

Name	Dr. Sr. Jessie Fernando
Qualification	M.Sc., M.Phil., Ph.D
Designation	Principal and Associate Professor
Year of Joining	15.12.1995
Specialization	Solid State Physics
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Seminars/Workshops/FDP

Date	Paper Presented/ Participated	Title of the Paper	Organized By	Workshop/ Seminar/ FDP	Type
24.03.2023 – 04.04.2023	Participated	--	Department of Physics, Sathyabama Institute of Science and Technology, Chennai	Advanced Materials for Technological Applications	International FDP
07.02.2023	Participated	--	Marian Research Forum, St. Mary's College (Autonomous), Thoothukudi	Keys to Publish in High Impact Journals	International webinar
16.02.2023	Participated	--	Sansnow's Nobel Professional Foundation	Blooms Taxonomy in Teaching and Learning	One day National FDP
22.01.2023 – 26.01.2023	Participated	--	RCI for TCI India, Chapter of Tamil Nadu, India and Annammal College of Education for Women, Thoothukudi.	Theme Centred Interaction	Five day International Workshop
13.01.2023	Participated	--	Department of Physics, Ramco Institute of	Webinar on "Nanomaterials	Online webinar

			Technology , Rajapalayam	for Novel Applications”	
28.03.2022	Participated	--	ICT Academy of Tamilnadu	Bridge 2022 – Kanyakumari (A High Impact Industry – Institute Interaction Event Of India)	National webinar
01.03.2022	Participated	--	Marian Research Forum, St.Mary’s College(Autonomo us), Thoothukudi	Importance of IP in Scientific Research - An Overview	International webinar
01.03.2022	Participated	--	Department of Physics, St. Xavier’s College (Autonomous), Palayamkottai.	Emerging Materials and It’s Application (ICEMA – 2022)	International Conference
18.02.2022 - 23.02.2022	Participated	--	Department of Physics & Marian Star Centre, St. Mary’s College (Autonomous), Thoothukudi	Smart Materials for New Technology	Five Days International Faculty Development Programme
31.01.2022 – 5.02.2022	Participated	--	Department of Chemistry, Marian Star Centre, St. Mary’s College (Autonomous), Thoothukudi	Exploring New Frontiers in chemical and Biological Science	One Week Online Faculty Development Programme
24.01.2022 -25.01.2022	Participated	--	PG and Research Department of Physics and Internal Quality Assurance Cell, Jamal Mohamed College (Autonomous),Tiru chirappalli–620020 in collaboration with Indian Spectro Physics Association (ISPA- Chennai)	Condensed Matter Physics	Two Day Online Faculty Development Programme
23.11.2021 - 27.11.2021	Participated	--	Department of Physics, St. Mary’s College (Autonomous),	Nanomaterials	Five Days International Faculty Development

			Thoothukudi		Programme
09.11.2021 - 13.11.2021	Participated	--	Department of Basic Science, Vishnu Institute of Technology (A), Bhimavaram AP in Association with Physical Research Laboratory, Ahmadabad, Gujarat	Emerging Trends in Nano Technology (ETNT -2021)	Five Days International Online Faculty Development Programme
01.11.2021 - 02.11.2021	Participated	--	Department of Physics, Panimalar Engineering College, Chennai.	FDP on “Cultivation of Research Excellence to Enhance Innovations and Professional Development”	State
09.08.2021 – 20.08.2021	Participated	--	Dept of Physics, Sathyabama Institute of Science and Technology, Chennai in Association with (TNSCST)	Workshop on Thin films and Nanomaterials (IWTN-2021)	State
26.07.2021 - 31.07.2021	Participated	--	Dept of Science and Humanities, M. Kumarasami College of Engineering, Karur, Tamilnadu.	FDP on Innovative Trends in Science and Technology	International
27.07.2021 – 28.07.2021	Participated	--	P.G and Research dept. Of Computer Science, St.Joseph's Collee of Arts and Science (Autonomous), Cuddalore.	FDP on ICT Tools for E-Content Making	National
01.07.2021 - 06.07.2021	Participated	--	Easwari Engineering College, Ramapuram, Chennai	FDP on Emerging Trends in Science and Technology	International

08.03.2021 - 12.03.2021	Participated	--	Dept of Physics, Sharadha University, New Delhi	FDP on Quality Engineering and Technological Advances in Materials and Devices	National
05.03.2021	Participated	--	Ethiraj College for Women (Autonomous) Chennai	Sir C. V. Raman Lecture series on “Advanced Material Science”	National
15.02.2021	Participated	--	Holy Cross College (Autonomous) Tiruchirappalli	International webinar on “Advanced Functional Materials”	International
29.01 2021	Participated	--	Department of Physics Rajapalayam. TN	Nanomaterials for energy and environmental applications	State
28.11.2020 - 30.11.2020	Participated	--	Dept. of Physics, School of Basic Sciences & Research Sharda University Greater Noida New Delhi	Conference on “Recent trends in Accoustics and Material Science”	National
15.07.2020	Participated	--	PG and Research Dept. of Physics, Sakthi College of Arts and Science for Women, Oddanchatram	Webinar on “Fuel Cell Technology – Green Energy”	National
08.07.2020 - 09.07.2020	Participated	--	Audyogik Tantra Shikshan Sanstha’s Institue of Industrial & Computer Management & Research, Maharastra	FDP on “Effective & Efficient Online teaching & content Development”	National
08.07.2020	Participated	--	Dept. of Applied physics, Karunya Institute of Technology and Sciences, Coimbatore	Webinar on “The Exciting Story of Exoplanets”	International

03.07.2020 - 05.07.2020	Participated	--	PG and Research Dept. of Physics, Sakthi College of Arts and Science for Women, Oddanchatram	e- quiz on “Physics in daily Life”	National
29.06.2020	Participated	--	Dept. of Mathematics, Servite Arts and Science College for Women, Thogamalai- 621313	Webinar on “Our Cosmic Consciousness”	National
30.06.2020	Participated	--	Dept. of History, Servite Arts and Science College for Women, Thogamalai- 621313	Webinar on “Vision for better post-COVID -19 World”	International
22.06.2020 - 26.06.2020	Participated	--	Servite Arts and Science College for Women, Thogamalai- 621313	FDP on “E- content Making”	State
16.06.2020	Participated	--	Dept. of Chemistry, PSG College of Arts and Science, Coimbatore	Webinar on “Advanced Materials for Biomedical , energy &Environmental Applications”	International
16.06.2020	Participated	--	Dept. of Placement & Training, Narasu’s Sarathy Institute of Technology , Salem	Webinar on “Trending Technologies Look Beyond 2020”	National
13.06.2020 & 16.06.2020	Participated	--	Servite Arts and Science College for Women, Thogamalai- 621313	Webinar on “Material Science”	International
13.06.2020	Participated	--	Dept. of Computer Science & Computer Applications, Servite Arts and Science College for	Webinar on “Google’s UI Toolkit”	International

			Women, Thogamalai- 621313		
08.06.2020 - 15.06.2020	Participated	--	Ramanujan College, University of Delhi, Delhi	FDP on “Open source Tool for research”	National
04.06.2020	Participated	--	Dept. of Physics, Bannari Amman Institute of Technology, Erode	Webinar on “Recent advances in Material Sciences & Nano Technology”	International
03.06.2020	Participated	--	Servite Arts and Science College for Women, Thogamalai- 621313	Webinar on “Effective usage of ICT Tools for Higher Education”	International
03.06.2020	Participated	--	Dept. of S&H, Narasu’s Sarathy Institute of Technology , Salem	Webinar on “Organic Material for Solar Cell”	National
02.06.2020	Participated	--	IQAC, St. Mary’s College(Autonomo us), Thoothukudi	FDP on “Invisible Scholars: Students with Learning Disabilities & identification of students with learning Disabilities”	International
31.05.2020	Participated	--	Dept. of Physics, St. Mary’s College(Autonomo us), Thoothukudi	Webinar on “How to use open educational resources to desire”	National
26.05.2020	Participated	--	Dept. of Physics, Parvathy’s Arts and Science College, Dindugal-2	Webinar on “Career Opportunities in medicare Physics”	National
26.05.2020 -	Participated	--	UGC-human resource	Online workshop on	National

28.05.2020			development Centre University of Hyderabad Hyderabad-500 046	“Online course design, development and delivery”	
25.05.2020	Participated	--	ICT academy	Webinar on “Change is the essence of life”	State level
25.05.2020	Participated	--	Dept. of Physics, V.O.C College, Thoothukudi	Webinar on “History of Nuclear Fission”	National
23.05.2020	Participated	--	St. Mary’s College(autonomous), Thoothukudi	Webinar on “Teachers resilience; the blue print for efficiency during uncertainty”	National
21.05.2020	Participated	--	Dept. of Electronics, Erode Arts and Science College, Erode	Webinar on “Micro, Nano Atomic scale approaches in electronic applications”	National
20.05.2020 - 24.05.2020	Participated	--	IQAC, Dept. of BCA and Dept. of IT, JP college of Arts and Science, Ayikudy, Tenkasi-627852	FDP on “Teaching using ICT Tools”	National
18.05.2020 - 22.05.2020	Participated	--	Dept. of Commerce, Kamaraj college, Thoothukudi	Online workshop on “Effective online teaching methodologies”	National
16.05.2020	Participated	--	PG department of chemistry(SSC), St. Mary’s college(autonomous), Thoothukudi	Webinar on “Bioinformatics in micro biome research & climate, biomes and India”	International
15.05.2020 - 16.05.2020	Participated	--	K.M.E Society’s G. M. Momin Women’s College,	Online workshop on “Nanomaterials for Human Safety and Environment”	National

14.05.2020	Participated	--	ICT academy	Webinar on “Good teacher to great teacher”	State level
12.05.2020	Participated	--	Department of science and humanities, Karpagam institute of technology, Coimbatore	Webinar on “Virtual learning resources in science teaching”	National
12.05.2020	Participated	--	Marian research forum, St. Mary’s college(Autonomo us), Thoothukudi	Webinar on “Selection for appropriate statistical tools: a critical way for successful research”	National
11.05.2020	Participated	--	Dept. of Psychology, St. Mary’s college (Autonomous), Thoothukudi	Webinar on “Psychological first aid”	National
11.05.2020 - 15.05.2020	Participated	--	ICT academy	Webinar series on “The future of skills – education, employment & entrepreneurship ”	National
11.05.2020 - 16.05.2020	Participated	--	Ramachandra college of Engineering, Eluru	FDP on “Innovation to academician”	National
08.05.2020	Participated	--	Colombu staff plan college	Webinar on “Role of TVET schools in bridging the gap in workforce development”	International
27.02.2018	Participated	--	Pope’s College, Sawyerpuram	International seminar on “Advanced Materials – INSAM 2018”	International Seminar
09.12.2017	Participated	--	St. Mary’s College (Autonomous), Thoothukudi.	National Seminar on “Academic and Research	National Seminar

				Integrity in the Digital world”	
27.01.2017 – 28.01.2017	Participated	--	St. Mary’s College (Autonomous), Thoothukudi.	National Conference on “Cosmic Concerns: An Interdisciplinary Dialogue in Applied Ethics”	National Conference
29.01.2016 – 31.01.2016	Participated	--	Christ University, Bengaluru	Three day Conclave of Academics on “Academic Quality in Higher Education”	National
7.01.2016- 8.01.2016	Participated	--	IQAC, St. Mary’s College (Autonomous), Thoothukudi.	National Seminar on “Quality Enhancement in Higher Education”	National
21.07.2015 – 22.07.2015	Participated	--	Hindusthan University, Padur, Chennai	Indo – Sweden Clean Energy Symposium (ISCES - 2015) on “Materials for Energy Harvesting and Storage”	International Conference
11.02.2015	Participated	--	Department of Physics, St. Mary’s College (Autonomous), Thoothukudi-1.	International Conference on “Solar Energy – INCSE-2015”	International Conference
04.10.2012	Participated	--	St. Mary’s College (Autonomous), Thoothukudi	National Seminar on “Sustainable Resource Management”	National Seminar
11.03.2012 – 15.03.2012	Participated	--	Kottayam, Kerala	International TCI workshop on “A new Adventure, A new approach to TCI for personal development”	International workshop

26.01.2012 – 28.01.2012	Participated	--	Wayanad, Kerala	International TCI Annual Conference	International Conference
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Papers Published

Paper Title	Author(s)	Journal	Year	Volume	Issue	Page No.
Evaluation of Sound Velocity and Molar Refraction in Binary Liquid Mixtures through Ultrasonic Measurement	Padmavathi P, Mathana Gopal A, Irudaya Sahaya Lancy A, Krishna Kumar Pandey, Poongodi J, and Jessie Fernando	Macromolecular symposia,	2023	407	--	2200006 -1-4
Physico-Chemical Characterization of Ethyl Propionate with Butanol at Different Temperatures Using Ultrasonic Technique	Padmavathi P., Mathana Gopal A., Irudaya Sahaya Lancy A., Krishna Kumar Pandey, Poongodi J., and Jessie Fernando	Macromolecular symposia,	2023	407	--	2200004 -1 -5
Enactment by computational-structural and by the experimental studies of 2-hydroxyimino-2-(pyridin-2-yl)-N'-[1-(pyridin-2-yl) ethylidene] acetohydrazide – HIPYPYEAH crystalline specimen	M. Rajkumar, Jessie Fernando , K. SenthilKannan, R. Ashok Kumar, R. Divya, P. Saravanan, P. Hari Krishna	AIP Conference Proceedings	2022	2446	--	100027
Vicker's hardness, elastic stiffness, fracture	J. Fernando , P. Padmavathi, K. SenthilKannan, a	AIP Conference Proceedings	2022	2446	--	100035 – 1-5

toughness, hardness in mohs scale, young's modulus and yield strength measurement of BaSiF6:Eu2+ phosphors	, A. R. Kadam, R. Kannan and S. J. Dhoble					
Opto electronic filter effectiveness by influx of macro, thin film and nano scalings stress analysis of trapezoidal and spiral coated device characterization s of Eu2+ doped barium hexafluorosilicate (BaSiF6:Eu2+) phosphors	J. Fernando , P. Padmavathi, K. SenthilKannan, A. R. Kadam, Samiksha. B. Dhoble, R. Kannan and S. J. Dhoble	AIP Conference Proceedings	2022	2446	--	100036-1-5
Extortion, anti-bacterial, spectral, band gap and ultrasonic factors of herbal cough syrup and content comparison with commercial samples	P. Padmavathi, J. Fernando , K. SenthilKannan, J. Poongodi, A. M. Ezhil Raj and R.P. Patel	AIP Conference Proceedings	2022	2446	--	100034-1-5
Study of acoustical parameters of bioactive compound with benzyl propionate using ultrasonic technique	P. Padmavathi, S. Irudaya Sahaya Lancy, A. Mathana Gopall, Jessie Fernando , J. Poongodi, Krishna Kumar Pandey and Moses Ezhil Raj	AIP Conference Proceedings	2022	2446	--	100029-1-5

Comparative Analysis of Commercial and Herbal Extorted Cough Syrups in Tamilnadu (South India) Zone - An Investigation by Methodologies of Spectral Way and High Frequency (Ultrasonic) Waves to Predict Samples Efficacy	P Padmavathi, Senthil Kannan K, Jessie Fernando , Poongodi , Vijayalakshmi B, Moses Ezhil raj, Irudaya Sahaya Lancy S	AIP Conference proceedings	2022	2385	--	060001 - 060006
Thermo-acoustic studies of ethyl propionate with propan-2-ol at different temperatures using ultrasonic technique	P Padmavathi, A. Lucas Rexcelin, A. Mathana Gopal, Irudaya Sahaya Lancy S, Krishna Kumar Paney, Jessie Fernando , J. Poongodi ,	Materials Today: Proceedings	Aug 2022	67	2022	821 - 826
Molecular Interaction in Binary Mixtures of Benzyl propionate with methanol at different temperatures: An Ultrasonic study	Jessie Fernando , Jeeva Rani Thangam G , P Padmavathi, , Irudaya Sahaya Lancy S , Krishna Kumar Pandey, and Poongodi	Neuroquantology	Dec 2022	20	22	3674-3682

As Resource Person

Date	Name of the Institution	Invited As	Topic/Event
24.04.2024	APC College for Women, Thoothukudi	Chief Guest	College Day

07.06.2023	St. Ann's School, Thoothukudi	Resource person	Orientation programme for Staff
26. 08. 2019	St. Philomena's Girls Hr. Sec. School Trichy	Chief Guest	Sport's day
23.03. 2018	Servite College of Arts and Science, Thogaimalai	Chief Guest	College Day
13.04.2017	Annammal College of Education for Women, Thoothukudi	Chief guest	College Day
21.07.2016	Wavoo Wajeeha Women's College of Arts and Science, Kayalpatnam	Chief guest	Inaugural function of College students' union
01.01.2014 – 29.01.2014	New Delhi	Camp Officer NCC Directorate	NCC Republic Day Camp
20.09.2013– 21.09.2013	Servite Nursing College, Manikandam, Trichy	Resource person	Orientation programme for Staff
07.09.2013- 16.09.2013	National Engineering College	Camp Training Officer	Camp
24.02.2013- 25.02.2013	St.Thomas Matriculation School, Thoothukudi	TCI principles & objectives	TCI workshop
30.01.2013– 03.02.2013	F.X. Engineering College, Tirunelveli and Ruth cohn institute (RCI) for TCI, India. (Tamilnadu chapter)	Co-facilitated an international workshop	Leading myself & leading groups – Let us discover & experience methods and tools

Others:

Awards received:

- Received ₹90,000 from the Tamil Nadu State Council for Science and Technology (TNSCST) to conduct Inservice Training for Science Teachers (Reference: TNSCST/INST/2022-23/284).
- Received the Defence Secretary's Commendation Card, a medal and an incentive of Rs.5000 for committed and selfless service rendered in NCC during the year 2013. This award is given from the Ministry of Defence.

- Detailed as contingent ANO for Republic day camp 2014 and participated in the National level Republic day camp held at New Delhi from 1st to 29th January 2014.
- Received the best women award for the year 2016 honoured by the Tuticorin Multipurpose Social Service Society.

Responsibilities held:

- Ethics classes for more than 15 years
- Active member in Fine Arts Committee
- Physics Association
- Conducted quiz for the quiz club members
- Accompanied girls during annual tour
- Member in the Union Staff Advisors Committee
- Member of IQAC
- NCC Officer (2006 – 2014)
- Vice Principal (2008-2009)
- Convener of International Conference on generative leadership
- Controller of Examinations (2010-2013)
- Convener of National Conference on Advanced materials (NCAM–2013)
- Member of organizing committee of International Conference on Solar Energy (INCSE-2015)
- Secretary (2015–2018)
- CAS – Screening Committee – Appointed as Subject Experts in the Department of Physics in VOC College.
- Appointed as a member of Doctoral Committee for the student Ms. P. Yamuna, Department of Physics, Manonmaniam Sundaranar University.
- Member of Board of Studies in Department of Physics, Manonmaniam Sundaranar University, Tirunelveli.
- Convener of International Workshop on Theme Centred Interaction organized by the RCI for TCI India, Chapter of Tamil Nadu, India and Annammal College of Education for Women, Thoothukudi.
- Principal (2023)