

DEVELOPMENT PROGRAMS

- Recent Developments and applications in advanced materials, Department of physics & chemistry, St. Joseph College of Engineering on 03-09 March 2025
- Empowering innovation & research: A Comprehensive FDP on Intellectual Property Rights, Department of Research and Development is association IIC, Indra Ganeson Institutions. From 24.02.2025 to 01.03.2025
- Faculty Development Program under DBT Star Status Scheme organized by Department of Physics on Development Materials Characterization Techniques and their future prospects, Sri G.V.G Visalakshi College for women, Udumalaipet, Tamilnadu. from 18.12.23 to 22.12.23
- Faculty Development Program organized by Department of Physics and Centre for Nanoscience and Nanotechnology on Development Advanced materials for Energy Applications, Sathyabama Institute of Science and Technology, Chennai from 9.10.23 to 13.10.23

PAPER PRESENTATION IN INTERNATIONAL/NATIONAL CONFERENCES

- Dennis Raj, A, R. Purusothaman, Vetha Potheher, I, “1-((4-methylpiperazin-1-yl)(phenyl)methyl)naphthalen-2-ol: A Mannich base organic NLO material for the analysis of electro-optic applications”, National conference on Recent Trends in Plant Science and Atmospheric Physics (**RTPSAP-2022**), E.S. Arts and Science College, Villupuram. 26th May 2022.
- Lalitha S, Murali M.K., “Effect of magnese doping on structural, optical and vapour sensing properties of spray deposited Zinc oxide thin films”, National conference on Recent Trends in Plant Science and Atmospheric Physics (**RTPSAP-2022**), E.S. Arts and Science College, Villupuram. 26th May 2022.
- Sowndarya S, “ Nanoarchitextured label free in-situ SERS platform for KNA detection”, National conference on Recent Trends in Plant Science and Atmospheric Physics (**RTPSAP-2022**), E.S. Arts and Science College, Villupuram. 26th May 2022.
- Dennis Raj, A, Vetha Potheher, I, “Synthesis, growth, characterization and quantum chemical calculation of 2-naphtholderived Mannich base 1-(morpholino(phenyl) methyl) naphthalen-2-ol: A Nonlinear optical single crystal”, National conference on Functional Materials (**NCFM -2020**), Noorul Isalam Centre for Higher Education (Deemed to be University), Kanyakumari District. 24th February 2020.
- Dennis Raj, A, Vetha Potheher, I, “Synthesis growth and characterization of new Mannich Base Nonlinear optical material”, National conference on Semiconductors, Surfaces Alloys Modeling and Preparation (SSAMAP – 2019), Sree Sevugan Annamalai College, 6th December 2019.
- Dennis Raj, A, Vetha Potheher, I, “Synthesis, Growth of a Potential Nonlinear Optical Organic Mannich base single crystal and characterization”, International seminar on Materials Science and Technology (ISMST-2017), Mother Teresa University, Kodaikanal. 4th August 2017.
- Dennis Raj, A, Shankar, M, Purusothaman, R, Vimalan, M & Vetha Potheher, I, “Growth and Physio Chemical Analysis of 1-((4-methylpiperazin-1-yl)(phenyl)methyl)naphthalen-2-ol: A Mannich Base Organic Non Linear Optical Single Crystal for Electro-optic Applications”, International Conference of Advance in Biological, Chemical and Physical Sciences (**ABCPS-2017**), TEQIP II sponsored, 13-15th March-2017, Anna

University, BIT campus, Trichy-24.

- Dennis Raj, A, Vetha potheher, I, “Synthesis and Spectral analysis of (1-morpholino(phenyl)methyl)naphthalen-2-ol)(MPMN): A nonlinear optical material”, International Seminar On Materials Science & Applications (**ISMSA-2016**), Mother Teresa University, Kodaikanal. 25th November 2016.
- Dennis Raj, A, Jeeva, M, Shankar, M, Purusothaman, R, Venkatesa Prabhu, G & Vetha Potheher, I, “Synthesis, Growth and Quantum Chemical studies of 1-((4-methylpiperazin-1-yl) (phenyl) methyl) naphthalen-2-ol: A Novel Organic Mannich base material”, National Conference on Advanced Materials (**NCAM-2016**), 7th October-2016, St. Joseph’s College, Trichy-2.
- Dennis Raj, A, Jeeva, M, Shankar, M, Purusothaman, R, Venkatesa Prabhu, G & Vetha Potheher, I 2016, “Synthesis, Growth and spectral analysis of 2-naphthol derived Mannich base 1-((4-methylpiperazin-1-yl)(phenyl)methyl)naphthalen-2-ol: A Novel Organic Non Linear Optical Single Crystal”, National Conference on Materials for

Sustainable Energy (**NCMSE-2016**), TEQIP II sponsored, 26-27th August-2016, Anna University, BIT campus, Trichy-24. (**Awarded Best Oral Presentation**)

- Dennis Raj, A, Vetha Potheher, I, "Second Harmonic Generation by Cadmium Mercury Thiocynate Glygol Monomethyl Ether(CMTG) Single CrystaL," National Seminar on Recent Trends in Physics (**NSRTP-2011**), Organized by Department of Physics, Shivani Engineering College (DST, New Delhi sponsored), Tiruchirappalli, 18-19 March 2011. (**Awarded Best Paper**).
- Dennis Raj, A, Thiagarajan, R, "A Study on the Effect of Molarity of Electrolyte in Nickel Cobalt Thn Film Prepared by Electrolysis Method", National Conference on Advances in Science and Technology (**NCAST-2011**), organized by Saveetha University, Chennai-602 105, 1st March 2011.(**Awarded Best Paper Prize**).

SEMINAR/WORKSHOP/FACULTY DEVELOPMENT PROGRAMME

- S. Lalitha Participated Faculty Development Programme on PH3151-Engineering Physics from 06.08.2022 to 13.08.2022 at Centre for Faculty Development, Anna Universtiy, Chennai.
- S. Pavitra Participated in the workshop on Sustainable materials advances and applications on July 22nd -2022 at SRM institute of Science and Technology, Ramapuram Campus Chennai.
- S. Pavitra Participated Faculty Development Programme on Advanced Computational and Experimental Research in Physics on 20th to 27th June-2022 at SRM institute of Science and Technology, Ramapuram Campus Chennai.
- A. Dennis Raj Participated MHRD sponsored Roundtable conference on the Role of Unnat Bharat Abhiyan in achieving sustainable Development Goals in Tamilnadu: Partnering with social and solidarity Economy on 5th February 2020 at Gandhigram Rural Institute (Deemed to University), Gandhigram, Dindugul.
- A. Dennis Raj attended TEQIP II sponsored National seminar on RECENT ADVANCEMENTS IN MATERIALS (**NSRAM-17**) on 24th & 25th March, 2017 at Anna university-BIT campus, Trichy-24.
- A. Dennis Raj attended a seven day Faculty Development Programme sponsored under TEQIP Phase II on Advances in Physics and Applied Research for Technologists (**APART-2013**) organized by Department of Physics, Anna University, Trichy-24. from 29.11.2013 to 06.12.2013.
- A. Dennis Raj participated in the workshop on Electron Microscopy organized by National Institute of Technology (**NIT**), Trichy during 4-5th November-2011.
- A. Dennis Raj participated in the two weeks AICTE-MHRD sponsored Staff Development Program on Recent Trends in Corrosion Control and Surface Engineering (**CC & SE-2009**), June 8-20, 2009.
- A. Dennis Raj participated in the National Level Workshop on Energy Storage Devices (**NLWESD**)-2008 conducted at the Departments of Chemistry and Physics, St.Michael College of Engineering and Technology, Kalayarkoil on 3rd December-2008