference on Energy Science and Technology (NCEST-2020)	2020	978-81-933793-3-2
2	Effects of Amino Acids Doped with KCL Crystal by Slow Evaporation Techniques	24th National Seminar on Crystal Growth and Applications	24th National Seminar on Crystal Growth and Applications	2020	

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
National Conference on Empowerment of Rural Communities Through Innovations in Science and Technology	Indian Science Congress Association, Kolkata	Synthesis and Characterization of Activated Carbon From Tea Waste Using Chemical Activating Agent	Kongunadu Arts and Science College, Coimbatore, 21 st and 22 nd February, 2020.
24 th National Seminar on Crystal Growth and Applications	Indian Association for Crystal Growth	Effects of Amino Acids Doped with KCl Crystal by Slow Evaporation Technique	Periyar University, Salem, 3 rd – 5 th February, 2020.
International Conference on Physics of Advanced Materials and Molecules	Indian Spectro Physics Association	Effects of Amino Acids Doped with KBr Crystal by Slow Evaporation Technique	Dr. Ambedkar Government Arts College, Chennai, 30 th & 31 st January, 2020.
National Conference on “Smart Materials”		Synthesis of AgNPs of <i>Cuminumcuminum</i> seed extract, Characterization and Antimicrobial Activity	Lady Doak College, Madurai, 23 rd & 24 th February, 2016
Regional Interactive Seminar “Thrust Area in Radio Astronomy”		Radio Telescope	Lady Doak College, Madurai, 3 rd March, 2015.
State Level Students’ Seminar		Evolution of Universe Theories and Experiments	Thiagarajar College (Autonomous), Madurai, 28 th February, 2014.

Webinars Attended

S.No.	Name of the Webinar, Title, Place, Date	National / International
1.	Indian Summer School on "Crystal Growth", SSN Research Centre, SSN Institution Chennai, 14.05.2020 to 23.05.2020	International
2.	International level Covid-19 Pamdemic webinar on "Functional Materials for Electrochemical Sensors and Energy Storage Devices", Thiagarajar College, Madurai, 15.05.2020	International
3.	Webinar on "Supercapacitors: New Age Energy Storage Devices", Department of Physics, AyyaNadarJanakiAmmal College, Sivakasi, 19.05.2020	National
4.	Online training on "Mathematical Skills for Competitive Exams", PG and Research Department of Mathematics, Raja Doraisingam Government Arts College, Sivagangai, 25.05.2020 - 31.05.2020	National
5.	National Webinar on "Nonlinear Optical behavior of Nanomaterials", Department of Physics, Lady Doak College, Madurai, 28.05.2020	National
6.	Series of online lectures in "Solid State Physics - Series 1: Electrons in Solids", Department of Theoretical Physics" University of Madras, Chennai, 01.06.2020 - 04.06.2020	National
7.	Webinar on "Emerging Trends in Nano-Materials for Microwave Integrated Elctronics and Cancer Applications", Department of Basic Sciences & Humanities, GMR Institute of Technology, Rajam, Andhra Pradesh, 04.06.2020	National
8.	Webinar on "Women at Risk Blossoms!", Ladies club of the American College, Madurai, 09.06. 2020	National
9.	International webinar on "Recent Trends in Advance Material Science", PG and Research Department of Physics, The American College, Madurai, 19.06.2020	International
10.	Webinar on "Preparation of Files for NAAC Accreditation", IQAC Cell, Providence College for Women, Coonoor, 18.07.2020	National

Lectures / Talks given:

(List the title of the lecture / talk, date, institutionand 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		
State		
University		
Dist		
College		

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
Synthesis and Characterization of Activated Carbon From Tea Waste Using Chemical Activating Agent	M.Sc.	
Growth and Characterization of KBr – KCl Doped with Zinc Sulphide Crystal	M.Sc.	
Solar Tracker And Soil Moisture Sensor Using Arduino	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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Extension activities:**Any other activities / information / academic credentials you would like to mention:**

Served as an Organizing Secretary in National Level Online Quiz on “Higher Order Thinking Skills in Physics – HOTS QUIZ 2020”, organized by Department of Physics (SF), The American College, Madurai, held during 9th and 10th July 2020.

Orientation Program**Refresher Course**