

PROFILE

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Educational Qualifications

Programme	Name of the Institution	University	Year of Passing	Aggregate Percentage
B.Sc., Physics	Rani Anna Govt. College for women, Tirunelveli.	ManonmaniamSundaranar University	April 2001	92
M.Sc., Physics	ManonmaniamSundaranar University, Department, Tirunelveli.	ManonmaniamSundaranar University	May 2003	85
M.Phil., Physics	ManonmaniamSundaranar University, Tirunelveli.	ManonmaniamSundaranar University	September 2004	70
SLET	Bharathiyar University, Coimbatore.	Bharathiyar University	2004	-
CGT	Sourashtra College, Madurai	Madurai Kamaraj University	March 2010	70.5
Ph.D.	V.H.N.S.N. College, Virudhunagar.	Madurai Kamaraj University	Pursuing	-

Ranks / Awards

- **University I Rank with Gold medal in B.Sc., Physics**
- **University I Rank with Gold medal in M.Sc., Physics**

Academic Experience

- Worked as Lecturer in Department of Science and Humanities, Francis Xavier Engineering College, Tirunelveli from 1.06.2005 - 31.01.2006.
- Worked as Lecturer in Department of Physics (SF), Sourashtra College, Madurai from 20.07.2006-04.08.2008.
- Worked as Lecturer in Department of PG Physics(SF) Sourashtra College, Madurai from 04.08.2009-31.08.2011.
- Working as Assistant Professor in Department of Physics, Sourashtra college, Madurai from 13.02.2013 – till date

Additional Responsibilities

- Member of Anti-Ragging and Social welfare Committee from 2016 to 2022.
- Member of Internal Test Committee for the year 2016-2017.
- Member of Magazine Committee from 2018 to 2022 and from 2023 to till date.
- Member of Planning and development committee from 2022 to till date.
- Youth Red Cross Coordinator from 2022 to till date.
- Member of IQAC Committee – Criteria-5 from 2025 to till date.

Online courses completed in swayam

- Completed **SWAYAM ARPITonline course** in ‘**Physics of Semiconductors and Devices**’ for Career Advancement Scheme (CAS) Promotion offered by **IISC Bangalore** in the proctored examination held on **30.03.2019**.
- Completed **NPTELOnline Certification 12 week course** in ‘**Experimental Physics II**’ offered by **IIT Kharagpur** in the proctored examination held on **16.11.2019** with **Elite + Silver medal**.
- Completed **SWAYAM ARPITonline course** in ‘**Climate Change:A Guide for Teachers of all Disciplines**’ for Career Advancement Scheme (CAS) Promotion offered by **IISER Pune** in the proctored examination held on **16.02.2020**.

- Completed **SWAYAM ARPITonline course** in ‘**Stars and Stellar systems**’ for Career Advancement Scheme (CAS) Promotion offered by **IUCAA Pune** in the proctored examination held on **16.02.2020**.
- Acted as **NPTTEL Translator** and translated the files of the Course **Experimental Physics I** (115105110) offered by IIT Kharagpur in Tamil language.
- Completed **SWAYAM ARPITonline course** in ‘**Refresher Course on Teacher and Teaching in Higher Education**’ for Career Advancement Scheme (CAS) Promotion offered by **SavitribaiPhule Pune University, Pune** in the proctored examination held on **21.08.2021**.

Faculty Development Programmes

1. Participated **Faculty Development Programme** on “**Teaching Methods and Interpersonal Relationships**”- held at Sourashtra College, Madurai on **15.03.2014**.
2. Participated “**One day Orientation Programme to Teachers on Teacher Effectiveness**”- held at Sourashtra College, Madurai on **07.03.2015**.
3. Participated “**One day Faculty Development Programme to Teachers on Redefined Role- of Teachers**” - held at Sourashtra College, Madurai on **05.03.2016**.
4. Attended “**UGC sponsored 79th Orientation Programme for Teachers**”- held at UGC Academic staff college, Madurai Kamaraj University, Madurai during **26/5/2016 – 22/6/2016**.
5. Attended **One day Faculty Development Programme** on “**Management of Self-A Holistic Approach**” - held at Sourashtra College, Madurai on **29.08.2017**.
6. Completed **SHARP Online course** in ‘**Learning Physics through Simple Experiments**’ course Organized by **Centre for Continuing Education, IIT Kanpur, from 02.04.2020 to 10.06.2020**.
7. Completed **MOODLE Test for teacher Training** organized by GVN college , Thoothukudi in Association with **IIT Spoken Tutorial** by passing an exam conducted on **04.05.2020**
8. Participated One day Faculty Development Programme on “**Women in Higher Education Issues and Challenges during Corona Pandemic**” Organized by **Guru AngaDev-Teaching Learning Centre, under PMMMNMTT scheme, MHRD** on **27.05.2020**

9. Completed two week Faculty Development Programme on “Multimedia and Drawing” organized by Government First grade College, Karnataka in association with **Spoken Tutorial IIT Bombay** Under **PMMMNMTT scheme**, MHRD from 03.06.2020 to 16.06.2020
10. Participated in one week Online Faculty Development Programme on “Research Methodology : Tools & Techniques” organized by AthmaramSanatan Dharma College, Delhi in association with **Teaching Learning Centre-Ramanujan College** Under **PMMMNMTT scheme**, MHRD from 05.06.2020 to 11.06.2020
11. Participated One day Faculty Development Programme on “Teaching during Post and COVID times” Organised by **Guru AngaDev- Teaching Learning Centre**, under **PMMMNMTT scheme**, MHRD on **12.06.2020**
12. Completed Faculty Development Programme on “Research Capacity Building” organized by VOCC College, Thoothukudi under **UGC Stride scheme**, MHRD from 15.06.2020 to 17.06.2020.
13. Completed online course on “**Health GIS: Geo informatics for COVID-19**” conducted by **Indian Institute of Remote Sensing (IIRS), Indian Space Research Organization(ISRO)**, Dehradun, during **15.06.2020 to 19.06.2020**.
14. **Completed online course on “ Satellite Photogrammetry and its Applications ”** conducted by **Indian Institute of Remote Sensing (IIRS), Indian Space Research Organization(ISRO)**, Dehradun, during **29.06.2020 to 03.07.2020**.
15. **Completed online course on “ Application of Geo informatics in Ecological Studies ”** conducted by **Indian Institute of Remote Sensing (IIRS), Indian Space Research Organization(ISRO)**, Dehradun, during **13.07.2020 to 24.07.2020**.
16. Completed One week Faculty Development Programme on “Development of Career in Higher Education in 21st century” Organized by St. John’s College, Agra in collaboration with **Guru AngaDev - Teaching Learning Centre**, under **PMMMNMTT scheme**, MHRD from 23.06.2020 to 27.06.2020.
17. Completed one week online Faculty Development Programme on **LaTeX** Conducted by Jamshedpur Women’s College in Collaboration with Spoken Tutorial, IIT Bombay under **PMMMNMTT scheme** from **13.07.2020 to 19.07.2020**
18. Completed one week online Faculty Development Programme on **ICT in Teaching and Evaluation** organized by MSP Mandal’s Sri Shivaji College, Parbhani, under **UGC-PARAMARSH** scheme from **13.07.2020 to 18.07.2020**
19. Participated in Online Short term Faculty Development Programme on “**Nano materials characterization techniques and Results Analysis Methodology: Ideas, Innovations**”

and Initiatives” conducted by ShikshanPrasrakSarstha’sS.N.Arts, D.I. Malpani Commerce and B.N.Sarda Science College, Sangamnar, from **27.07.20 to 31.07.20** under **PMMMNMNTT** scheme.

20. Completed one week online **Faculty** Development Programme on **E Content Development** organized by MSP Mandal’s Sri Shivaji College, Parbhani, under **UGC-PARAMARSH** scheme from **31.08.2020 to 05.09.2020**
21. Participated in One day Training Cum Orientation Programme organized by Bharathiar University in association with **TANSCH** on **30.09.2020**.
22. Completed three week Faculty Development Programme on “Educational Management and Leadership for Sustainable Environment” from December 10.12.2020 to 30.12.2020 organized by **CALEM** and **SWAYAM Cell**, Panjab University under **PMMMNMNTT** scheme, Ministry of Education, India.
23. Completed Thirty Hours Online Training Programme on “**Research and Publication Ethics**” organised by Central University of South Bihar under **PMMMNMNTT** Scheme, MHRD, from **March 15 to March 22, 2021**.
24. Completed Faculty Development Programme on “**Data Science**” organized by **E & ICT Academy, IIT Kanpur** from **July 5 – July 21, 2021**.
25. Completed Faculty Development Programme on “**Advance Cyber Security and Forensics**” organized by **E & ICT Academy, IIT Kanpur** from July 26 – July 31, 2021.
26. Completed “**Online Refresher Course in Physics**” conducted by University of Hyderabad, Hyderabad, from **05.12.2022 to 17.12.2022**.
27. Completed two week **Interdisciplinary Refresher Course** in “**Advanced Research Methodology**” conducted by Teaching Learning Centre, Ramanujan College, University of Delhi, from **26 April to 09 May 2024**.
28. Completed a “**Ten days Virtual International Faculty Development Programme on Frontiers in Material Science**” organised by Department of Physics, SRM Institute of Science and Technology, Ramapuram Chennai from **17th to 27th March 2025**.
29. Completed a five day Faculty Development Programme on “Future of Higher Education: Trends, Challenges and Opportunities” organised by Management of Sourashtra Council and IQAC, Sourashtra College from **6.1.2026 to 10.01.2026**.

Research papers presented in conference

1. Presented a paper entitled “**Study of Metal Oxide Thin films for Energy Applications**” in the Two Day International Conference on “Recent Trends & Innovations in Science, Engineering and Social Sciences”organised by National College, Trichy and VHNSN College Virudhunagar held on 10th & 11th February 2023.
2. Presented a paper entitled “**Synthesis and Study of Copper doped Iron oxide nanoparticles by Chemical Precipitation Method**” in the International Conference on “Frontiers in Materials Science and Technology: Energy, Environment and Sustainable Development” ICFMST - 2024 conducted by SRM TRP Engineering College, Trichy, held on 5th & 6th December 2024. (ISBN No.978-93-341-7016-0).
3. Presented a paper entitled “**Green Synthesis of Silver Nanoparticles using *Commiphora caudata* for Antibacterial Activity**” in the International Conference on “Innovative Horizons in Material Research: Growth, Characterization and Techniques” organized by SRM Institute of Science and Technology, Chennai on 20th and 21st December, 2024.
4. Presented a paper entitled “**Green Synthesis and Study of Iron oxide nanoparticles**” in the International Conference on “Emerging Trends in Physics, Energy Storage Materials and Nanotechnology” ICEPEN - 2025 organised by MannarThirumalaiNaicker College, Madurai, during 3rd & 4th February 2025. (ISBN No.978-93-6163-861-9)
5. Presented a paper entitled “**Biogenic Synthesis of Silver nanoparticles using *Eucalyptus globulus*: A green Chemistry Approach**” in the International Conference on “Emerging Challenges in Sustainable Development and Environmental Conservation” ICECSDEC - 2025 organised by Maharaja Ganga Singh University, Bikaner, Rajasthan, from 25th to 27th May 2025.
6. Presented a paper entitled “**Green Synthesis of Silver Nanoparticles (AgNPs) and Structural Characterization for Antibacterial Applications**” in the International Conference on “Emerging Trends in Material Science and Technology” ICMST - 2025 organised by Government Arts and Science College, Kovilpatti, on 18th August 2025. (ISBN No. 978-93-48505-03-3).
7. Presented a paper entitled “**Synthesis and Studies of Iron oxide nanoparticles (Fe_2O_3) for Biological Application**” in the one day International Conference on ”Nanostructured Materials and their Applications(ICNMA-2025)” organized by the Department of Physics, Sethupathy Govt. Arts College, Ramanathapuram, on 18.09.2025. (ISBN No. 9788197547867)
8. Presented a paper entitled “**Green Synthesis and Structural Characterisation of Silver Nanoparticles using selected medicinal plant extracts**” in the International Conference on ”Advanced Materials and their Applications 2025(ICAMA’25)” organized by the Department of Chemistry, SethupathyV.O.Chidambaram College, Thoothukudi, on 19.12.2025. (ISBN No. 978-81-995443-8-3)

Conferences/ Seminars/Workshops attended

1. Attended **One day State Level Workshop** on “Quality Excellence and Quality Sustenance in Education” - held at Sourashtra College, Madurai on **21.08.2009**.
2. Participated UGC sponsored **State Level Seminar** on “Solar energy Applications” - held at The Madura College, Madurai on **24.12.2009**.
3. Attended **National Level Workshop** on “Green Energy and Management”- held at M.T.N. College, Madurai on **18.02.2016**.
4. Attended **One day Workshop** on “MATLAB – a Scientific Tool” - held at Sourashtra College, Madurai on **07.10.2017**.
5. Participated UGC Sponsored **National Level Seminar** on “Experimental and observational Physics” – held at The Madura College, Madurai on 20.12.2019.
6. Participated UGC Sponsored **National Level Seminar** on “Current Trends in Physics” – held at Sri Meenakshi Government Arts College for Women (A) Madurai on 05.02.2020.
7. Participated in International web conference on “**Smart Engineering Technologies**” “organized by Ramco Institute of technology on **26.06.2020- 27.06.2020**
8. Participated in the series of **Online Lectures in Solid State Physics- Series1: “Electrons in Solids”** conducted by Department of Theoretical Physics, University of Madras during **01.07.2020 to 04.07.2020**
9. Participated in **MHRD Innovation cell** Sponsored Online webinar on “Intellectual Property Rights” organized by Sengunthar College of Engineering on 03.07.2020.
10. Participated in the “**NPTEL E-Awareness workshop**” organized by Jabalpur Engineering College and Lakshmi Narain college of Technology and Science in association with **NPTEL IIT Madras** on 03.07.2020.
11. Participated in One day National Webinar entitled “ICT enabled Higher Education in India” Organized by **GuruAngaDev - Teaching Learning Centre and Sanatan Dharma College**, under **PMMMNMTT** scheme, MHRD on 13.07.2020.
12. Completed National workshop(Faculty Development Programme) on “Technology and Instructional Reforms with Reference to online Teaching Learning and Evaluation” organized by **CALEM and SWAYAM Cell**, Panjab University under **PMMMNMTT** scheme, MHRD from 15.07.2020 to 20.07.2020.

13. Participated in one week workshop on “ NAAC Revised Accreditation Frame work – Resolving the practical Snags” organized by GHC Khalsa College of Education, Ludhina, under **UGC Paramarsh Scheme** held from 17.08.2020 to 24.08.2020.
14. Participated in One day National Webinar entitled “Promotional Avenues for teachers in Higher Education: CAS regulations 2018” Organized by **GuruAngaDev - Teaching Learning Centre**, under **PMMMNMTT** scheme, MHRD on 05.09.2020.
15. Participated in National seminar entitled “Transition from school to Higher Education in the context of National Educational Policy-2020” organized by **CALEM and SWAYAM Cell**, Panjab University under **PMMMNMTT** scheme, MHRD on 20.09.2020 and 21.09.2020.
16. Participated in One day National Webinar entitled “Implementation of Academic Bank of Credits” Organized by **GuruAngaDev - Teaching Learning Centre**, under **PMMMNMTT** scheme, MHRD on 10.07.2021.
17. Participated in One day National Webinar entitled “The Importance of Data Visualization” Organized by **GuruAngaDev - Teaching Learning Centre**, under **PMMMNMTT** scheme, MHRD on 10.08.2021.
18. Participated in One day National Webinar entitled “Teacher;s e-Kit: A Four Quadrant Approach for Development of OERs for Higher Education” Organized by **GuruAngaDev - Teaching Learning Centre**, under **PMMMNMTT** scheme, MHRD on 09.09.2021.
19. Participated in **UGC Stride** Sponsored one day National Seminar on New Education Policy 2020 on 20.12.2021 organized by MSP Mandal’s Sri Shivaji College, Parbhani through blended mode.
20. Participated in **UGC** Sponsored workshop on Multidisciplinarity in Higher Education in Context of NEP 2020 on 29th August 2022, organised by **UGC HRDC**, Patna University, Patna.
21. Participated in one day National Seminar on “Intellectual Property Rights” organised by IPRC , Sourashtra College, Madurai , on October 14, 2022
22. Participated in National Webinar entitled “Role of Forensic Science in Legal Investigation” Organized by **GuruAngaDev - Teaching Learning Centre**, under **PMMMNMTT** scheme, MHRD on 12.11.2022.
23. Participated in the workshop on “Utilization of in-house and large scale DAE facilities” organised by UGC_-DAE Consortium for Scientific Research, Kalpakkam,Alagappa University and Madras Christian College on 23.09.2025.

Events organized

- **Coordinator** for the **One day Students seminar** on “**Recent Trends in Physics**” held on 26th February 2015, at Sourashtra College, Madurai.
- **Coordinator** for the **One day National Seminar** on “**Recent Trends in Physics (NSRT-2019)**” held on 13th February 2019, at Sourashtra College, Madurai.
- **Coordinator** for **Online National Level Quiz in Physics- “PHYSIZ”** from 04.06.2020 to 14.06.2020
- **Organizing Committee Member** for the **One day International Webinar** on “**Recent Trends in Physics (IWRT-2020)**” held on 28th November 2020, at Sourashtra College, Madurai.
- **Organising Secretary** for the **State Level Seminar** on “**Recent Trends in Physics (SSRT-2023)**” held on 21st March 2023, at Sourashtra College, Madurai.
- **Convener** for the **State-level Seminar** on “**Application of Mathematics and Physics in Real Life (SSAMP-2025)**” on 29.9.2025, at Sourashtra College, Madurai.
- **Value Added Course** (30 hours) conducted for first B.Sc., Physics students entitled “**Data Analysis and Scientific Modeling**” by the Department of Physics, Sourashtra College, for the academic years 2021-2022, 2022-2023, 2023-2024, 2024-2025.
- **Certificate Course** (40 hours) conducted for Second B.Sc., Physics students entitled “**Introduction to Instrumentation and Home Appliances**” by the Department of Physics, Sourashtra College, for the academic years 2023-2024, 2024-2025 and 2025-2026.

Book Chapter Publication

“**Issues - Multifaceted Microcosms**” ISBN No. **978-81-943486-3-4** Chapter: “**Melting Glaciers: Causes, Effects and Solutions**” published by Walnut **Publication**, Odisha, India.

“**Researchers view on COVID-19**” ISBN No. **978-81-942871-5-5** Chapter: “**Life at Home during Lockdown**” Published by Of By and For You Publication, Kanyakumari, Tamil Nadu, India.