

Dr. N. SUGANYA

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Associate Professor

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Department of Civil Engineering

Sri Sai Ram Engineering College, Chennai- 44



QUALIFICATION	<p>Ph.D. in Structural Engineering M.B.A in Human Resource Management M.E. in Structural Engineering B.E. in Civil Engineering</p> <p>Anna University Rank Holder in U.G, University Topper in P.G.</p>
RESEARCH DOMAIN	<p>(1) Geopolymer Concrete (2) Steel Slag aggregates</p>
FUNDED PROJECTS	<p>Principal Investigator : DST – SERB – TARE – 18.6 Lakhs (Geopolymer)</p> <p>Accompanied Study Tour - AICTE – YUVAK – 2 Lakhs (The ATAL Tunnel)</p>
ACADEMIC ROLES	<p>(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 (6) Session Chair – 1 (International Conference)</p>
PUBLICATIONS & PATENTS	<p>Publications: International Journals – 12 International Conference – 6 National Conference – 1</p> <p>Patents: 1 Granted, 3 Published, 3 filed</p>
TEACHING EXPERIENCE	<p>10 Years in teaching Civil Engineering</p>



Dr. N. Suganya

Associate Professor,
Sri Sai Ram Engineering College
Geopolymer Concrete
Scrap steel slag

	All	Since 2018
Citations	39	34
h-index	3	3
i10-index	2	2

TITLE	CITED BY	YEAR
Mechanical properties of concrete using steel slag aggregate J Saravanan, N Suganya International Journal of Engineering Inventions 4 (9), 07-16	23	2015
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	11	2022
Optimization on Tribological Behaviour of AA7178/NanoTitanium Diboride Hybrid Composites Employing Taguchi Techniques NS al Journal of Nanomaterials 2022 (1619923), 8	5	2022
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
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 2272 (1), 012030		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 16 (4), 293-301		2021
Experimental Investigation on Low Calcium Fly Ash based Geopolymer Concrete using Steel Slag as Coarse Aggregate		2019

TITLE	CITED BY	YEAR
S Suganya, N. and Thirugnanasambandam National Conference in Innovative Materials		
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 6 (2), 364-369		2019
Geopolymer Concrete Using Scrap Steel Slag as Coarse Aggregate S Suganya, N. and Thirugnanasambandam , International Journal for Research in Applied Science and Engineering ...		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 8 (5), 10873-10875		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 8 ...		2019
Durability of Geopolymer Concrete Using Scrap Steel Slag as Coarse Aggregate S Suganya, N. and Thirugnanasambandam International Journal of Engineering and Advanced Technology 9 (3), 2415-2417		2019
Steel Slag as coarse Aggregate in Concrete S Suganya, N. and Thirugnanasambandam National Conference on Recent Innovations in Civil Engineering		2018
Fly Ash Based Geopolymer concrete with Steel Slag Coarse Aggregate S Suganya, N. and Thirugnanasambandam National Conference on Advances in Structural and Construction Engineering		2018
Steel Slag as coarse Aggregate in Concrete S Suganya, N. and Thirugnanasambandam International Journal of Emerging Technology and Advanced Engineering 8 (6 ...		2018