

# Curriculum Vitae

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## Educational Profile

Degree & Discipline	Institute & University	Year
M. Phil., Physics	Lady Doak College, Madurai Kamaraj University	2012-2013
M. Sc., Physics	Lady Doak College, Madurai Kamaraj University	2010-2012
B. Sc., Physics	Lady Doak College, Madurai Kamaraj University	2007-2010

## Research Work

- “On the Master Symmetries and Conservation Laws of certain Nonlinear Partial Differential Equations” submitted to Lady Doak College in partial fulfillment of the requirement of Master of Philosophy in Physics, 2013.
- “On the Dynamics of certain Nonlinear Physical systems” submitted to Lady Doak College in partial fulfillment of the requirement of Master of Science in Physics, 2012.

## Honors/ Awards

- Qualified **State Eligibility Test** for Lectureship (TNSET 2016)
- Recipient of **First rank** in M.Phil., Degree Examination
- Recipient of **Second rank** in M.Sc., Degree Examination

### Professional Experience

<b>Institution</b>	<b>Position</b>	<b>From-to (Date)</b>
Lady Doak College, Madurai (Affiliated to Madurai Kamaraj University)	Assistant Professor, Department of Physics	1 <sup>st</sup> July 2013 - 31 <sup>st</sup> May 2015
Lady Doak College, Madurai (Affiliated to Madurai Kamaraj University)	Assistant Professor, Department of Physics	18 <sup>th</sup> November 2015 -6 <sup>th</sup> April 2016
Lady Doak College, Madurai (Affiliated to Madurai Kamaraj University)	Assistant Professor, Department of Physics	15 <sup>th</sup> June 2016- 27 <sup>th</sup> October 2016
Lady Doak College, Madurai (Affiliated to Madurai Kamaraj University)	Assistant Professor, Department of Physics	21 <sup>st</sup> November 2016 -3 <sup>rd</sup> August 2017

## Research Guidance

### PG project

Academic Year	Title of the Project
2016-2017	Master Symmetries of Certain Nonlinear Evolution Equations

### UG project

Academic Year	Title of the Project
2016-2017	Noise, Measurement, Impact and Control in Industry
2015-2016	Noise, Measurement, Impact and Control in Silent Zone
2014-2015	1. A novel method to determine the Poisson's ratio of various rubber tube 2. Analysis of light scattered by a capillary to measure a liquid's index of refraction
2013-2014	1. Synthesis and characterization of Zinc Oxide nanoparticles 2. Qualitative and numerical analysis of certain Nonlinear equations 3. Study of optical properties of Zinc Sulphide thin films prepared by spin coating technique

### Research Publication

Master Symmetries and Associated Conservation Laws of Certain Nonlinear Evolution Equations, IOSR Journal of Applied Physics (IOSR-JAP), 1 (2017) 21-25. Impact factor: 3.15 & ISSN No.: 2278-4861.

## **Paper Presented**

Master Symmetries and Associated Conservation Laws of Certain Nonlinear Evolution Equations, National Conference on Current Advancement in Physics, 3rd & 4th February 2017, St. John's College, Palayamkottai during 3<sup>rd</sup> & 4<sup>th</sup> February, 2017.

## **Workshop/Seminar attended**

- Two day workshop on Classical Mechanics and Nonlinear Dynamics organized by the School of Physics, Madurai Kamaraj University, Madurai on 8<sup>th</sup> and 9<sup>th</sup> October 2016
- Two day workshop on the Theoretical Physics organized by the Department of Physics, Govt. Arts College, Melur on 4<sup>th</sup> and 5<sup>th</sup> August 2016
- Faculty training on Python software organized by Department of Physics, Lady Doak College on 21<sup>st</sup> March 2015.
- One day workshop on Application of Remote sensing and GIS was organized by Department of Physics, Lady Doak College on 14<sup>th</sup> March 2015.
- Regional Interactive Seminar on Thrust Areas in Radio Astronomy was conducted on 3<sup>rd</sup> March 2015 in Lady Doak College
- Faculty training on Question setting was organized by Department of Physics, Lady Doak College on 20<sup>th</sup> February 2015
- One day training for CSIR-NET Examination was organized by Department of Physics, Lady Doak College on 7<sup>th</sup> & 28<sup>th</sup> January 2015
- CSIR NET Coaching was organized by Department of Physics, Lady Doak College on 10<sup>th</sup> December 2014
- Special Lecture on Growth on High Quality Crystals for technological applications organized by Department of Physics, Lady Doak College 19<sup>th</sup> September 2014
- Faculty Training program on Interfacing using expEYES was organized by Department of Physics, Lady Doak College on 18<sup>th</sup> December 2013
- One day training for CSIR-NET Examination on 5<sup>th</sup> & 12<sup>th</sup> October 2013
- Junior Faculty Orientation on Being an effective Teacher was Organized by CHRD, Lady Doak College on 24<sup>th</sup> August 2013
- Hands on Training Ubuntu was Organized by CIT, Lady Doak College on 30<sup>th</sup> July 2013

- Two day workshop on the Path ways to Higgs Bosons organized by the Department of Physics, The American College, Madurai on 28<sup>th</sup> and 29<sup>th</sup> August 2012
- Workshop on exciting Astronomy held on 28<sup>th</sup> January 2012 at Lady Doak College
- Lecture workshop on Applications of Nonlinearity in Physics organized by the Department of Physics, Fatima College, Madurai on 25<sup>th</sup> and 26<sup>th</sup> August 2011
- National workshop on Recent Development in Physics organized by the Department of Physics, Govt., Arts College, Melur during 3<sup>rd</sup> and 4<sup>th</sup> march 2011
- National level seminar on Characterization techniques for Semiconductor materials organized by Department of Physics, S.Vellaichamy Nadar College on December 2010

### **Areas of Expertise**

#### **UG courses**

General Physics, Foundation Physics, Electronics I, Electronics II, Wave optics, Electromagnetism, Non-Conventional Energy Sources, Home Electrics, Introductory Physics, Preparatory course for Civil Service Examination, Thermodynamics, Statistical Mechanics & Relativity, Electricity and Magnetism, „C“ language, Analog Electronics lab, Digital Electronics lab, Free Open Source Software (Scilab)

#### **PG Courses**

Classical Mechanics & Nonlinear Dynamics, Mathematical Physics II, Nanoscience, Nuclear Physics, Analog Electronics lab, General lab

External Examiner for Digital Electronics lab, Analog Electronic lab

#### **Professional Skill**

- Programming Languages: C, C++ , Matlab, Scilab
- Operating Systems- Windows XP, Windows 7, Linux (Red Hat, Ubuntu)
- Microsoft Office Word, Excel, PowerPoint