

Name	Dr. S. Euchrista Immaculate Sylvia
Qualification	M.Sc., M.Phil., Ph.D.,
Designation	Head & Associate Professor
Year of Joining	25.06.1987
Specialization	Energy Physics
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Webinars / Seminars / Workshops / FDP/ Conferences

Title of Webinars / Seminars / Workshops / FDP/ Conferences	Type	Paper Presented/ Participated	Title of the Paper	Organized By	Date
Navigating Consultancy, Filing Patent and Designing Research Article: Insights and Strategies	National Seminar	Participated	--	Marian Research Forum & Internal Quality Assurance Cell, St. Mary's College (Autonomous), Thoothukudi	20.01.2024
Artificial Intelligence tools for Education with Special Reference to chat GPT, GPT 4 & LAMMA	National Seminar	Participated	--	Library Committee & IIC St. Mary's College (Autonomous), Thoothukudi collaboration with SALIS – Tirunelveli Chapter	11.08.2023
3D Printing	Webinar	Participated	--	Department of Physics, School of Science and HJumanities, Sathyabama Institute of Science and Technology, Chennai	22.07.2023

Advanced Materials for Technological Applications	International FDP	Participated	--	Department of Physics, Sathyabama Institute of Science and Technology, Chennai	24.03.2023 – 04.04.2023
Webinar on “Nanomaterials for Novel Applications”	Online webinar	Participated	--	Department of Physics, Ramco Institute of Technology, Rajapalayam	13.01.2023
Emerging Materials and It’s Application (ICEMA – 2022)	International Conference	Participated	--	Department of Physics, St. Xavier’s College (Autonomous), Palayamkottai.	01.03.2022
Smart Materials for New Technology	Five Days International Faculty Development Programme	Participated	--	Department of Physics & Marian Star Centre, St. Mary’s College (Autonomous), Thoothukudi	18.02.2022 - 23.02.2022
Exploring New Frontiers in chemical and Biological Science	One Week Online Faculty Development Programme	Participated	--	Department of Chemistry, Marian Star Centre, St. Mary’s College (Autonomous), Thoothukudi	31.01.2022 – 5.02.2022
Nanomaterials	Five Days International Faculty Development Programme	Participated	--	Department of Physics, St. Mary’s College (Autonomous), Thoothukudi	23.11.2021 - 27.11.2021
Emerging Trends in Nano Technology (ETNT -2021)	Five Days International Online Faculty Development Programme	Participated	--	Department of Basic Science, Vishnu Institute of Technology (A), Bhimavaram AP in Association with Physical Research Laboratory, Ahmadabad, Gujarat	09.11.2021 - 13.11.2021
Recent Trends in Applied Physics	International e-conference	Participated	--	PG Department of Physics, Sri Sarada College for Women(Autonomous), Tirunelveli-11	28.10.2021
Synthesis, Characterization and Applications of Novel Materials	FDP	Participated	--	Department of Physics & Chemistry, Ramco Institute of Technology,	02.08.2021 - 06.08.2021

				Rajapalayam	
Systematic Research Methodology - A Transformative Tool for Scientific Research	International Webinar	Participated	--	Marian Research Forum, St. Mary's College(Autonomous), Thoothukudi	22.07.2021
Sensors and Applications	International Webinar	Participated	--	Department of Physics, Auxilium College (Autonomous), Vellore, Tamil Nadu, India	22.07.2021 - 23.07.2021
Sir C.V. Raman lecture series on “Advanced Materials Science”	National Webinar	Participated	--	Ethiraj College for Women (Autonomous), Chennai.	05.03.2021
International Webinar on Advanced Functional Materials	International Webinar	Participated	--	Holy Cross College (Autonomous), Tiruchirapalli.	15.02.2021
Optical Nano Biosensors and Microfluidics in X-Ray Spectroscopy	International Webinar	Participated	--	St.Xavier's College Autonomous, Palayamkottai	24.07.2020
Dating Geo-Archaeological Materials using Luminescence	Webinar	Participated	--	A.P.C Mahalakshmi College for Women, Thoothukudi	17.07.2020
Surface Ozone Air Pollution and its Impact on Environment	Webinar	Participated	--	A.P.C Mahalakshmi College for Women, Thoothukudi.	15.07.2020
Learning to live with Covid- 19:Embracing the New Reality	National Webinar	Participated	--	St. Mary's College (Autonomous), Thoothukudi	11.07.2020
Spectroscopic Identification of Materials	Webinar	Participated	--	A.P.C Mahalakshmi College for Women, Thoothukudi.	09.07.2020

The Exciting Story of Exoplanets	Webinar	Participated	--	Karunya Institute of Technology and Sciences, Coimbatore.	08.07.2020
The Journey Within Know Yourself & Know the World	Webinar	Participated	--	IQAC, St. Joseph's College of Autonomous, Trichy.	19.06.2020
ICT tools on Smart Teaching	National Workshop	Participated	--	Servite College of Education for Women, Thogamalai	18.06.2020 - 20.06.2020
Value of Health Care in Current Life Style	Webinar	Participated	--	Annamal College of Education for Women, Thoothukudi.	17.06.2020
Material Science	International Webinar	Participated	--	Servite Arts and Science College for Women, Thogaimalai	15.06.2020 - 16.06.2020
Research Methodology	Webinar	Participated	--	Loyola College Autonomous Chennai	12.06.2020 - 13.06.2020
Solid State Lasers	International Webinar	Participated	--	Pope's College, Sawyerpuram	11.06.2020
Students with learning disabilities & Identification of students with learning disabilities	International FDP	Participated	--	St. Mary's College (Autonomous), Thoothukudi	2.6.2020
Introduction to GIS	Webinar	Participated	--	St. Mary's College (Autonomous), Thoothukudi	2.6.2020
Graphene based Nanocomposites for energy storage	Webinar	Participated	--	V.O.C College, Thoothukudi	1.6.2020

How to use Open Educational Resources	Webinar	Participated	--	St. Mary's College (Autonomous), Thoothukudi	31.5.2020
Lessons of Lockdown Magnitude of The Butterfly Effect	Webinar	Participated	--	St. Mary's College (Autonomous), Thoothukudi	28.5.2020
"SMART MATERIALS SENSOR AND ENERGY DEVICES (SMSED- 2020)"	International workshop	Participated	--	SSN College of Engineering, Kalavakkam, Chennai	25.5.2020-30.5.2020
History of Nuclear Fission	Webinar	Participated	--	V.O.C College, Thoothukudi	25.05.2020
"Energy, Energy, Everywhere, How to harness it?"	Webinar	Participated	--	V.O.C College, Thoothukudi	21.5.2020
Mind Your Minds During Lockdown - To Counter Stress	Webinar	Participated	--	V.O.C College, Thoothukudi	20.05.2020
Teaching Using ICT Tools	FDP	Participated	--	JP College of Arts & Science, Ayikudi	20.05.2020-24.05.2020
Mental Health and Psychological consideration During Lockdown	Webinar	Participated	--	St. Mary's College (Autonomous), Thoothukudi	13.05.2020-14.05.2020
Role of TVET Schools in Bridging the Gap in Workforce Development	Webinar	Participated	--	Coloumbo plan staff college	8.5.2020
National Seminar on Fostering "Transparency: Routing out Plagiarism A to Z"	National Seminar	Participated	--	St. Mary's College (Autonomous), Thoothukudi	20.07.2018

International seminar on “Advanced Materials – INSAM 2018”	International Seminar	Participated	--	Pope’s College, Sawyerpuram	27.02.2018
Refresher course on “Physics – RCP 2018”	Refresher course	Participated	--	MS university, Tirunelveli	29.01.2018 – 30.01.2018
National seminar on “Academic and research Integrity in the digital world”	National Seminar	Participated	--	St. Mary’s College (Autonomous), Thoothukudi	09.12.2017
National Seminar on “E- Waste Hazards and Management”	National Seminar	Participated	--	St. Mary’s College (Autonomous), Thoothukudi	09.03.2017
National Conference on “Current Advancement in Physics”	National Conference	Participated	--	St.John’s College, Palayamkottai	04.02.2017
National Conference on “Cosmic Concerns: An Interdisciplinary Dialogue in Applied Ethics”	National Conference	Participated	--	St. Mary’s College (Autonomous), Thoothukudi.	27.01.2017 – 28.01.2017
International Seminar on “Algal Biotechnology: An Ecofriendly solution for food, fuel and health”(INSAB – 2016)	International Seminar	Participated	--	St. Mary’s College (Autonomous), Thoothukudi.	14.10.2016
National seminar on “Multi disciplinary Research”	National Seminar	Participated	--	St.Mary’s College (Autonomous), Thoothukudi.	20.02.2016

International Conference on “Solar Energy – INCSE-2015”	International Conference	Participated	--	Department of Physics, St. Mary’s College (Autonomous), Thoothukudi.	16.02.2015
UGC sponsored national conference on “Renewable Energy for Green Future”	UGC sponsored national conference	Participated	--	Pope’s College, Sawyerpuram	29.01.2015 – 30.01.2015
One day seminar on “Library without walls” (Electronic resources)	Seminar	Participated	--	Department of Library, St.Mary’s College (Autonomous), Thoothukudi, in technical collaboration with SALIS-Tirunelveli chapter	20.09.2014
National Seminar on “Mathematics for Mother Earth- 2013”	National Seminar	Participated	--	Department of Mathematics, St.Mary’s College (Autonomous), Thoothukudi.	17.07.2014 – 18.07.2014
Seminar on E-Resources – A must in Today’s Scholarly World”	Seminar	Participated	--	St.Mary’s College (Autonomous), Thoothukudi.	19.10.2012
Workshop on “MATLAB”	Workshop	Participated	--	St.Mary’s College (Autonomous), Thoothukudi.	18.10.2012
National Seminar on “Sustainable Resource Management”	National Seminar	Participated	--	St.Mary’s College (Autonomous), Thoothukudi.	04.10.2012

XII Tamil Science Congress	Tamil Science Congress	Presented	Impact of Green house gases	Periyar University, Salem	23.08.2012 – 25.08.2012
International workshop and conference on “Renewable energy and Climate change – Exploring Opportunities for Sustainable Development”	International workshop and conference	Participated	--	Madurai Kamaraj University, Madurai.	05.04.2012 – 07.04.2012
XIV National Seminar on “Crystal Growth”	National Seminar	Participated	--	Aditanar College of Arts and Science, Tiruchendur.	19.01.2012 – 21.01.2012

Papers Published

Paper Title	Author(s)	Journal	Year	Volume	Issue	Page No.
A study on the characteristics of biomass fuel used in biomass power generation systems	Euchrista Immaculate Sylvia .S, Muthuchelian .K	Marian Quest	2014	2		17-23
Studies on Growth and some Biochemical Parameters of Ceiba pentandra (L.) Gaertn. exposed to short term Elevated Concentrations of CO ₂	S. Euchrista Immaculate Sylvia, K. Muthuchelian	Botanica 1 Report,	2013	2	(2)	9-13

Others:

- IQAC Member
- Head of the Department
- Director of Eco Feminine Excellence Club
- Member of the Academic Council
- Member of the College Council
- Member of the Curriculum Development Committee
- Member of the Awards Committee
- Examiner in Manonmaniam Sundaranar University, Tirunelveli
- Handled Ethics classes.
- Member of a Fine Arts Committee
- In charge of Physics Association
- Accompanied girls during annual tour
- Member in the Union Staff Advisors Committee
- Staff club office bearer
- Member in NSS
- Member in Think Tank Club, Quiz Club
- Member in FDP – selection committee and attended the meeting on 4th August 2014, at VOC College, Thoothukudi for the XII Faculty Development Program.