

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)

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Area of Research Interest:

- Material Science

Personal:

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

Education:

- Ph.D from Manonmaniam Sundaranar University, Trinelveli, 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, April1991.
- 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, Perambalur from Jan 1995 to June 1996.

▪ **Publications:**

- M.Iniya Pratheepa, **M.Lawrence**,(2018)"Synthesis of pure, Cu and Zn doped Cdo nanoparticles by co-precipitation method for supercapacitor applications"Vacuum, Vol 162(2018), pp.208-213.
- 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: Benzilic Acid", Elixir Crystal Growth.,vol.41.,pp. 5660-5664.
- **M. Lawrence**, J. Thomas Joseph Prakash.,(2011)" Growth and characterization of Pure and L-alaniine 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.

Students:

Ph.D Thesis Mentor:

- M. Iniya Pratheepa, “Synthesis of some Graphene based metallic nanoparticles for Dye Sensitized Solar Cell and Super Capacitor applications”, In Progress

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

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.