<table>
<tr><td>Name: Dr.C.Deepa</td><td colspan="4">Photo
  </td></tr>
<tr><td>Designation:</td><td colspan="4">Associate Professor</td></tr>
<tr><td>Qualification:</td><td colspan="4">M.Sc.,M.Phil.,Ph.D</td></tr>
<tr><td>Area of specialization:</td><td colspan="4">Crystal Growth & NLO Materials</td></tr>
<tr><td rowspan="2">Experience:</td><td colspan="2">Industrial Experience</td><td colspan="2">Teaching Experience</td></tr>
<tr><td colspan="2">-</td><td colspan="2">17 years 11 months</td></tr>
<tr><td rowspan="2">Number of workshops / FDP attended:</td><td colspan="2">Number of Workshops</td><td colspan="2">Number of FDPs</td></tr>
<tr><td colspan="2">10</td><td colspan="2">8</td></tr>
<tr><td rowspan="3">Publications:</td><td colspan="2">Conference</td><td colspan="2">Journal</td></tr>
<tr><td>National</td><td>International</td><td>National</td><td>International</td></tr>
<tr><td>2</td><td>2</td><td>-</td><td>8</td></tr>
<tr><td>Books / Book Chapters</td><td colspan="4">NIL</td></tr>
<tr><td rowspan="2">Patents:</td><td colspan="2">National</td><td colspan="2">International</td></tr>
<tr><td colspan="2">2</td><td colspan="2">-</td></tr>
<tr><td>Professional Body Membership</td><td colspan="4">ISTE, IEEE</td></tr>
<tr><td>Research</td><td colspan="4">Google Scholar ID: ZKo2-ooAAAAJ
Researcher ID: AFL-6818-2022
Orcid ID: 0000-0001-7042-4149
Scopus ID: 59935418000</td></tr>
</table>

Staff Achievements	SCOPE member for Science Club SCOPE member for IEEE EDS Society Cultural coordinator for S&H cultural activities (2024 & 2019). Time table committee member Science and Humanities Symposium SIT SCIHUM Coordinator during the year 2018 and 2023 Coordinator for FDP program Characterisation of Materials organized during the period 20.7.2017- 21.7.2017

Educational Qualifications:

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades obtained	Class obtained
UG	**B.Sc**	**Physics**	**2003**	**SDNB Vaishnav College**	**University of Madras**	**77**	**I**
PG	**M.Sc**	**Physics**	**2005**	**University of Madras**	**University of Madras**	**72**	**I**
	M.Phil	**Physics**	**2007**	**Queen Mary's College**	**University of Madras**	**71.3**	**I**
Ph.D	**Ph.D**	**Physics**	**2022**	**SRM Valliammai Engg. College**	**Anna University**	**-**	**-**

Academic Experience:

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Prince Shri Venkateswara Engineering College	Lecturer	12.11.2007	15.11.2012	4	6	3
Sri Sairam Institute of Technology	Assistant Professor	07.06.2012	04.09.2021	9	2	27
Sri Sairam Institute of Technology	Associate Professor	05.09.2021	31.05.2025	3	8	26
Sri sairam Engineering College	Associate Professor	01.06.2025	till date		5	15
				17	**11**	**11**

Workshops/Seminars attended.

1. One day **National Level Workshop** on "The Excitement of College Physics 2019", organized by the Department of Physics, VIT Chennai, in association with Indian Association of Physics Teachers (IAPT) on 06.07.2019.
2. Three-day **National Level Workshop** on "Computational Tools in Biomolecular Research", organized by the Department of Bioinformatics, Sathyabama Institute of Science and Technology, during 6th to 8th February 2019.
3. Two days **International Level Seminar** on "Sustainable development", organized by the Department of Chemistry, B.S. Abdur Rahman Crescent Institute of Science & Technology, Vandalur, Chennai on 10th & 11th December 2018.
4. Two days **National Level Seminar** on " Emerging Trends in Materials and Technology", organized by the Department of Physics, Jeppiar Engineering College, Chennai held on 27th & 28th July 2017.
5. One day **National Level Workshop** on "Advancement in Chemical Science", organized by the Department of Chemistry, Sri Sairam Institute of Technology, Chennai on 18th July 2016.
6. One day **National Level Seminar** on "Environment and Sustainable Development ", organized by the Department of Physics, SRM University, Kattankulathur, in association with Indian Association with IRD India on 3rd June 2016.

7. Two day **National Level Workshop** on "Revealing the Advances in Material Science", organized by the Department of Chemistry, Sri Sairam Institute of Technology, Chennai on 19th & 20th July 2016.
8. One day **National Level Seminar** on "New Engineering Materials and their Applications", organized by the Department of Physics, SRM Valliammai Engineering College, Kattankulathur, held on 27th April 2015.
9. One day **National Level Workshop** on "Role of Polymers in Modern Engineering Materials ", organized by the Department of Science & Humanities, Sri Sairam Institute of Technology, Chennai on 12.04.2013.
10. One day **National Level Workshop** on "Legacy of Infinity-Life and Mathematics of Srinivasa Ramanujam ", organized by VIT Alumni Association, Chennai Chapter in association with Tamilnadu Science Forum, on 10th August 2012.

FDP/STTP Attended

1. Six days FDP on " Recent Trends in Quantum Computing with Cyber Forensic System" in association with IEEE SMC and Cyber Society of India Organized by the Department of Computer Science and Engineering (Cybersecurity), Sri Sairam Institute of Technology during the period 23rd June 2025 to 30th June 2025.
2. Two-week International FDP on " Advanced Computational and Experimental Research in Physics organized by the Department of Physics, SRM Institute of Science and Technology, Ramapuram, Chennai from 21st July 2025 to 1st August 2025.
3. Five days FDP on " Personal and Professional Management" jointly organized by MBA Department of Management Arka Jain University - Jharkhand, Research Foundation of India & RFi- CARE from 11-15 June 2024.
4. Two days Faculty Development Programme on "Teaching Techniques", conducted by ICT Academy on 11.02.2019 - 12.02.2019 at B.S. Abdur Rahman Crescent Institute of Science & Technology, Vandalur, Chennai.
5. Two days Faculty Development Programme on "Advance in Materials Science", at Sri Sairam Institute of Technology, Chennai on 04.04.2024 & 05.04.2024.
6. Two days Faculty Development Programme on " Characterization of Materials", at Sri Sairam Institute of Technology, Chennai on 20th & 21st July 2017..
7. Two days National Level Faculty Development Programme on "Teaching Excellence in Engineering and Management Curriculum", at Sri Sairam Institute of Management Studies held on 20th & 21st June 2016.

8. Two days Faculty Development Programme on "Electromagnetic field theory & Transmission Lines", at Sri Sairam Institute of Technology held on 25th & 26st June 2015.

Papers presented in International / National Conferences:

1. **"Growth and Characterization of Nonlinear Optical Material Threonine doped Urea",** in the **International Conference on Modern Functional Materials**, organized by **Sri Sairam Engineering College, Chennai** on 24th & 25th June 2021. **(ORAL)**
2. **"Growth and Characterization of Nonlinear Optical Material Threonine doped Urea** at the **International Conference on Materials Manufacturing and Mechanical Engineering for Sustainable Development**, organized by Sri Sairam Institute of Technology, **Chennai** on 19th & 20th November 2020. **(ORAL)**
3. **"Crystal Growth and Characterization of Nonlinear optical material Threonine doped Hippuric acid** in the **National conference on Advances in Condensed Matter Physics** (NCACMP-2018), organized by **Hindustan Institute of Technology and Science, Chennai** on 2nd March 2018 **(ORAL)**
4. **"Crystal Growth and Characterization of Nonlinear optical material Threonine doped Urea** in the **National conference on Chemistry Driven Clean Process and Alternate Energies- Scope & Challenges** (NCCP 2018), organized by **Hindustan Institute of Technology and Science, Chennai** on 7th February 2018 **(ORAL)**

Patents:

1. **Multifunctional Nanostructured Cathode Materials for Enhanced Performance in New -Generation Lithium - Ion Batteries.** Application Number: **202341069362 A**
2. Efficient NiO-Based Nanostructures for Solar-Driven Water Splitting and Pollutant Degradation. Application Number : **202441072011 A**

Journal Publications:

1. **Deepa, C., Natarajan Arumugam, Almansour, A., Sangeetha, P., Murali, G & Jeyaram, S, 2025 "Nonlinear optical and spectral features of the natural dye derived from chrysanthemum petals", Journal of Optoelectronics and Advanced Materials , Pages 121-126.**

2. **Deepa, C., Bharathi Dileepan, AG., Rohith Ramasamy, Rajadurai Vijay Solomon,Natarajan Arumugam, Abdulrahman I Almansour, Kasireddy Sudarshan,& Jeyaram,S 2025, "DFT and Z-scan Studies for the Determination of Nonlinear Optical Susceptibility and Second Order**

Hyperpolarizability of Ethidium Bromide Dye in Different Solvents",Journal of Fluorescence , Pages 1-13.

3. **Deepa, C & Jeyaram, S 2024, "Facile Z-scan determination of nonlinear refractive index and absorption coefficient of dye doped polymer film", Bulletin of Materials Science, Vol:47:85,pp.1-6.**
4. **Anusha,B., Anbuchezhiyan, M.,Deepa, C., & Srinivasan, N., 2024, Novel approaches to the degradation of nitrophenols using TiO 2 -biopolymer-ligand-metal complex as photocatalysts", Journal of Materials Science:Materials in Electronics, vol.35:544.**
5. **Deepa, C., Anbuchezhiyan, M & Anusha, B 2023, "Growth, spectral, thermal and quantum chemical calculation of a nonlinear optical material N-acetyl-L-leucine", Journal of Materials Science: Materials in Electronics, vol.34, Pages 1190.**
6. **Deepa, C., Anbuchezhiyan, M., Arivazhagan, T 2021, "Synthesis, spectroscopic, thermal analysis and quantum chemical calculation of a new third-order nonlinear optical material: N-allylthiourea", Journal of Materials Science: Materials in Electronics, vol.32, pp. 15364-15374.**
7. **Deepa, C., Anbuchezhiyan, M & Rajendran Sribalan 2021, " Theoretical and experimental study of new nonlinear optical material nicotinohydrazide", Journal of Nonlinear Optical Physics and Materials, vol.29, no.3&4, pp. 2050007(1-160).**
8. **Deepa, C & Anbuchezhiyan, M 2020, "Evolving NLO effect, mechanical, thermal, and dielectric study of N-Benzoyl glycine doped L-Threonine", Materials Today: Proceedings, vol. 46, pp. 3409-3412.**

Online Courses

1. Completed 12 weeks NPTEL-AICTE course on Thin Film Technology with Elite + Silver during July-November 2025
2. Completed 12 weeks NPTEL-AICTE course on Material Design for Electronic, Electrochemical and Optical Functions, during July - November 2025
3. Completed 12 weeks NPTEL-AICTE course on Material Characterization during January - April 2025.
4. Completed 12 weeks NPTEL-AICTE course on Fundamentals of Electronic Materials and Devices during January - March 2025.
5. Completed 12 weeks NPTEL-AICTE course on Physics of Materials with Elite+Silver during July - October 2024.
6. Completed 12 weeks NPTEL-AICTE course onFundamentals of Electronic Device Fabrication with Elite + Gold (Topper 1%) during July - August 2024

7. Completed NITTT - Module 1: Orientation towards Technical Education and Curriculam Aspects
8. Completed NITTT - Module 2: Professional Ethics and Sustainability
9. Completed NITTT - Module 3: Communication Skills, Modes and Knowledge Dissemination
10. Completed NITTT - Module 4: Instructional Planning and Delivery
11. Completed NITTT - Module 5: Technology Enabled Learning and Life-Long Self Learning
12. Completed NITTT - Module 6: Student Assessment and Evaluation
13. Completed NITTT - Module 7: Creative problem solving, Innovation and Meaningful R & D
14. Completed NITTT - Module 8: Institutional Management and Administrative Procedure