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**Dr. A.V. PAULIN EDWIDGE MARY**

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### PROFESSIONAL SUMMARY

Dedicated Assistant Professor with 29 years of experience in the field of Physics, teaching undergraduate and post graduate courses. In-depth knowledge of both theoretical and experimental Physics fully engages students in the learning process.

### WORK EXPERIENCE

**Assistant Professor of Physics**  
**date Holy Cross College, Trichy.**

**November 1995 - till**

- Taught introductory and upper level courses in Physics.
- Wrote course materials for Major, Skilled based, Non major and Foundation Courses.
- Prepared Question bank

### EDUCATION

Degree	Year	Subject	Institution	% of marks
B.Sc.	1993	Physics	Holy Cross College, Trichy, TN	88%
M.Sc.	1995	Physics	Fatima College, Madurai, TN	82%
PGDCA	1996	Computer Science	St. Joseph's College, Trichy, TN	83%
M. Phil.	1997	Physics	St. Joseph's College, Trichy, TN	69%
Ph.D.	2014	Physics	Holy Cross College, Trichy, TN	NA

## **SUBJECTS OF EXPERTISE**

**Research Area:** Liquid State Physics

**Teaching Area:**

- Electronics, Digital Electronics, Microprocessor, Circuit and Network theory
- Optics, Properties of Matter, Electricity and Electromagnetism, Heat and Thermodynamics
- Spectroscopy, Solid State Physics, Nuclear Physics, Classical Mechanics and Mathematical Physics

## **CORE COMPETENCIES**

- Interacts with people effectively. Able and willing to share and receive information.
- Pays close attention to detail, accuracy and completeness.
- Adapts to changing work environments, work priorities and Organizational needs.
- Deals with difficult situations while maintaining performance.

## **LEADERSHIP PROFILE**

- **CO-ORDINATOR FOR AICUF**
- **CO-ORDINATOR FOR RESCAPES**
- **PARENT-TEACHERS ASSOCIATION CO-ORDINATOR**
- **EXAMINATION CORE COMMITTEE MEMBER**
- **CO-ORDINATOR FOR NAAC PARAMETER-2**
- **DEAN OF STUDENT AFFAIRS**
- **HEAD OF THE DEPARTMENT OF PHYSICS**

## **INTERNATIONAL / NATIONAL PUBLICATIONS**

- **Acoustical and Viscometric study of edible oils** – J. pure and applied Ultrasonics, 2008, 30(4), 141-144.
- **Viscosity study of the solution of Poly (Vinyl Acetate) in DMF** - Proceedings of National symposium on Acoustics (2008) pp 251-255 Jour. Acous. Soc. Ind.

- **Study of thermodynamical properties of Poly(vinyl Acetate) in DMF-** Proceedings of National symposium on Acoustics (2008) pp257-261 J.Acous.Soc.Ind.
- **Study of Viscosity of the solution of Poly Ethylene in M-Xylene–** Proceedings of National conference on recent advances in material Science (RAMS'2009) pp152-154.
- **Solvation study of Polymers by Ultrasonic method** -proceedings of Eighteenth National Symposium on Ultrasonics (NSU-XVIII) (2009) pp212 - 215.
- **Solvation study of Poly Vinyl Pyrrolidone by Ultrasonic method** – published in the Conference papers of Indo –US workshop on Nanosonics and Ultrasonics and International Conference on Nanotechnology and Ultrasound, St. Joseph's College, Tiruchirappalli, (2011), Page 98.
- **Study of thermodynamical properties of Poly Vinyl Pyrrolidone in polar solvents** - Proceedings of National symposium on Acoustics (2011) pp44 -50.
- **Viscosity study of the solution of Poly Vinylidene Fluoride in Polar solvent** - Proceedings of National symposium on Acoustics (2011) pp144 -150.
- **Density and Viscosity of solvated part for the Polymer solution of Poly Vinyl Pyrrolidone in Butanol** - Proceedings of National symposium on Acoustics (2011) pp426 -432.
- **Solvation study of Polymers by Ultrasonic method** - Proceedings of International conference on ADVANCED MATERIALS - (2012) pp 384-388.
- **Viscosity study of Poly Vinyl Pyrrolidone in polar solvent-** Elixir Ultrasonics 49(2012), 1004.
- **Study of thermodynamical properties of Poly Vinylidene Fluoride in aprotic solvent** - Elixir Ultrasonics 49(2012), 9997.

#### **ADDITIONAL ACHIEVEMENTS**

Presented papers in 1 International conference

5 National seminars / conferences

**ORIENTATION / REFRESHER COURSES / FDP ATTENDED :**

<b>Name of the Course</b>	<b>Academic Staff College, University</b>	<b>Duration in Days</b>	<b>Dates From – To</b>
96 <sup>TH</sup> ORIENTATION PROGRAMME	UGC – HRDC, BHARATIDASN UNIVERSITY	28	03-03-2017 – 30-03-2017
REFRESHER COURSE	UGC – HRDC, BHARATIDASN UNIVERSITY	14	23-10-2019 – 05-11-2019
REFRESHER COURSE	UGC – HRDC, BHARATIDASN UNIVERSITY	14	05-07-2022 – 18-07-2022
FDP on “ADVANCED PEDAGOGICAL TECHNIQUES”	TEACHING LEARNING CENTRE, RAMANUJAN COLLEGE, UNIVERSITY OF DELHI	7	30-06-2021 – 06-07-2021
FDP on “PHYSICS OF RENEWABLE ENERGY SYSTEMS”	NPTEL-AICTE	12 WEEKS	JULY-OCTOBER 2023
FDP on “SENSOR TECHNOLOGIES: PHYSICS, FABRICATION AND CIRCUITS”	NPTEL-AICTE	8 WEEKS	JULY-SEPTEMBER 2024

***Declaration***

I hereby declare that all the information provided above is true up to the best of my knowledge.

**Date:** 14/10/2024

**Place:** Trichy-2

Yours Sincerely,

**Dr. A.V. Paulin Edwidge Mary**