


SRI SAIRAM ENGINEERING COLLEGE
DEPARTMENT OF CIVIL ENGINEERING

Name & Photo	Dr. N. SUGANYA 
Designation	ASSOCIATE PROFESSOR
Qualification	M.E., M.B.A., Ph.D.
Area Of Specialization	STRUCTURAL ENGINEERING
Experience	Teaching: UG: 12 years PG: NIL Industry: NIL
Number Of Workshops/Conferences/ FDP Attended	Workshop: National – 2 Conference: National- 1 International- 6 FDP: 10
Publication:	Journals: International- 6
E-Mail	suganya.civil@sairam.edu.in
Membership	Indian Society for Technical Education-ISTE

Achievements	(1) REVIEWER – AICTE – Technical Books Translation Scheme. (2) REVIEWER – ELSEVIER – MATERIALS TODAY : PROCEEDINGS. (3) TRANSLATOR – NPTEL Lectures. (4) INNOVATION AMBASSADOR (Advanced) - IIC (5) Guest Lectures – 7 (Outside Campus) (6) Session Chair – 2 (International Conference)
---------------------	---

Seminar/Conference/Publications:

- “Scrap Steel Slag as Coarse Aggregate in Ambient Temperature Cured Geopolymer Concrete”, Proceedings of ICATS 2025 : International Conference on Adaptive Technologies for Sustainable Growth, 10th edition, 28th May 2025, ISBN 978-81-986569-4-0 (2025).
- Presented on “Feasibility Study on Adding Scrap Steel Re-Rolling Mill Slag as Coarse Aggregate in Ambient Temperature Cured Geopolymer Concrete” in One day Seminar on Utilization of Construction & Demolition Waste in Construction Industry by The Institute of engineers (India), Neyveli Local Centre on 15th Feb 2025. (2025).
- A state-of-the-art review-mechanical properties of light weight concrete by utilizing sintered fly ash aggregate M Jayadurgalakshmi, N Suganya, TU Kumar Materials Today: Proceedings (2023).
- Exploring the Performance of Voided Concrete Slabs Utilizing Geopolymer Technology. N Suganya, TJ Rajeeth, V Karthika, S Dubey, PP Rachel, Journal of The Balkan Tribological Association (2023).
- A Study on Rice Husk Ash Replaced Foam Concrete Dr. N. Suganya , M Anusha International Journal of Engineering Research & Technology (2023).
- A Study on Rice Husk Ash Replaced Foam Concrete T Dr. N. Suganya , M Anusha , K Devi Shree NCMF– 2023 2023 A Study on Rice Husk Ash Replaced Foam Concrete T Dr. N. Suganya , M Anusha , K Devi Shree ICATS – 2023 (2023)
- Superstructure with Precast Deck Slab elements for building an arched wall DN Suganya IN Patent App. 202341016418 A (2023)
- Optimization on Tribological Behaviour of AA7178/NanoTitanium Diboride Hybrid Composites Employing Taguchi Techniques NS al Journal of Nanomaterials (2022)
- Investigation on Mechanical Durability Properties of High-Performance Concrete with Nanosilica and Copper Slag R Kumar, S Natarajan, R Singh, VS Rajput, GB Loganathan, S Kumar, Journal of Nanomaterials (2022)
- Investigating conventional concrete using rice husk ash (RHA) as a substitute for finer aggregate S Natarajan, SH Jeelani, P Sunagar, S Magade, SS Salvi, S Bhattacharya Journal of Physics: Conference Series (2022)

- Potential resource recovery from municipal solid waste using refused derived fuel NN Dr. S Bhagavathy perumal, K. Vaidhegi, Dr. N. Suganya, R. Mohammed Ashick IN Patent 45/2,021 (2021)
- Application of scrap plastic (PLOX) as a manmade neo-construction material: application, issues & future perspective DN Suganya Virtual International Conference on Smart Waste Management (2021)
- Pyrolysis of plastic waste into fuel at different temperatures DN Suganya Virtual International Conference on Smart Waste Management (2021).
- Study of water quality classifications by water quality index of Tamirabarani River Basin, Tirunelveli, South India. SB Perumal, S Kandasamy, N Suganya International Journal of Applied Engineering Research (2021).
- Geopolymer Concrete Using Scrap Steel Slag as Coarse Aggregate S Suganya, N. and Thirugnanasambandam , International Journal for Research in Applied Science and Engineering (2019)
- Experimental Investigation on Low Calcium Fly Ash based Geopolymer Concrete using Steel Slag as Coarse Aggregate S Suganya, N. and Thirugnanasambandam National Conference in Innovative Materials (2019).
- Experimental Investigation on Low Calcium Fly Ash based Geopolymer Concrete using Steel Slag as Coarse Aggregate S Suganya, N. and Thirugnanasambandam Journal of Emerging Technologies and Innovative Research (2019).
- Flexural Behaviour of Geopolymer RC Beam with Scrap Steel Slag Coarse Aggregate S Suganya, N. and Thirugnanasambandam International Journal of Recent Technology and Engineering (2019).
- Mechanical Properties of Ordinary, Standard and High Strength Concrete using Scrap Steel Slag as Coarse Aggregate S Suganya, N. and Thirugnanasambandam International Journal of Innovative Technology and Exploring Engineering (2019)
- Durability of Geopolymer Concrete Using Scrap Steel Slag as Coarse Aggregate S Suganya, N. and Thirugnanasambandam International Journal of Engineering and Advanced Technology (2019).
- Mechanical properties of concrete using steel slag aggregate J Saravanan, N Suganya International Journal of Engineering Inventions (2015)