

Dr. R.SANGEETHA

Assistant Professor,
Department of Physics,
MannarThirumalaiNaicker College,
Pasumalai, Madurai-625004

✉ sangeethar@mannarcollege.ac.in
drsangeethamtnc@gmail.com



ACADEMIC QUALIFICATION**Doctoral Research**

- **University:** Madurai Kamaraj University, Madurai
- **Topic:** Optical Properties of Excitons in Strained CdZnTe/ZnTe Nano Structures
- **Year:** 2015

Master of Philosophy

- **University:** Bharathidhasan University, Trichy
- **Topic:** Growth and Characterization of L- Methionine Hydrochloride Single Crystal
- **Year:** 2008

Post – Graduation

- **University:** Madurai Kamaraj University, Madurai
- **Year:** 2006

Bachelor of Education

- **University:** Madurai Kamaraj University, Madurai
- **Year:** 2004

Under - Graduation

- **University:** Madurai Kamaraj University, Madurai
- **Year:** 2002

Teaching Experience**Total years of Experience: 14 years**

- **2006-2008-** Worked as a Lecturer in Bharath Niketan Engineering College, Theni .
- **2011-2016 -** Worked as Assistant Professor in NPR College of Engineering Technology Dindigul
- **From February 2016-** Worked as Assistant Professor in Mannar Thirumalai Naicker College, Madurai

Research Publications

1. K.Langeswaran, Saad Algarni, Muthumareeswaran Muthuramamoorthy, P.Saravanan, R.premkumar, R.Sangeetha "4-Fluorochalcone as a novel therapeutic agent for cervical cancer:An in -depth spectroscopic and computational study" in the **Journal of Molecular Structure** on December 2024
2. Rohini B, Kingson Solomen Jeevaraj A,Suvitha A, **Sangeetha R**, Revathi V, "Optimization of Thermal and Rheological Performance in Non- Polar Binary Fluids Using Hybrid CuO Nanoparticles" in the **Journal of Physics Conference Series** on November 2024
3. X.Vasanth Winston, S. Pugazhendhi , K. SenthilKannan , **R. Sangeetha**, P.Sasikumar, T.Rajeshkumar, Khalid Mufasam Batoo, Sajjad Hussain, S. Jeyaram , K. Ganesh Kumar and M.Vimalan "Investigations on gamma ray irradiated CMTC single crystals for opto-electronic application. **J Mater Sci: Mater Electron** 2024.
4. T.Rajesh Kumar, K. Langeswaran, **R. Sangeetha**, Sangavi P Chemical, Molecular docking, and Molecular dynamics studies on (2-methoxy-4-prop-2-enylphenyl) n-(2- methoxy-4-nitrophenyl)carbamate: A novel inhibitor of Hepatocellular Carcinoma. **Journal of Bio molecular Structure & Dynamics**. 2023.
5. C. Kirubhanand , J. Merciline Leonora , S. Anitha , **R. Sangeetha** , K. T. Nachammai , K. Langeswaran and S. Gowtham Kumar Targeting potential receptor molecules in non-small cell lung cancer (NSCLC) using in silico approaches. **Frontiers in Molecular Biosciences** 2023.
6. Abraham Hudson Mark J, Premkumar R,**Sangeetha R**, Lakshmi A, Langeswaran K. Structural ,Quantum Chemical ,Molecular Docking and Dynamics Studies of Quercetin – A Potent Inhibition for Colon Cancer. **Journal of Polycyclic Aromatic Compounds**. 2022.
7. Sangavi P, **Sangeetha R**, Langeswaran K. Identification and validation of Hydroxychavicol from Betel leaf as a promising Breast cancer inhibitor – An in vitro and in silico analysis. *Journal of Current Enzyme Inhibition*. 2022; 18(2): 127-134.
8. Sangavi P, Langeswaran K,**Sangeetha R**, Gowthamkumar S, Senthilkumar R. Screening of Potential Breast Cancer inhibitors through Molecular Docking, and Molecular Dynamics Simulation. **BiomedResearchInternational Journal**. 2022;3338549.
9. **Sangeetha**, R. Premkumar, S.S. Maithili, C. Kirubhanand, S. Gowthamkumar, P. Sangavi, K. Langeswaran.Quantum Chemical, Vibrational, Spectroscopic, UV-Vissolvent effect, Molecular Docking and Molecular Dynamics Simulation investigation on phytocompounds from *Elettariacardamomum* against Covid – 19. **Journal of Polycyclic Aromatic Compounds**. 2022.

10. Shaslinah N, Sangavi P, **Sangeetha R**, Gowtham Kumar S, Sindhu Varghese, Langeswaran K. Screening and identification of potential inhibitor for visceral leishmaniasis through computational analysis. *Journal of Genetic Engineering and Biotechnology* 2022; 20: 35
11. Anitha R, **Sangeetha R**, ArockiaJeyaYasmiPrabha E, Sangavi P, Langeswaran K. Synthesis crystallization, XRD, Hirshfeld surface, vibrational spectra, and quantum chemical studies and Computational investigation of Caffeinium bisulfate: a new non centro symmetric form. *Journal of Biomolecular Structure and Dynamics*. doi.org/10.1080/07391102.2021.2015445.
12. **Sangeetha R**, ArockiaJeyaYasmiPrabha E, A. Lakshmi, Sangavi P, Langeswaran K. Molecular docking and dynamic simulations of Ocimum basilicum compounds against HCC and structural, vibrational, quantum, and chemical investigation of campesterol. *Journal of Biomolecular Structure and Dynamics* 2021 doi.org/10.1080/07391102.2021.1997816.
13. ArockiaJeyaYasmiPrabha E, **Sangeetha R**, Sangavi P, Langeswaran K, Athimoolam S. Experimental, and Theoretical Investigations on the Structure and Vibrational spectral analysis of oxalate complex of Nicotinamide and Computational scrutiny against Prostate cancer. *Journal of Biomolecular Structure and Dynamics* 2021 doi.10.1080/07391102.2021.1938231
14. ArockiaJeyaYasmiPrabha E, **Sangeetha R**, Langeswaran K, Athimoolam S. Structural, Vibrational, Quantum chemical and Thermal investigation of a nutraceutical drug in new zwitterionic crystal form (Nicotinic acid: Catechol) with enhanced cytotoxic activity in Cervical cancer HeLa cell line. *Journal of Biomolecular Structure & Dynamics* 2021; 1-14.
15. **R. Sangeetha**, K. Karthigaivel, P.S. Satheesh Kumar. Magnetic field induced donor binding energy of a GaN/AlGaIn quantum dot. *Materials Today: Proceedings*. 2020
16. Satheesh Kumar PS, **Sangeetha R**, Sivakumar R, Amalraj L. Effects of substrate temperature on structural and photoelectronic properties of SnSe thin films by nebulized spray deposition for solar cell applications. *Materials Today: Proceedings*. 2020.
17. **Sangeetha R**. Modified growth technique and characterization of SCN Ligand based NLO CMTc and MMTC single crystals. *Journal of Applied Science and Computations*, 2019; 6(4):
18. **Sangeetha R**. Influence of KDP on the growth and Characterization of NLO Single Crystal of LADI. *GTN Multidisciplinary journal* 2018.

19. **Sangeetha R**, John Peter A. Band Alignment of Strained ZnCdTe/ZnTe Quantum dot, The Mannar Scroll 2017; 5: 3.
20. Francis S, **Sangeetha R**, John Berchmans L. Charge Density in High Temperature Grown $\text{Zn}_x\text{Fe}_x\text{O}$ Powder. The Mannar Scroll 2017; 5: 3.
21. Honest Arul Raj J, Rajeshkumar T, **Sangeetha R**. The Structural and Optical Properties of Urea Doped Lasc NLO Single Crystal 2017; 4(10).
22. Gowri M, Sathya G, John Berchmans L, **Sangeetha R**, Francis S, Lakshmi A. The effect of chemical composition of molten flux in the structural evolution of CeVO_4 , The MannarScroll 2017; 4: 1.
23. **Sangeetha R**, John Peter A, Chang KyooYoo. Electric field induced third order susceptibility of third order harmonic generation in a $\text{Cd}_{0.2}\text{Zn}_{0.8}\text{Te}/\text{ZnTe}$ quantum dot. Quantum Matter 2015;4: 1.
24. **Sangeetha R**, John Peter A. Effects of strain on the band alignment and the optical gain of a CdTe/ZnTe quantum dot. Canadian J Phys 2014; 92: 1-9.
25. **Sangeetha R**, John Peter A, Chang Woo Lee. Effects of quantum confinement and magnetic field strength on Landé g-factor in a $\text{Cd}_{0.8}\text{Zn}_{0.2}\text{Te}/\text{ZnTe}$ strained quantum dot, J ComputTheorNanosci 2014; 11: 1.
26. **Sangeetha R**, John Peter A, Chang kyooYoo. Strain induced optical properties of CdTe/ZnTe quantum dots. Super lattices and micro structures 2014; 66: 54.
27. **Sangeetha R**, John Peter A. Strain induced optical gain in a $\text{Zn}_x\text{Cd}_{1-x}\text{Te}/\text{ZnTe}$ quantum dot nanostructure. AIP ConfProc2013; 1512: 1014.
28. **SangeethaR**, John Peter A. Pressure induced nonlinear optical rectification of a confined exciton in a $\text{Cd}_{0.8}\text{Zn}_{0.2}\text{Te}/\text{ZnTe}$ strained quantum dot. Elixir Nuclear & Radiation phys2013; 64: 19071.
29. **Sangeetha R**, John Peter A. Dielectric Confinement on Exciton Binding Energy in a II-VI Semiconductor. Elixir Semiconductor Materials 2012; 50: 10517

Book Chapter

- ✿ GowthamKumar Subbaraj, SindhuVarghese, Langeswaran Kulanthaivel, Lakshmi Alagarsamy,**sangeethaRajaram**andSangeethaRamanathan.CardiovascularandCoronary ArteryImaging “Gene Polymorphism and the risk of coronary artery disease”**Elsevier Academic Press. 2021 ISBN: 9780128227060.**
- ✿ SangaviJ,Geevaprabhakaran G, **Sangeetha R**, Vijayalakshmi P, Gowtham Kumar S, LANGESWARAN K. Perspectives of Stem Cell Therapy: a promising therapeutic for cancer model and Alzheimer’s disease. Book Title: Handbook of Animal Models and its Uses in CancerResearch.**Springer Nature 2022. ISBN: 978-981-19-1282-5.**
- ✿ K.T. Nachammai , R. Srinithi , P. Sangavi , **R. Sangeetha** , S. Gowtham Kumar , R. Lakshmi Sundarame , and KulanthaivelLangeswaran Phospholipase A2 and hepatocellular carcinoma progression. Book Title: PHOSPHOLIPASES IN PHYSIOLOGY AND PATHOLOGY.**Elsevier2023 ISBN: 978-0-323-95687-0.**

✿ Text Book Published

T. Rajesh Kumar, K.Langeswaran, **R.Sangeetha**. Nano Physics. 2022. New Century Book Century, Tamil Nadu, India. ISBN: **978-81-2344-240-2.**

Paper presented in Conference/Seminar

- 1 Presented a paper in the National Level Conference on Recent Advancement in Nanoscale Research (NCRNR 2012), organized by Anna University, Madurai in Aug 2012. **Title:** “Dielectric confinement on exciton binding energy in an II-VI semiconductor.
- 2 Presented a paper in the National Level Conference on New Materials Research and Nanotechnology (NSNMRN-2012) organized by Government Arts College Ooty in Sep 2012. **Title:** Investigations on the optical gain of a CdTe/ZnTe quantum dot.
- 3 Presented a paper in the 57th DAE Solid State Physics Symposium at Indian Institute of Technology Bombay in Dec 2012. **Title:** Strain induced optical gain in a $\text{Zn}_x\text{Cd}_{1-x}\text{Te}$ / ZnTe quantum dot nanostructure.
- 4 Presented a paper in the National Conference on Recent Development in Physics organized by the Department of physics Government Arts College, Melur in Jan 2013. **Title:** Nonlinear optical properties in a wide band gap semiconductor.

- 5 Presented a paper in the National Level Conference on Recent Trends in Advanced Materials organized by JayarajAnnapackiam College for Women Periyakulam Feb 2013. **Title:** Effects of hydrostatic pressure on nonlinear optical properties of an excition In II-VI Semiconductor Nano-dot.
- 6 Presented a paper in the National Level Conference on Recent Development in Nanomaterials organized by Mohamed Sathak Engineering College, Kilakarai in March 2013. **Title:**Magnetic field induced Landé g-factor in a CdZnTe/ZnTe dot.
- 7 Presented a paper in theInternational Level Seminar on Materials Science and Technology organized by Mother Teresa Women's University,Kodaikanal Aug 2017. **Title:**Structural and Optical Properties of V₂O₅ Thin flim.
- 8 Presented a paper in theNational Level Conference on Prepation and Characterization of Crystalline Materials organized by Govt. Arts College, Tiruvannamalai in Sep 2017. **Title:**Structural, Electrical Optical Properties of KDP doped LADI NLO Crystal.
- 9 Presented a paper in the National Level Conference onRecent Advances in Materials Science organized by G.T.N Arts College, Dindigul in March 2019. **Title:**Modified Growth Technique and Characterization of Blue Light Emitting SCN Ligand based NLO Single Crystal.
- 10 Presented a paper in the International Level Conference on Advanved Materials for Sustainable Energy and Sensors organized byAlagappa University, Karaikud in Sep 2019.**Title:**Synthesis and Optical Characterization of SCN Ligand Non Linear Optical Single Crystal.
- 11 Presented a paper in the State Level Seminar on Emerging Trends in Chemical Science and Technology Sciences organized by G.T.N Arts College, Dindigul in Oct2019. **Title:** Synthesis and Characterization of Bis (Thiourea) Nickel Chloride Non Single Crystal.
- 12 Presented a paper in theInternational Level Seminar on Emerging Trends in Chemistry & Energy Science organized by Saraswathi Narayanan College, Madurai in Fen 2020. **Title:** Fabrication and Characterization of CdS/CdTe.
- 13 Presented a paper in theInternational Conference on Frontiers in Chemistry and Material Science organized by Mannar Thirumalai Naicker College ,Madurai in Jan2021. **Title:** Preparation & Conductivity Characteristics Na⁺ ions conducting electrolytes based on PVA & PVP.

- 14 Presented a paper in the International Conference Recent Advancement in material science and its applications organized by MannarThirumalaiNaicker College ,Madurai in Jan 2023. **Title** Synthesis and Characterization of Zinc Sulfide thinfilms By chemical Bath Deposition.

- 15 Presented a paper in the International Conference Recent Advancement in material science and its applications organized by MannarThirumalaiNaickerCollege ,Madurai in Jan 2023 . **Title** Effect of Capping Agent on SnS Nanoflower By Solvo thermal Method .

- 16 Presented a paper in the International Conference Advanced Nanomaterials for Energy and Environment Applications organized by Alagappa University in Feb 2023. **Title:** Quantum Chemical, Vibrational Spectroscopic, and Molecular Docking Studies on 4-Fluorochalcone: A Potent Cervical Cancer.

- 17 Presented a paper in the International Conference on Advances in smart Materials 2024 organized by Saraswathi Narayanan College,Madurai 9 August 2024. **Title :** Development of Synthetic Polymer Sodium -ion Conucting Solid Electrolyte for Energy Applications.

- 18 Presented a paper in the International Conference on Emerging Trends in Physics , Energy, Storage Materials and Nanotechnology organized by MannarThirumalaiNaicker College, Madurai 2nd & 3rd February 2025.**Title** : Exploring the Therapeutic Potential of 4-Hydroxychalcone Against Hepatocellular Carcinoma: A Quantum Chemical and Molecular Docking Study

- 19 Presented a paper in the International Conference on Emerging Trends in Physics , Energy, Storage Materials and Nanotechnology organized by MannarThirumalaiNaicker College, Madurai 2nd & 3rd February 2025.**Title** :Novel Solid Biopolymer Electrolyte Film for Battery Application Based Flaxseed Gum Doped Ammonium Bromide

- 20 Presented a paper in the International Conference on Emerging Trends in Physics , Energy, Storage Materials and Nanotechnology organized by MannarThirumalaiNaicker College, Madurai 2nd & 3rd February 2025.**Title:**Heronion Mean Index of Titania Nanotubes.

- 21 Presented a paper in the National Conference on Advance on Applied Mathematics and IKS organized by Mannar Thirumalai Naicker College, Madurai 28th February 2025. **Title:** Crystallography Analysis of Organic Compounds using Artifical Intelligence and Graph Theory

- 22 Presented a paper in the National Conference on Advance on Applied Mathematics and IKS organized by Mannar Thirumalai Naicker College, Madurai 28th February 2025. **Title:** Graphset Analysis of Organic Compounds .
- 23 Presented a paper in the International Conference on Advancements in Theoretical, Experimental and Observational Physics organized by The Madura College, Madurai 11th March 2025. **Title:** Development of Enhanced Solid Polymer Electrolyte Blende Based on PVA/ Sodium Alginate with NaClO₄ for Energy Applications.
- 24 Presented a paper in the International Conference on Recent Advances and Innovations in Science, Engineering, Technology and Management organized by Solamalai College of Engineering , Madurai 25th & 26th April 2025 .**Title:** Synthesis and Characterization of Co₃O₄ Nanostructures for Supercapacitor Applications

Projects Completed

S.No	Title of the Project	Funding Agency	Amount in ₹
1	Preparation and Characterization of novel Oxide Materials for Energy and Environmental Applications	Mannar Thirumalai Naicker College	25,000.00
2	Modified Growth Technique and Characterization of SCN Ligand based NLO CMTC and MMTC Single Crystal	Mannar Thirumalai Naicker College	25,000.00
3	Investigation and screening of novel inhibitor for hepatocellular carcinoma from Ocimum basilicum using bioinformatic tools	Mannar Thirumalai Naicker College	25000.00
4	Spectroscopic Characterization and Molecular Docking Studies on 4 – Fluorochalcone and 4 – Hydroxychalcone: A novel cervical cancer drug	Mannar Thirumalai Naicker College	25000.00
5	DFT Calculations, Molecular Reactivity, in Silico and in Vitro Anticancer activity Studies on 4-Nitrochalcone: A potential cervical cancer drug	TNSCST	7500.00

Distinctive Achievements /Awards

- ⊕ Received SIR CV Raman Best Young Scientist Award from Bose Science Society and sponsored by Tamil Nadu Scientific Research Organization, Tamil Nadu, India on 2019
- ⊕ Received Dr.APJ Abdul Kalam Award for Scientific Excellence for the Year 2020 from Marina Labs, Chennai on March 2021.
- ⊕ Bose Science society fellowship 2019

Orientation Programmes & Refresher Courses

- ➡ 100th Orientation Program at Bharathidasan University, Tiruchirappalli (15.11.2017-12.12.2017), Tamil Nadu, India.
- ➡ Refresher Course in Recent Trends in Physics for Energy and Environment at Madurai Kamaraj University, Madurai. (13.02.2020 -26.02.2020), Tamil Nadu, India.
- ➡ Refresher Course in Inter Disciplinary online two-week Refresher Course / Faculty Development Programme on “Managing Online Classes & Co – creating MOOCS 7.0” at CMS College (Autonomous) Kottayam(05.08.2021-19.08.2021),Kerala, Tamil Nadu
- ➡ Refresher Course in Recent Advances in the in Physics of Materials at Madurai Kamaraj University, Madurai. (7.10.2022 -20.10.2022), Tamil Nadu, India.

FDP, Conference, Symposium and Workshop Attended

- ISTE National workshop on Aakash for Education in Nov 2011 conducted by NPR College of Engineering and Technology, Dindigul.
- ISTE National workshop on Engineering Thermodynamics conducted in Dec2012 by NPR College of Engineering and Technology, Dindigul collaboration with IIT Remote Center.
- Two Week ISTE National workshop on Fluid Mechanics in May 2014 conducted by NPR College of Engineering and Technology, Dindigul collaboration with IIT Remote Center.

- Conference on Introduction to Theoretical Physics in Aug 2016 conducted by Govt Arts College, Melur.
- Science Academies Lecture Workshop on Interaction of Radiation with Matter in Dec 2017 conducted by Govt Arts College, Melur.
- Faculty Development Programme in Mar2017conducted by Mannar Thirumalai Naicker College, Madurai.
- Faculty Development Programme on online Teaching, Learning and Assessment using Moodle, MOOC platform, open educational resources & Education Technology Tools in Oct 2017 conducted by Mannar Thirumalai Naicker College, Madurai.
- Faculty Development Programme on E-content Development and Digital Tools in Mar 2018 conducted by MannarThirumalaiNaicker College, Madurai.
- Workshop on Technicalities of writing research proposal in Jun 2018 conducted by Mannar Thirumalai Naicker College, Madurai.
- Workshop on Intellectual Property Rights, Skill Development Programmes, Innovations, Patents and Setting Up Incubation Centers in Jan2019 conducted by Mannar Thirumalai Naicker College, Madurai.
- Promotion of API Score and CAS Filling in Mar 2019 conducted by Mannar Thirumalai Naicker College, Madurai.
- Training and Production Workshop on Prospects of outcome based curriculum in Mar 2019 conducted by Mannar Thirumalai Naicker College, Madurai.
- Workshop on Outcome Based Education in Aug 2019 conducted by Mannar Thirumalai Naicker College, Madurai.
- Workshop on Research Writing and Publications: Theory and Practice in Oct 2019 conducted by MannarThirumalai Naicker College, Madurai.
- Faculty Development Programme on “Promotion of API Score and Career Advancement Scheme” in Mar 2020 conducted byMannarThirumalaiNaicker College, Madurai.
- Faculty Development Programme on “21st Century Skills” in Mar 2020conducted by Mannar ThirumalaiNaicker College, Madurai.

- Workshop on Quality Assurance and Sustenance in Higher Education in Mar 2020 conducted by MannarThirumalai Naicker College, Madurai.
- Online Faculty Enrichment Programme in Mar 2020 conducted by Mannar Thirumalai Naicker College, Madurai.
- Two days In- Service Teacher Training Programme in May 2022 to organized by Tamilnadu State Council For Science and Technology.
- Two days State level technical workshop on Intellectual property rights 16&17 Oct 2023 conducted by TNSCST, DST and Mannar Thirumalai Naicker College.
- Four days Hands on training on 2-5 Sep 2024 conducted by Amirta Vishwa Vidyapeetham and Birds India Li-ion Battery, Coimbatore.
- Five days National level workshop Entitled “Frontiers in Chemical Research : Innovations and Applications on 17th to 21th February2025 at Vel Tech Deemed University.

Webinar Participated

- ★ Participated in National Faculty Enrichment Programme organized by Internal Quality Assurance Cell of MannarThirumalaiNaicker College May 2020.
- ★ Participated in Faculty Development Programme on Data analysis & visualisation of COVID 19 Dataset using Python in May 2020 organized by Department of CSE in association with CC+ Computational intelligence research foundation, Chennai.
- ★ Participated in Micro & Nanotechnology and its Applications in May 2020 organized by Department of Physics, G.N.T Arts and College, Dindigul
- ★ Participated in Bio Diversity in May 2020 organised by ECO Club, MannarThirumalaiNaicker College, Madurai
- ★ Participated in the series of online lectures in Solid State Physics – Series I: Electrons in Solids in May 2020 organized by Department of Theoretical Physics, University of Madras

- ★ Participated in Thin Film Technologies in our daily life in May 2020 organized by the PG and Research Department of Physics, Nadar Mahajana Sangam S. Vellichamy Nadar College, Madurai.
- ★ Participated in FDP on Applications of Molecular Techniques in Biomedical Research in May 2020 organized by RUSA 2.0 Entrepreneurship and career hub, University of Madras
- ★ Faculty Development Programme on “Innovations in Applied Research for Science and Technology” Oct 2021 organized by KDK College of Engineering, Nagpur.
- ★ Participated in Workshop on “Sustainable Materials Advances and Application” July 2022 organized by SRM Institute of Science and Technology, Ramapuram, Chennai.
- ★ Participated in International Virtual Conference on “Material Science and Applications” Feb 2023 organized by Seethalakshmi Ramaswami College, Tiruchirappalli.
- ★ Participated in National Virtual Workshop on Machine Learning: An IceB, in 12&13 April 2023 SSN Research Centre, SSN Institutions Chennai. Reaker Between Materials Research and Data Science.
- ★ Participated in Five days online FDP on “Theoretical & Experimental Physics” in May & June 2023 Organized by School of Advanced Sciences and G.T.N Arts College Dindigul at Vellore Institute of Technology, Chennai.

Reviewer for Journals

- ❖ Materials Today: Proceedings
- ❖ Journal of Physics Conference Series

Events organized

S. No	Date	Name of the Programme	Role	Funding Agency
1	17.02.2017	National level Seminar on Nano Science and Technology for Energy and Environment	Organizing Member	Mannar Thirumalai Naicker College
2	07.10.2017	National level Seminar on Developments in Advanced Materials and their Applications	Organizing Convenor	Mannar Thirumalai Naicker College
3	12.2.2019	Analytical Techniques in Preparation of Nano Materials	Organizing Member	Mannar Thirumalai Naicker College
4	25.03.2022	Emerging Technologies in Material Science	Organizing Convenor	Mannar Thirumalai Naicker College
5	21&22.12.2022	National Science Day	Organizing Convenor	TNSCST (₹ 2,00,000)
6	12.01.2023	International Conference Recent Advancement in material science and its applications	Organizing Member	Mannar Thirumalai Naicker College
7	3& 4 .02.2025	International Conference on Emerging Trends in Physics, Energy Storage Materials and Nanotechnology	Organizing Convenor	Mannar Thirumalai Naicker College

Invited Lectures

- ★ Guest Lecture on “Device fabrications of potentially viable materials” on 08-03-13 organized by Department of Physics, Rama Prabha College of Arts and Science, Dindigul
- ★ Guest Lecture on “Some Interesting optical properties of II-VI nano Semiconductors” on 22-01-13 organized by Department of Physics, V.V.Vannia Perumal College for Women, Virudhunagar.
- ★ Guest Lecture on “Electronic and Optical Properties of Wide Bandgap Semiconductors” on 18-02-13 organized by Department of Physics, Jayaraj Annapackiam College for Women, Periyakulam
- ★ Guest Lecture on “Shape Memory Alloys ” on 22-02-23 organized by Department of Physics, V.V.Vannia Perumal College for Women, Virudhunagar.
- ★ Guest Lecture on “Trouble Shooting of Electronic Gadgets” on 26-03-24 organized by Department of Physics, G.T.N Arts College, Dindigul.
- ★ Guest Lecture on “DFT and Simulation Software: A Beginner’s Guide for UG Students” on 27-03-25 organized by Department of Physics, G.T.N Arts College, Dindigul.

Member in Academic Bodies

- ▶ Question Paper Setter for UG, Examination Evaluation Board
- ▶ External Practical Examiner for Saraswathi Narayanan College, Madurai
- ▶ External Practical Examiner for SVN College, Madurai
- ▶ External Practical Examiner for Yadava College, Madurai
- ▶ Bos Member – S.Vellaichamy Nadar College
- ▶ External Practical Examiner for The American College, Madurai
- ▶ DC Member in SRNM College , Sattur & Govt. Arts College Melur.

Other Responsibilities in Institution

- ❖ Research Cell Member - 2015-16 to 2019
- ❖ IQAC Member - 2015 to 2016
- ❖ Certificate Course In charge - 2016 to 2017
- ❖ Criterion V (NAAC) Member - 2016 to 2019
- ❖ Science Club Convener - 2017 to 2019
- ❖ Women Development Cell Member - 2017 to 2019
- ❖ Bridge Course Member - 2018 to 2019
- ❖ Gandhian Thought Course Member - 2018 to 2019
- ❖ Nodal Officer (Community College &B.Voc) - 2018 to 2021
- ❖ Director (Community College &B.Voc) - 2019 to 2021
- ❖ Criterion III (NAAC) Member - 20120 to till date
- ❖ Red Ribbon Club Convenor (2022-2023)
- ❖ Science Club Convener – 2022 to 2023
- ❖ Eco Club Convenor- 2023 to till date
- ❖ Certificate & Add-on-Courses Committee member – 2023 to till date
- ❖ Calender Committee member- 2024 to till date
- ❖ Audit Committee Member- 2024 to till date