

<b>Name</b>	Mrs. A. Lucas Rexceline
<b>Qualification</b>	M.Sc., M.Ed., M.Phil.,
<b>Designation</b>	Associate Professor
<b>Year of Joining</b>	07.02.2000
<b>Specialization</b>	Solid State Physics
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#### Webinars/Seminars/Workshops/FDP/ Conferences

<b>Title of Webinar / Workshop/ Seminar/ FDP/ Conferences</b>	<b>Type</b>	<b>Paper Presented/ Participated</b>	<b>Title of the Paper</b>	<b>Organized By</b>	<b>Date</b>
Advanced Functional Materials: Energy, Environment and Sustainable Development	International FDP	Participated	-	SRM TRP Engineering College, Tiruchirappali	28.02.2025 - 06.03.2025
Exploring the Frontiers of Research: Perspectives on the Ethical Challenges and Technological disruptions	International Conference	Participated	-	Marian Research Forum, St. Mary's College (Autonomous), Thoothukudi	19.12.2024
FDP program on Viksit Bharat Envisioning Higher Education in 2047	National FDP	Participated	--	Carmelite Sisters of St. Teresa (CSST) Group of Institutions, Kerala	04.11.2024 - 12.11.2024
National Seminar on "National Educational Policy (NEP)"	National Seminar	Participated	--	Department of Physics, SRM TRP Engineering College, Tiruchirappalli, Tamil Nadu, India.	11.03.2024
International Women's day special lecture on "Women in Science and Technology"	special lecture	Participated	--	Department of Physics, SRM TRP Engineering College, Tiruchirappalli, Tamil Nadu, India.	09.03.2024

National Workshop on “Density Functional Theory”	National Workshop	Participated	--	Department of Physics, SRM TRP Engineering College, Tiruchirappalli, Tamil Nadu, India.	06.03.2024
International Seminar on “Societal Advancement Powered by Nuclear Energy”	International Seminar	Participated	--	Department of Physics, SRM TRP Engineering College, Tiruchirappalli, Tamil Nadu, India.	02.03.2024
International Faculty Development Programme on “Advanced Functional Materials: Energy, Environment and Sustainable Development”	International Faculty Development Programme	Participated	--	Department of Physics, SRM TRP Engineering College, Trichy	26.02.2024 – 05.03.2024
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
Avoiding Predatory Publishing: Guidelines for Choosing Quality Journals in the Digital Age	Online Workshop	Participated	--	Marian Research Forum, St. Mary’s College (Autonomous), Thoothukudi	11.12.2023
Advanced Materials	International Conference	Participated	--	Department of Physics, St. Joseph’s College (Autonomous), Tiruchirappalli.	08 & 09.12.2023
Personal and Professional Excellence and Value Based Living	FDP	Participated	--	Auro University, Surat, Gujarat	14.10.2023
Chat GPT and other Artificial Intelligence (AI) Tools for	State Workshop	Participated	--	Library Committee & IIC St. Mary’s College (Autonomous), Thoothukudi	07.09.2023

Classroom Teaching and Research					
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
Entrepreneurship Development Program	Webinar	Participated	--	Department of Physics, School of Science and Humanities, Sathyabama Institute of Science of Technology	15.07.2023
Research Methodology : A Paradigm Shift	National Level Online Faculty Development Programme	Participated	--	Department of Commerce & IQAC , Vivekananda Mission Mahavidyalaya & Integrated Institute for Advanced Research and Information (IIARI), Kolkata	14.07.2023 - 16.07.2023
Advanced Materials for Technological Applications	International FDP	Participated	--	Department of Physics, Sathyabama Institute of Science and Technology, Chennai	24.03.2023 – 04.04.2023
Keys to Publish in High Impact Journals	International webinar	Participated	--	Marian Research Forum, St. Mary's College (Autonomous), Thoothukudi	07.02.2023
Webinar on “Nanomaterials for Novel Applications”	Online webinar	Participated	--	Department of Physics, Ramco Institute of Technology, Rajapalayam	13.01.2023
FDP on “Nanomaterials for sustainable Future”	Five Days (online) Faculty Development Programme	Participated	--	Physics Division, Department of Basic Science and Humanities, GMR Institute of Technology, Rajam	12.12.2022 – 16.12.2022

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
Effective Research Writing and Scholarly Publishing Under UGC STRIDE Scheme	International Webinar	Participated	--	V.O.Chidambaram College, Thoothukudi	19-08-2021 - 20-08-2021
Synthesis, Characterization and Applications of Novel Materials	National FDP	Participated	--	Department of Physics & Chemistry, Ramco Institute of Technology, Rajapalayam	02-08-2021 - 06-08-2021
Systematic Research Methodology- A Transformative Tool for Scientific Research	International Webinar	Participated	--	St. Mary's College (Autonomous), Thoothukudi	22-07-2021
Sensors and Applications	International Webinar	Participated	--	Auxilium College (Autonomous), Vellore, Tamilnadu	22-07-2021 – 23-07-2021
LIDAR & UAV: A Photogrammetric solution	Certificate course	Participated	--	IIARI, Kolkotta	12-06-2021 - 04-07-2021
Digital Tools for Active Teaching, Evaluation and Research	FDP	Participated	--	Sri GVG Visalakshi College for Women, Udumalpet, Tamilnadu	28-06-2021 - 30-06-2021

E – Content development	National level online workshop	Participated	--	IQAC, ST. Ann's College, Kokrajhar, Assam	7-6-2021 to 12-6-2021
Cancer Prevention, Covid 19 and Healthy Lifestyle	National Webinar	Participated	--	AADI,LOKMANCH Partners, Attappady, Kerala in Association with Life Beyond Cancer, Mumbai, Maharastra	31-05-2021
Lanslide Hazard Modelling- A Geospatial Technique	National workshop and Hands on Training	Participated	--	IIARI, Kolkotta	29-05-2021 - 30-05-2021
ARC GIS: An Advance Implementation	National level virtual workshop	Participated	--	IIARI, Kolkatta	07-05-2021 - 09-05-2021
Recent trends in Science and Technology	International E-conference	Participated	--	Marian Star Centre, PG and Research Department of Biotechnology, St. Mary's College(Autonomous), Thoothukudi	29-04-2021 – 30-04-2021
Basics of Remote Sensing using QGIS	Short term training programme	Participated	--	Geo Spatial Technology Training Centre	22-01-2021 - 24-01-2021
Increasing Visibility in the Research world using Academic and Social media	National virtual Webinar	Participated	--	Department of Library and Marian Research Forum , St. Mary's College(Autonomous), Thoothukudi	31-10-2020
Space - The final frontier	Webinar	Participated	--	TamilNadu Students Research Organisation, Thiruchengode.	19-07-2020
Frontiers in nanotechnology and applications	Webinar	Participated	--	Dept of Physics, St.Xaviers College (Autonomous),	15-07-2020

				Palayamkottai	
Gender Based Violence	Webinar	Participated	--	PG Dept of Chemistry, District Legal Services and NSS, A.P.C Mahalakshmi College of Women, Thoothukudi	13-07-2020
International Webinar on 'An update on COVID-19'	International Webinar	Participated	--	IQAC, St. Mary's' College, Thoothukudi.	10-07-2020
The Exciting Story of Exoplanets	International Webinar on Astronomy and Astrophysics	Participated	--	Department of Applied Physics, Karunya Institute of Technology, Coimbatore	08-07-2020
International Webinar Series - Astronomy and Astrophysics	International Webinar	Participated	--	Department of AstroPhysics, Karunya Institute of Technology And Sciences, CBE	08-07-2020
International Webinar on 'Aasiriyam Potruvo m'	International Webinar	Participated	--	N.K.T National College of education for Women, Chennai & Stella Matitudina College of Education, Chennai	06-07-2020-08-07-2020
National level webinar on CSR during COVID-19 Crisis	National Webinar	Participated	--	Department of Humanities, Indian Academy	04-07-2020
Webinar on 'Velvadharkae Vazh kai'	Webinar	Participated	--	Annamal College of Education for women, Thoothukudi	29-06-2020
National Relaxation Techniques for Stress Management	National Webinar	Participated	--	Counseling Forum, St. Mary's' College (Autonomous), Thoothukudi	28-06-2020
E-Quiz on aptitude and mental ability	Quiz	Participated	--	PG & Research, Dept of Maths, Rani Anna College for Women, Tirunelveli	23-06-2020
The journey within	Webinar	Participated		IQAC, St. Josephs'	19-06-2020

- Know yourself and know the world			--	College(Autonomous), Trichy.	
VOCC - Stride Course	Online Course	Participated	--	VOC College, Thoothukudi	15-06-2020
International Webinar on Solid State LASERS	International Webinar	Participated	--	PG & Research department of Physics, Pope's College (Autonomous), Sawyerpuram	11-06-2020
National level e-quiz 2 on Nobel Laurets	Quiz	Participated	--	PG & Research Department of Physics and IQAC, The Madurai Diraviyam Thayumanavar Hindu College, Tirunelveli	11-06-2020, 10-06-2020
A one day Webinar on Biodiversity - Urgent & Existential concerns	Webinar	Participated	--	PG & Research Department of Botany, St. Mary's college (Autonomous), Thoothukudi	10-06-2020
National level online Quiz 2	Quiz	Participated	--	Department of Library, St. Mary's College (Autonomous), Thoothukudi	10-06-2020
Webinar on Marvels and Mysteries of the universe	Webinar	Participated	--	PG & Research Department of Physics, Pope's College(Autonomous), Sawyerpuram	09-06-2020
International Webinar on 'Sithar Ilakiya Sindhaniyum Tharkaala Kavidhaiyin Paarvaium'	International Webinar	Participated	--	Servite Arts and Science College for Women, Thogaimalai, Karur	09-06-2020
Webinar on Bio Medical waste and environmental safety hazards healthy future	Webinar	Participated	--	Department of Chemistry, Thiru Kolanjiappar Government Arts College, Viruthachalam	06-06-2020
Webinar on 'Ilakiyamenum Ulla Kannadi'	Webinar	Participated	--	Department of Tamil, St. Mary's College(Autonomous),	05-06-2020

				Thoothukudi	
E-Quiz on Freedom Struggle in India	Quiz	Participated	--	Department of History, St. Mary's College (Autonomous), Thoothukudi	04-06-2020-08-06-2020
International Webinar on Effective usage of FCT Tool for Higher Education	International Webinar	Participated	--	Servite Arts and Science college for women, T.Edaiyapatty, Thogaimalai, Karur	03-06-2020
Introduction to GIS	Webinar	Participated	--	Department of Physics, St. Mary's College (Autonomous), Thoothukudi.	02-06-2020
Webinar on Graphene based nanoparticle for energy storage	Webinar	Participated	--	PG and Research Department of Physics, VOC College, Thoothukudi	01-06-2020
Family Enrichment	Webinar	Participated	--	St. Mary's College (Autonomous), Thoothukudi	30-05-2020
International Webinar on Recent trends in Applied Science	International Webinar	Participated	--	VHNSN College, Virudhunagar	29-05-2020 & 30-05-2020
Lessons of Lockdown: Magnitude of Butterfly effect	Webinar	Participated	--	Department of Physics, St. Mary's College (Autonomous), Thoothukudi	28-05-2020
Historical routes of Social Distancing	Webinar	Participated	--	Department of History, St. Mary's College (Autonomous), Thoothukudi	28-05-2020
FDP on Chemistry of Covid-19 - Threat to Global Public Health	Webinar	Participated	--	Department of Chemistry, St. Mary's College (Autonomous), Thoothukudi	26-05-2020
Online Quiz	Quiz	Participated	--	Department of Physics, St. Mary's College (Autonomous), Thoothukudi	26-05-2020
Change is the essence of life by Bharathi Baskar	Webinar	Participated	--	ICT Academy, Sky Campus	25-05-2020



The unprecedented need for e-education	Webinar	Participated	--	Ma Foi Educational Services Pvt. Ltd., Chennai	25-05-2020
Global Navigation Satellite System and its Applications	Webinar	Participated	--	Geoinformatics Department, ISTAR College, Gujarat	23-05-2020 & 24-05-2020
Teacher Resilience: The Blueprint for efficiency during uncertainty	Webinar	Participated	--	St.Mary's College & Annammal College of Education for women, Thoothukudi.	23-05-2020
An Insight into NAAC -RAF	Webinar	Participated	--	IQAC, VOC College, Thoothukudi.	22-05-2020
Energy, Energy Everywhere, How to harness it?	Webinar	Participated	--	Department of Chemistry, VOC College, Thoothukudi	21-05-2020
Mind your minds during lockdown - To Counter Stress	Webinar	Participated	--	Department of Mathematics, VOC College, Thoothukudi	20-05-2020
Machine learning and deep learning	Webinar	Participated	--	Kasturba Gandhi Degree & PG college for women, Secunderabad	20-05-2020
Panacea-Quiz	Quiz	Participated	--	The SFR College for Women, Sivakasi	15-05-2020
Impact of Corona on Placements	Webinar	Participated	--	Placement Cell, VOC College, Thoothukudi	13-05-2020
Psychological First Aid	Webinar	Participated	--	Department of Psychology, St.Mary's College (Autonomous), Thoothukudi.	11-05-2020
Applications of Geoinformatics in multi discipline	Webinar	Participated	--	Geoinformatics Department, ISTAR College, Gujarat	09-05-2020
Basic Principles of Remote Sensing Technology	Online Course	Participated	--	IIRS Outreach Program	13-04-2020-25-04-2020
National Seminar on Fostering "Transparency: Routing out	National Seminar	Participated	--	St.Mary's College (Autonomous), Thoothukudi	20.07.2018

**Papers Published**

<b>Paper Title</b>	<b>Author(s)</b>	<b>Journal</b>	<b>Year</b>	<b>Volume</b>	<b>Issue</b>	<b>Page No.</b>
Thermo-acoustic studies of ethyl propionate with propan-2-ol at different temperatures using ultrasonic technique	P Padmavathi, A. <b>Lucas Rexcelin, A.</b> Mathana Gopal, Irudaya Sahaya Lancy S, Krishna Kumar Paney, Jessie Fernando, J. Poongodi ,	Materials Today: Proceedings	Aug 2022	67	-	821 - 826
Investigation of Excess Thermo-Acoustic Behavior of Binary Liquid Mixture with Various Temperatures Using Ultrasonic Technique	Padmavathi Paulraj, Jeeva Rani Thangam Gandhi, <b>Lucas Rexceline Antony Muthu,</b> Irudaya Sahaya Lancy Sreedharan, Krishna Kumar Pandey, Poongodi Jawaharlal	Macromolecular Symposia	Feb 2024	413	-	2300048

**Others:**

- Ethics
- Fine Arts Committee
- Physics Association
- Member in IQAC
- Member in NSS
- Accompanied girls during annual tour
- Member in Campus Ministry
- Member in Exam cell
- Member in Think Tank Club, Scribes Forum, Quiz Club
- Member in Faculty Enrichment Forum

- Assistant Controller (2018 – 2021)
- Head of the Department (2023-2024)