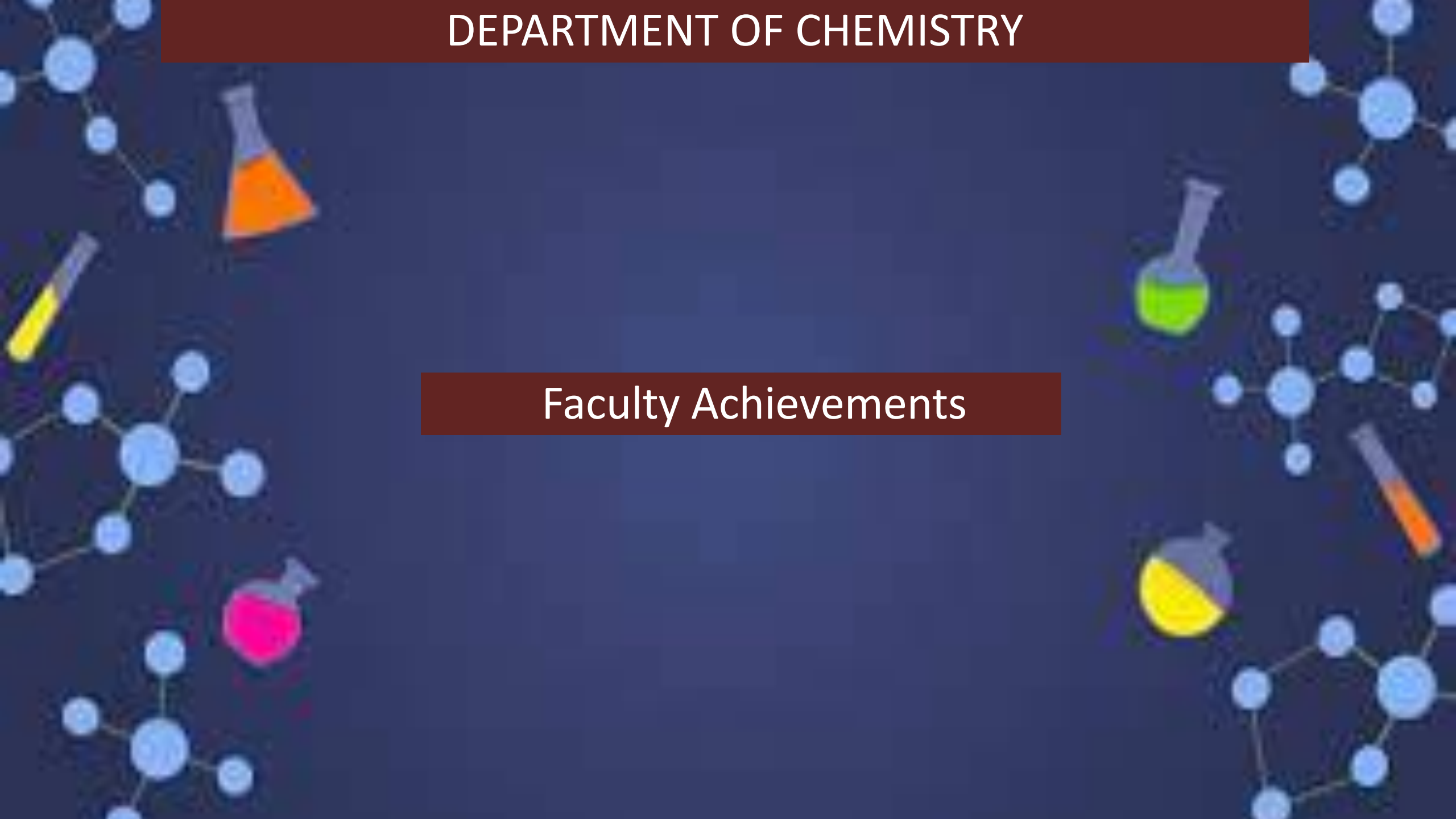


Faculty Achievements



Faculty Research Details

**Ph.D
Completed
5**

**Ph.D
Supervisors
5**

**Ph.D
Pursuing
1**

Faculty Publications

S.No	Year	No. of SCI Journals	No. of ESCI Journals	No. of Scopus Indexed Journals	No. of UGC and Other Journals	Total
1	2025-2026	1	-	-	-	1
2	2024-2025	1	-	-	-	1
3	2023-2024	5	-	-	-	5
4	2022-2023	2	-	-	-	2

Research Paper Published 2025-2026

8

SI No	Faculty Name	Title of the Paper	Name of the Journal	Vol.No.Issue No., Page No., Month & Year
1	Mr. N .Sivakumar	<u>Photocatalytic Degradation of Malachite Green Using Nickel–Cerium Coloaded ZnO under Sustainable Sunlight Irradiation and Its Biological Implications</u>	ACS OMEGA	11,11,18054 - 18056

Research Paper Published 2024-2025

8

Sl No	Faculty Name	Title of the Paper	Name of the Journal	Vol.No.Issue No., Page No., Month & Year
1	Dr. S. Luna Eunice	A Review on boosting the Photo catalytic degradation of organic pollutants using modified Nano composites	Research Journal of Chemistry & Environment	Volume, 29, Issue 05, May 2025

Research Paper Published 2023-2024

8

SI No	Faculty Name	Title of the Paper	Name of the Journal	Vol.No.Issue No., Page No., Month & Year
4	J. Dhanalakshmi	Studies on thermoset blend of bismaleimide having multiple swivel groups and biscyanate ester	Journal of Elastomers and plastics	Vol.55, Issue.4, pp. 475-491, & 2023
5	S. Shamim Rishwana, J. Dhanalakshmi	Fumarate metal organic frameworks as reactive and curing reaction alternant in hydrophobic bispropargyl ether based matrix resin system	Journal of Polymer Research	Vol.30, pp.431-439 & 2023

Research Paper Published 2023-2024

8

SI No	Faculty Name	Title of the Paper	Name of the Journal	Vol.No.Issue No., Page No., Month & Year
3	Ellappan Vaishnavi a, Keerthana Balasubramaniam a, Karuppiah Nagaraj b, Mohammad Ahmad Wadaan c, Prasenjit Maity d, Almohannad Baabbad c, Subramanian Kamalesu e, Rajalingam Renganathan f, S.M. Abhijith b, Nilesh Prakash Badgujar g, S. Shamim Rishwana	Synthesis of CdTe quantum dots using Glutathione promoted in Vitro Interaction between Lysozyme and Flavanoids: An investigation through spectroscopic methods,	Journal of Molecular Structure	Volume 1306, 15 June 2024, 137818,

Research Paper Published 2022-23

7

Sl No	Faculty Name	Title of the Paper	Name of the Journal	Vol.No. Issue No., Page No., Month & Year
1	J.Dhanalakshmi	Studies on thermoset blend of bismaleimide having multiple swivel groups and biscyanate ester	Journal of Elastomers and plastics	Vol.55, Issue.4, pp. 475-491, & 2023
2	S.Shamim Rishwana, J.Dhanalakshmi	Fumarate metal organic frameworks as reactive and curing reaction alternant in hydrophobic bispropargyl ether based matrix resin system	Journal of Polymer Research	Vol.30, pp.431-439 & 2023

Paper Published in conferences 2025-2026

8

Sl No	Faculty Name	Title of the Paper	Name of the Conference	Organized by:
1	Dr.J.Dhanalakshmi	Swarm Intelligence Nano Drone Technology in Agriculture	5th International Conference On Innovations in Thermal, Manufacturing, Structural and Environment Engineering. (ICITMSEE' 26)	Kongunadu College of Engineering and Technology, Namakkal
2	Dr.J.Dhanalakshmi	Ai-based anemia and tuberculosis risk screening system with multi-language voice support	AICTE Sponsored National Conference on Artificial Intelligence in Health and Medical Science (NCAIHMS'26)	Karpagam Institute of Technology, Coimbatore
3.	S.Shamim Rishwana	Formulation and development of Tannin – Based Eco-Friendly wood primer for circular Bio-Economy	International Conference on Translational Research in Life Science (ICTRILS-2026)	Dhanalakshmi Srinivasan Engineering College, Perambalur.

Paper Published in conferences 2024-2025

8

SI No	Faculty Name	Title of the Paper	Name of the Conference	Organized By:
1	Dr. S. Luna Eunice	Nanotechnology in water purification - Innovative approaches to purification	International Conference on advanced materials & Computational Physics-SIMATS	Lady Doak College
2	Dr. S. Luna Eunice	Polymer membrane based super capacitor	Academia-Industry-Innovation Conclave 2025	SIMATS, Chennai
3.	Mr.N.Sivakumar	Polymer membrane based super capacitor	Academia-Industry-Innovation Conclave 2025	SIMATS, Chennai
4.	Dr.J.Dhanalakshmi	Thermal studies on the influence of copper/cobalt nanoparticles in the bis (4-propargyloxyphenyl)sulfone matrix resin system	5th International Conference on Nanoscience and Nanotechnology for Energy, Environment and Biomedical Applications (iNEEBA - 2025)	Vinayaka Mission's KVAS College, Association with RIAC, National University, South Korea & Chulalongkorn University, Thailand

Book Chapters Published



17

1. **J. Dhanalakshmi**, and C.T. Vijayakumar, “Studies on thermal curing and thermal degradation of recyclable thermoset material”, Book Title: Recent Advances in Bioremediation and Phyto remediation, Springer Nature, 53-62, 2025, ISBN: 978-3-031- 77884-1
2. **J. Dhanalakshmi** and C.T.Vijayakumar. “Bismaleimide and Nano Composite Blends: Studies on thermal curing and thermal degradation”, Book Title: Indo-South Korea-Thailand 2nd International e-Conference on Nanoscience and Nanotechnology for Energy, Environment and Biomedical Applications (iNEEBA-2022) Special Issue November 2022, ISBN: 978-93-5768-301-2



Book Chapters Published



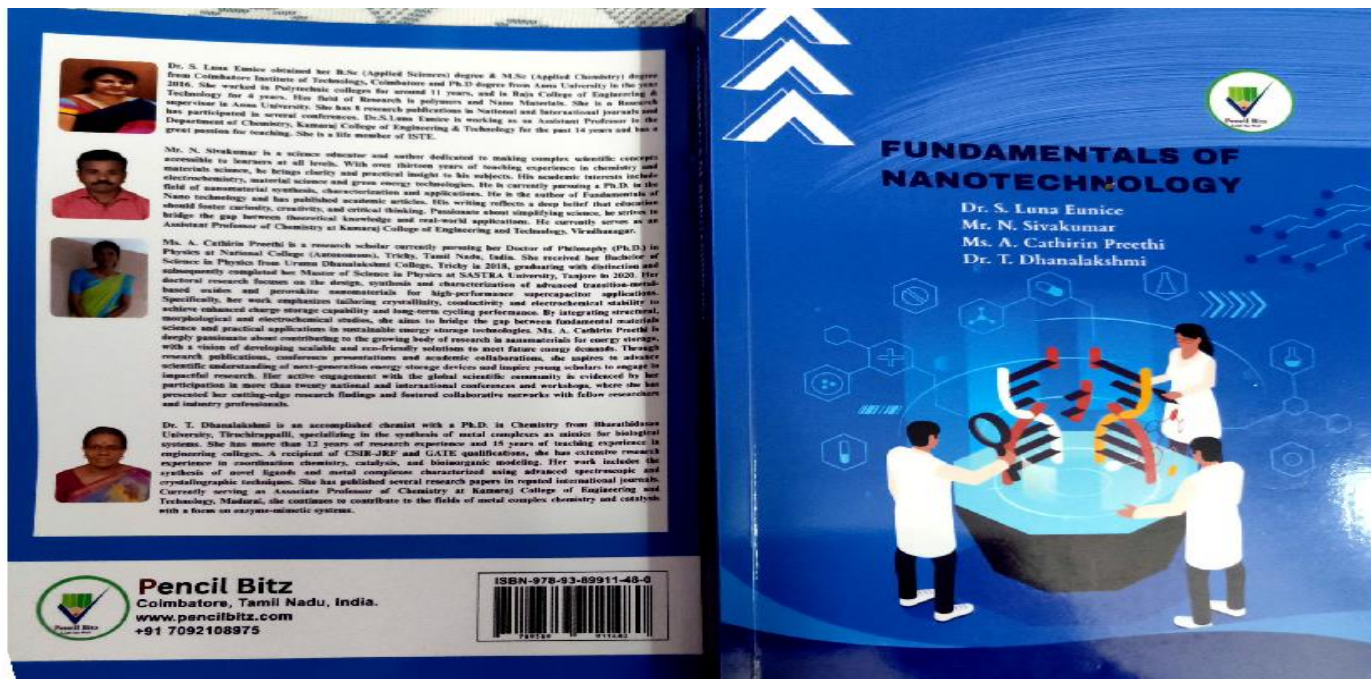
17

1. Siva kaylasa sundari, **S. Shamim Rishwana**, **J. Dhanalakshmi**, R. Ramani and C.T. Vijayakumar, “Nanoporous metal organic frameworks: Effect of thermal history on crystallinity and thermal stability”, Chapter 15, Multidisciplinary science and advanced technology, Nova science publishers, Newyork. ISBN: 978-1-53619-198-1 (ebook), Publication Date: January 2021
2. **J. Dhanalakshmi**, S. Siva Kaylasa Sundari and C.T. Vijayakumar, “Thermal Studies on Styryl Modified Resorcinolic Resin – Formaldehyde Donar Adhesion Systems for Rubber Industry”, Book Title: A Comprehensive Guide to Formaldehyde, Book Chapter: 4, Nova Science Publishers, New York. e-ISBN: 978-1-53619-507-1, Publication Date: April 2021.



Text Books Published

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Faculty Awards

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Dr. S. LUNA EUNICE

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Dr. T. Dhanalakshmi	NPTEL Online Course on Soft Skill Development
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Dr. S. Luna Eunice	NPTEL Course on Effective Engineering Teaching in Practise



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CSIR, Chennai



Faculty Industrial Training 2024-25

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ISRO , MAHENDRAGIRI

