

**The American College, Madurai**  
**FACULTY PROFILE**

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

<b>Degree</b>	<b>Subject</b>	<b>College/University &amp;Place</b>	<b>Year Completed</b>
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 23<sup>rd</sup> April 2017 in the subject  
Physical Science Conducted by Mother Teresa Women's University, Kodaikanal.**

**Specialization in Research:**

- **Thin Film Physics**

**Research Interests:**

- **Fabrication & Structural investigations of Thin Films**

**Participation in Seminar/ workshops:**

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

**On-line participation in Webinar /Faculty Development Programme:**

<b>University /college &amp; place</b>	<b>Date</b>	<b>Title</b>	<b>Status</b>
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 Institue 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 Programmme (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 <b>Faculty Programme</b> 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

**Research activities of the student under guideship**

<b>Title</b>	<b>M. Phil / M.Sc/ B.Sc</b>	<b>Please tick if it is collaborative</b>
Study on Crystal growth of nonlinear optical material –Glycine Potassim Sulphate	<b>B.Sc</b>	
Study on Network theorem in AC circuits	<b>B.Sc</b>	
Crystal Growth of Potash alum and study of its applications	<b>B.Sc</b>	
Laser Torch based Voice transmitter and Receiver	<b>B.Sc</b>	
Light Intensity meter	<b>B.Sc</b>	
Heart Beat Monitor Using PIC Microcontroller & Pulse sensor	<b>B.Sc</b>	
Interfacing Fingerprint sensor with PIC Microcontroller	<b>B.Sc</b>	
Preparation and characteristic of Tin DiSulfide Thin Film using Spray Pyrolysis method	<b>M.Sc</b>	
Green synthesis of Zinc Oxide nanoparticle using tomato (Lycopersion Esculentum) Extract	<b>M.Sc</b>	
Comparative study between Newtonian & Non-Newtonian Fluids	<b>M.Sc</b>	