

CURRICULUM VITAE

Dr. M. LAWRENCE M.Sc., M.Phil., B.Ed., PGDCSA, M.Sc. (I.T),

Ph.D. ASSISTANT PROFESSOR

DEPARTMENT OF PHYSICS

ST. JOSEPH'S COLLEGE(AUTONOMOUS)

TIRUCHIRAPPALLI – 620002

Email: jefflara1968@yahoo.co.in



Area of Research Interest:

- Material Science

Personal:

- Name: Lawrence
- Date of Birth: June 04,1968
- Nationality: Indian
- Sex: Male
- Marital Status: Married

Education:

- Ph.D. from Manonmaniam Sundaranar University, Tirunelveli, June 2013.
- M.Sc. Information Technology from Periyar University, Salem, November 2009.
- M.Phil. Physics from Urumu Dhanalaxmi College, Trichy, June 2004.
- B.Ed. Physical Science from Government college of Education, Pudukkottai, April 1992.
- PG. DCSA. Computer Science from St. Joseph's College (Autonomous), Trichy, April 1991.
- M.Sc. Physics from St. Joseph's College (Autonomous), Trichy, April 1990.

Employment Record:

- Assistant Professor: St. Joseph's college (Autonomous), Trichy from June 2013 onwards: Department of Physics.
- Assistant Professor: Kurinji College of Arts and Science, Trichy from June 1996 to August 2012.
- Assistant Professor: Thanthai Hans Roever College, Preambular from Jan 1995 to June 1996.

Teaching Experience: UG : 29 years 8 months

PG : 21 years

M.Phil. : 03 years

Research Experience: Ph.D.: 10 years

Paper Publications:

- M.I. Pratheepa, **M. Lawrence***(2021)" Conversion of Lagenaria Siceraria peel to reduced graphene oxide doped with zinc oxide nanoparticles for supercapacitor applications", Semiconductor Physics, Quantum Electronics & Optoelectronics, Vol.24, pp.115-123.
- M.Iniya Pratheepa, **M. Lawrence** (2020)" Eco-friendly approach in supercapacitor application: CuZnCdo nanosphere decorated in reduced graphene oxide nanosheets" _ Springer Nature, Vol.2. pp.318.
- M.Iniya Pratheepa, **Lawrence**, (2019)" Synthesis of pure, Cu and Zn doped Cdo nanoparticles by co-precipitation method for supercapacitor applications" Vacuum, Vol 162(2019), pp.208-213.
- J Gnanaraj, M Iniya Pratheepa, **Lawrence** (2018)" Synthesis of an anatase BaTiO2 nanostructures for electrochemical supercapacitor" Proceedings of the materials and technologies for energy conversion and storage: book of abstracts, Vol .50. page. 116
- J. Martin Sam Gnanaraj, M. Iniya Pratheepa, **M. Lawrence.**, (2018)" L-Lysine doped Oxalic acid single crystals - A potential phase matchable organic material for optical limiting applications", Optics and Laser Technology, vol.107, pp.478-483.
- M. Iniya Pratheepa, **M. Lawrence.** (2018)" Synthesis of CuO - Reduced Graphene Oxide Nanocomposite for High Performance Electrochemical Capacitors", vol.5, pp.4519-4524
- M. Iniya Pratheepa, **M. Lawrence**, (2017)" X-Ray Diffraction Analyses of Titanium Dioxide nanoparticles", International journal of scientific research in science & technology (IJSRST), vol.3., pp.83-88.
- **M. Lawrence**, J. Felicita Vimala., (2015)" Growth and characterization of pure and L-Alanine doped Zinc Tris-thiourea Sulphate (ZTS) single crystals", International Journal of Engineering Science and Innovative Technology (IJESIT, vol.4., pp.208-214.
- **M. Lawrence**, J. Felicita Vimala., (2015)" Growth, Optical, Thermal and Mechanical Studies of L-lysine Doped Sodium Acid Phthalate Crystal", International Journal of Advanced and Innovative Research (IJAIR), vol.3., pp342-346.
- **M. Lawrence**, J. Thomas Joseph Prakash., (2012)" Growth and Characterization of Pure and glycine doped cadmium thiourea sulphate (GCTS) crystals", Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy., vol.91., pp.30-34
- J. Felicita Vimala, **M. Lawrence**, J. Thomas Joseph Prakash, (2011)" Growth and Characterization of MPHb nonlinear Optical Single Crystal", Elixir Crystal Research Tech., vol.41., pp. 5689-5692.

- J. Felicita Vimala, **M. Lawrence**, J. Thomas Joseph Prakash., (2011)” Growth and Characterization of an Organic nonlinear Optical Crystal: Benzylic Acid”, Elixir Crystal Growth., vol.41., pp. 5660-5664.
- **M. Lawrence**, J. Thomas Joseph Prakash., (2011)” Growth and characterization of Pure and L-alanine doped ZTC crystals”, Elixir Crystal Growth., vol.41., pp. 5623-5628.
- **M. Lawrence**, J. Felicita Vimala, M. Iyanar., (2010)” Crystal growth, Thermal, Hardness, Etching Studies of a semi-Organic Non-Linear Optical Single Crystal: C₂H₅NO₂ Na (NO₃)”, Journal of Physical Sciences., vol.14. pp.219-226.
- J. Thomas Joseph Prakash, J. Felicita Vimala, **M. Lawrence.**, (2010)” Growth and Characterization of Organic NLO Material”., International Journal of Computer applications., vol.8., pp.18-21.
- J. Thomas Joseph Prakash, **M. Lawrence.**, (2010)” Growth and Characterization of Pure and L-lysine Doped Zinc (TRIS) Thiourea Sulphate Crystal”., International Journal of Computer applications., vol.8., pp.36-39.

Conference / Seminar / Workshop details

Title	Type	Organization Name	Place	Days	From Date	To Date
14th National Seminar on Crystal Growth	S	School of Advanced Sciences	-VIT University, Vellore	3	2010-03-10	null
National Conference on "Padiga valarchi arivial thozilnutppa karuthanrangu"	C	Department of Physics	-Anna University, Chennai.	2	2010-10-18	null
National Seminar on "Recent trends in Physics"	S	Department of Physics	-Shivani Engineering College, Trichy.	2	2011-03-18	null
XVII National workshop on "X-ray Crystallography"	W	PG and Research Department of Biotechnology and Bioinformatics	-Holy Cross College (Autonomous), Trichy	1	2011-08-25	null
National Seminar on "Advances in Material Science"	S	Department of Physics	-Manonmaniam Sundaranar University, Tirunelveli.	2	2012-01-23	null
"RECENT TRENDS IN MATERIALS SCIENCE-2012(NCRTMS-	C	Department of Physics	-K.S. Rangasamy College of Technology (Autonomous), Tiruchengode,	2	2012-10-12	null

2012)"			Nammakkal District.			
"National Conference on Advanced Materias (NCAM-2015)"	C	Department of Physics & Department of Electronics	-St. Joseph's College (Autonomous), Tiruchirappalli.	1	2015-02-06	null
Capacity Building Workshop for Faculty on e-Content Development	W	IQAC	-St. Joseph's College (Autonomous), Tiruchirappalli	4	2015-06-09	null
Workshop on Advanced Physics Experiments for College Teachers	W	Physics Department	-St. Joseph's College (Autonomous), Tiruchirappalli	2	2015-12-18	null
HIGHER EDUCATION IN THE KNOWLEDGE AGE: TECHNO-PEDAGOGICAL PERSPECTIVES AND INNOVATIONS	C	IQAC, ST. JOSEPH'S COLLEGE(AUTONOMOUS), TIRUCHIRAPPALLI	ST. JOSEPH'S COLLEGE(AUTONOMOUS), TIRUCHIRAPPALLI	2	2016-02-24	null
National conference on ADVANCED MATERIALS -2016 (NACM-2016)	C	Department of Physics, St. Joseph's college, Tiruchirappalli-2.	Tiruchirappalli-2	1	2016-10-07	null
INTERNATIONAL CONFERENCE ON ADVANCED MATERIALS	I	Department of Physics	-St. Joseph's college (Autonomous), Trichy	2	2017-12-14	null
International web Conference on ADVANCED MATERIALS - IWCAM 2019	I	PG & RESEARCH DEPARTMENT OF PHYSICS	St. JOSEPH'S COLLEGE (Autonomous), Tiruchirappalli	2	2019-02-28	null
NATIONAL LEVEL DEBATE ON CLIMATE EMERGENCY	C	ST. JOSEPH'S ACADEMY OF SOFT SKILLS(JASS)	ST. JOSEPHS COLLEGE(Autonomous), Tiruchirappalli	2	2019-12-05	2019-12-06
ABDUL KALAM ENDOWMENT LECTURE	S	DEPARTMENT OF PHYSICS	-ST. JOSEPH'S COLLEGE, TIRUCHIRAPPALLI	1	2021-03-24	2021-03-24
NON-LINEAR OPTICAL BEHAVIOUR OF NANO PARTICLES	S	DEPARTMENT OF PHYSICS	-LADY DOAK COLLEGRE-MADURAI	1	2020-05-28	2020-05-28
FUNDAMENTAL CONCEPTS OF	S	DEPARTMENT OF PHYSICS	-SRI VANI DEGREE&PG	1	2020-0-	2020-0-

THERMODYMICS IN PHYSICS			COLLEGE, AP		07-27	07-27
INTERNATIONAL WEBINAR LECTURE SERIES ON LASERS, OPTICS&PHOTONICS	S	DEPARTMENT OF PHYSICS	-CHIKKKANA GOVERNMENT ARTS COLLEGE, TIRUPPUR	3	2020-06-11	2020-06-13
WEBINAR ON RENEWABLE SOURCES OF ENERGY	S	DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING	-MOHAMED SATHAK AJ COLLEGE OF ENGINEERING, CHENNAI	1	2020-07-11	2020-07-11
SENSORS & MICROCONTROLLERS AND EARTH S MAGNETIC FIELD	S	DEPARTMENT OF PHYSICS	-QUIAD-E-MILLATH GOVERNMENT COLLEGE FOR WOMEN(A), CHENNAI	1	2020-06-06	2020-06-06
Be.You.ti ful	S	DEPARTMENT OF ELECTRONICS AND COMMUNICATION ELECTRONICS	-ST. JOSEPH'S INSTITUTION OF TECHNOLOGY, CHENNAI	3	2020-07-11	2020-07-13
THIN FILM TECHNOLOGIES IN OUR DAILY LIFE	I	DEPARTMENT OF PHYSICS	-S. VELLAICHAMY NADAR COLLEGE, MADURAI	1	2020-05-30	2020-05-30
ADVANCED MATERIALS - WEBINAR SERIES 2021 -SUPER CONDUCTORS	S	DEPARTMENT OF PHYSICS	-ST. JOSEPH'S COLLEGE (AUTONOMOUS)	1	2021-08-24	2021-08-24
ADVANCED MATERIALS - WEBINAR SERIES 2021 -MATERIALS CHARACTERIZATION USING NDT	S	DEPARTMENT OF PHYSICS	-ST. JOSEPH'S COLLEGE (AUTONOMOUS)	1	2021-09-20	2021-09-20
OPEN EDUCATIONAL RESOURCES, SEARCH, IDENTIFY, REPURPOSE AND CREATE YOUR OER	S	ST. JOSEPH'S COLLEGE (AUTONOMOUS)	-ST. JOSEPH'S COLLEGE, TIRUCHIRAPPALLI	1	2021-09-25	2021-09-25
ADVANCED MATERIALS - WEBINAR SERIES 2021 -RECENT TRENDS IN LASER MATERIALS PROCESSING	I	DEPARTMENT OF PHYSICS	-ST. JOSEPH'S COLLEGE (AUTONOMOUS)	1	2021-10-21	2021-10-21

ADVANCED MATERIALS - WEBINAR SERIES 2021 -ADVANCES IN MATERIALS-FOCUS ON SOLAR ENERGY	S	DEPARTMENT OF PHYSICS	-ST. JOSEPH'S COLLEGE (AUTONOMOUS)	1	2021-11-15	2021-11-15
ADVANCED MATERIALS - WEBINAR SERIES 2021 -NOVEL MAGNETIC MATERIALS	S	DEPARTMENT OF PHYSICS	-ST. JOSEPH'S COLLEGE (AUTONOMOUS)	1	2021-12-20	2021-12-20
INTERNATIONAL CONFERENCE ON ADVANCED MATERIALS (ICAM 2022)	I	DEPARTMENT OF PHYSICS	-ST. JOSEPH'S COLLEGE (AUTONOMOUS)	2	2022-02-11	2022-02-12
INTERNATIONAL WEBINAR ON ADVANCED MATERIALS - IWAM 2021	C	DEPARTMENT OF PHYSICS	-ST. JOSEPH'S COLLEGE (AUTONOMOUS)	2	2021-03-03	2021-03-04
Webinar Series On Materials for energy and Environment (WSMEE22-23) (Topic: Advanced in Graphene based 2D Materials))	S	Department of Physics	-St. Joseph`s college (Autonomous), Tiruchirappalli - 620002	1	2023-01-30	2023-01-30
Webinar Series On Materials for energy and Environment (WSMEE-22 -(Topic: Recent Trends in Advanced Polymer Materials)	S	Department of Physics	-St. Joseph`s college (Autonomous), Tiruchirappalli - 620002	1	2022-12-19	2022-12-19
Webinar Series on Materials for energy and Environment (WSMEE-22) (Topic: Recent Trends in Water Splitting)	I	Department of Physics	-St. Joseph`s college (Autonomous), Tiruchirappalli - 620002	1	2022-11-03	2022-11-03
WORKSHOP ON SYNTHESIS AND CHARACTERIZATION OF RARE EARTH DOPED GLASSES	W	Department of Physics	-St. Joseph`s college (Autonomous), Tiruchirappalli - 620002	1	2022-09-14	2022-09-14
International	I	Department of physics &	-St. Joseph`s college	2	202	202

Conference on Current Research and Advancements in Materials Science and Spectroscopy (ICCAMS 2023)		ISPA Chennai	(Autonomous), Tiruchirappalli - 620002		3-02-10	3-02-11
International Conference on Crystal Growth and Spectroscopy	I	Department of Physics	-St. Joseph`s college (Autonomous), Tiruchirappalli	3	2022-08-29	2022-08-31
FACULTY DEVELOPMENT PROGRAMME ON PATENTS AND CONSULTANCY	R	IQAC	ST. JOSEPH`S COLLEGE (AUTONOMOUS), TIRUCHIRAPPLI	1	2023-11-20	2023-11-20
ELECTRONIC MONITORING OF OFFENDERS	S	DEPARTMENT OF PHYSICS	ST. JOSEPH`S COLLEGE (AUTONOMOUS), TIRUCHIRAPPLI	1	2023-10-25	2023-10-25
ADVANCES ON MATERIALS FOR RENEWABLE ENERGY STORAGE TECHNOLOGY AND SUSTAINABILITY	S	DEPARTMENT OF PHYSICS	ST. JOSEPH`S COLLEGE (AUTONOMOUS), TIRUCHIRAPPLI	1	2023-09-08	2023-09-08
ASTRONOMY FROM GROUND AND SPACE	S	DEPARTMENT OF PHYSICS	ST. JOSEPH`S COLLEGE (AUTONOMOUS), TIRUCHIRAPPLI	1	2023-08-29	2023-08-29
ORIENTATION PROGRAMME FOR THE TEACHING FACULTY	O	DEPARTMENT OF PHYSICS	ST. JOSEPH`S COLLEGE (AUTONOMOUS), TIRUCHIRAPPLI	2	2023-06-15	2023-06-16
INTERNATIONAL CONFERENCE ON ADVANCED MATERIALS (ICAM 2023)	I	IQAC	ST. JOSEPH`S COLLEGE (AUTONOMOUS), TIRUCHIRAPPLI	2	2023-12-08	2023-12-09
ANU awareness programme 2023 on ATOMS in the service of the Nation	C	IGCAR-THE ACADEMY OF SCIENCES AND DEPARTMENT OF PHYSICS	ST. JOSEPH`S COLLEGE, TIRUCHIRAPPLI	2	2023-11-30	2023-12-01

M.Phil. / Ph. D guidance details:

M.Phil : 06

Ph.D: 02

- **Ref.No.40404/Ph. D/Physics, M. INIYA PRATHEEPA (2021) - SYNTHESIS OF GRAPHENE BASED METALLIC NANOPARTICLES FOR SUPERCAPACITOR APPLICATIONS. (GUIDE)**
- **Ref.No.47629/Ph.D. K2/Physics, M. KALAISELVI (2023) - A STUDY ON CORROSION INHIBITION AND ADSORPTION POTENTIAL OF GREEN INHIBITOR ON MILD STEEL IN ACID MEDIUM. (CO-GUIDE)**

Recognition:

Professional contribution:

- Acted as a Member of Board of studies in Electronics and Industrial Electronics (UG&PG) – 2009 to 2011, Bharathidasan University.
- Resource person for M.Sc. Physics Students at Directorate of Distance Education(DDE), Bharathiyar University, Coimbatore.
- Resource person for M.Sc. Physics Students at Directorate of Distance Education(DDE), Periyar University, Salem.
- Member, NAAC committee, SJC- 2016

Invited Talks:

- Personality Skills, Government Arts college, Thiruvarambur-Trichy, 25 Feb 2018
- St. Joseph's college (Autonomous), II M.Sc. (Physics) Shepherd programming's Independence Day, August -15th2024.

Workshops:

Workshop attended:

- XVII National workshop on “X-ray Crystallography” - Aug 25-26, 2011, Organized by PG and Research department of Biotechnology and Bioinformatics, Holy Cross College (Autonomous), Tiruchirappalli -2.