

The American College, Madurai
FACULTY PROFILE
(For IQAC)

Name : S.VANI PRIYADHARSHINI **Date of Joining** : 15.07.2011
Designation : Assistant Professor (SF) **Department** : Physics
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I. Education Qualification:

Degree	Subject	College/University &Place	Year Completed
B.Sc.,	Physics	Sourashtra College , Madurai.	2005
M.Sc.,	Physics	Madura College, Madurai.	2007
B.Ed.,	Physical Science	P.S.R. College of Education	2008
M.Phil.,	Physics	The American College, Madurai	2010
Pursing Ph.D	Physics	(Part-Time) Under the Guidance of Dr.K. Neyvasagam, Associate Professor, Dept.of Physics, The Madura College, Madurai.	Pursing

Qualified Tamil Nadu State Eligibility Test (TNSET) for Assistant Professor held on 23rd April 2017 in the subject Physical Science Conducted by Mother Teresa Women's University, Kodaikanal.

Work Experience:

Working as Assistant Professor in the Department of Physics, The American College, Madurai since 2011 handling P.G and U.G classes.

Specialization in Research:

- **Thin Film Physics**

Research Interests:

- Fabrication & Structural investigations of Thin Films.
- Synthesis of nanoparticles and studying their applications.
- Crystal growth by slow evaporation method.

Participation in Seminar/ workshops:

University /college & place	Date	Title	Status
Madurai Kamaraj University ,Madurai	19 th November 2014	One day Workshop on materials characterization Technique: AFM &XRD	Participated
Bharathidasan University, Tiruchirapalli	20 th January 2015	International Workshop on “Strongly Correlated Materials”	Participated
The American College, Madurai	14 th August 2015	One day National seminar on “Recent trends in energy technology”	Participated
The American College, Madurai.	19 th August 2016	One day workshop on “ Astronomy & Astrophysics”	Participated

On-line participation in Webinar /Faculty Development Programme:

University /college & place	Date	Title	Status
The American College	27.5.2020	Webinar Organized by Ladies Club, The American College, Madurai.	Participated
Loyola College	29.5.2020	One day Webinar on “Global Nanotech for Future Advancement”	Participated
Sathayabama Institute of Science & Technology	1.6.2020 & 2.6.2020	(Webinar) “International Virtual Seminar on Emerging Technologies in Energy conversion & storage”	Participated
GRT Institute of Engineering and Technology	3.6.2020	Webinar on “Growth and Investigation of Nonlinear optical single crystals for Opto-Electronic devices”	Participated

Jeppiaar Institute of Technology ,Sriperumbudur.	5.6.2020 & 6.6.2020	Two day National level on-line faculty Development Programme (FDP) on “Advancements in Material Science”	Participated
The American College	9.6.2020	Webinar on “ Women at Risk Blossom”	Participated
Kamaraj College	18.6.2020	Webinar on “ Advances in Crystal Growth & Nano Materials	Participated
The American College	19.6.2020	One day International Webinar on “Recent Trends in Advanced Material Science”	Participated
Kumaraguru College of Technology (Department of Science & Humanities –Physics Division)	22.6.2020-29.6.2020	One week Faculty Programme on “Evolution of Functional materials & its Effective Characterization towards Diverse Engineering Applications”	Participated
Sathayabama Institue of Science & Technology	26.6.2020	Webinar on “ Virtual Tribology Lab & Live Date”	Participated
Sathayabama Institue of Science & Technology	4.7.2020-10.7.2020	One Week Workshop on “Material Technology Advancement in Current Scenario”	Participated
National centre for Nanoscience and nanotechnology, University of Madras	10.07.2020-30.07.2020	1 st Virtual summer school on Nanoscience and Nanomaterials	Participated
Jeonbuk National University,Jeonju,South Korea & VIT,Chennai.	9.7.2020-10.7.2020	Indo-Korea Virtual conference on development of Advanced materials for Future Technologies (DAMF-2020)	Participated
University College of engineering, Nagercoil	10.8.2020	Scientific advancements on solutions and testing in industry	Participated
Mepco Schlenk Engineering,Sivakasi	17.8.2020-21.8.2020	FDP-Impacts of Nanomaterials applications in the environment	Participated

Research activities of the student under guideship

Title	M. Phil / M.Sc/ B.Sc	Please tick if it is collaborative
Study on Crystal growth of nonlinear optical material –Glycine Potassim Sulphate	B.Sc	
Study on Network theorem in AC circuits	B.Sc	
Crystal Growth of Potash alum and study of its applications	B.Sc	

Laser Torch based Voice transmitter and Receiver	B.Sc	
Light Intensity meter	B.Sc	
Heart Beat Monitor Using PIC Microcontroller & Pulse sensor	B.Sc	
Interfacing Fingerprint sensor with PIC Microcontroller	B.Sc	
Preparation and characteristic of Tin DiSulfide Thin Film using Spray Pyrolysis method	M.Sc	
Green synthesis of Zinc Oxide nanoparticle using tomato (Lycopersicon Esculentum) Extract	M.Sc	
Comparative study between Newtonian & Non-Newtonian Fluids	M.Sc	

Academic activity:

- NAAC - worked for the department criterion-I.
- Department Autonomy review
- Class Academic advisor.
- President (SF) PG Association 2020 & 2022.
- Organizing Committee member 'PHOBOS' (ICM).
- Organizing Committee member 'REVERBERATE' (ICM).
- Organizing Committee member in science Exhibition.
- Accompanied UG students for Industrial Visit during the year 2022.
- Participated in organising extension programme at Chatrapatti Higher Secondary School on 7.2.2020.