



BONAM VENKATA CHALAMAYYA ENGINEERING COLLEGE

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ODALAREVU - 533 210, Allavaram Mandal, Dr. B.R.Ambedkar Konaseema District, Andhra Pradesh, INDIA

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Research Publications

Title of paper	Name of the author/s	Department of the teacher	Name of journal/Conference	Year of publication	ISSN/ISBN number	paper Link
An extensive analysis of GTAW process and its influence on the microstructure and mechanical properties of SDSS 2507	Sujeet Kumar, Naveen Srinivas Madugula, Ravi Kumar, Naveen Kumar, Jayant Giri, Mohammad Kanan	Civil Engineering	Journal of Materials Research and Technology	2024	Online ISSN: 2214-0697	https://www.sciencedirect.com/science/article/pii/S2238785424026851
EVALUATION OF AN APPROXIMATE ANALYTICAL SOLUTION FOR FRACTAL RICHARDS EQUATION WITH POWER AND EXPONENTIAL DIFFUSIVITY FUNCTIONS	MAHESH KUMAR, KORAKUTI HANUMANTHU, KAUSTAV SARKAR	Civil Engineering	THE INDIAN CONCRETE JOURNAL	2025	Online ISSN: 00194565	https://www.researchgate.net/publication/394128203_EVALUATION_OF_AN_APPROXIMATE_ANALYTICAL_SOLUTION_FOR_FRACTAL_RICHARDS_EQUATION_WITH_POWER_AND_EXPONENTIAL_DIFFUSIVITY_FUNCTIONS
MODELING OF WATER ABSORPTION WITH AN APPROXIMATE ANALYTICAL SOLUTION FOR	MAHESH KUMAR, KORAKUTI HANUMANTHU, KAUSTAV SARKAR	Civil Engineering	18 th NCB International Conference & Exhibition on Cement, Concrete and	2024	-	https://www.researchgate.net/publication/386245501_Modeling_of_water_absorption_with_an_approximate_analytical_solution_for_fractal_richards_equat



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FRactal Richards Equation with Power Law Diffusivity Function			Building Materials			ion with power law diffusivity function
Axial Compression Behaviour of Steel Square Column Filled with Steel Fibre Concrete	Prakash K.C., N. Siva Kumar, Korakuti Hanumanthu	Civil Engineering	International Journal of Emerging Research in Engineering, Science, and Management	2025	E ISSN – 2583-4894	www.ijeresm.com
Optimization of Mix Design for Sustainable Concrete Using Artificial Neural Networks	Deepak Bhandari, Ravi Kumar	Civil Engineering	International Journal of Research in Engineering, Science and Management	2025	ISSN (Online): 2581-5792	https://www.ijresm.com

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		t e a c h e r				
Cyclic oxidation of 304L and 316L stainless steel coated and uncoated with Cr ₃ C ₂ -NiCr at elevated temperatures	Dr. Sujeet Kumar	M E C H	Materials Science-Poland	2 0 2 5		https://doi.org/10.2478/msp-2025-0010
Evolution of surface morphology and mechanical characterisation of GTAW welded SDSS thin sheets	Sujeet Kumar, and Madugula Naveen Srinivas,	M E C H	Results in Surfaces and Interfaces	2 0 2 4		https://doi.org/10.1016/j.rsurf.2024.100412
Evaluation of microstructural and mechanical qualities in optimised TIG-welded SDSS 2507 joints	Sujeet Kumar, and Madugula Naveen Srinivas	M E C H	Materials Science-Poland	2 0 2 4		https://doi.org/10.2478/msp-2024-0051
An extensive analysis of GTAW process and its influence on the microstructure and mechanical properties of	Sujeet Kumar, and Madugula Naveen Srinivas	M E C H	Journal of Materials Research and Technology	2 0 2 4		https://doi.org/10.1016/j.jmrt.2024.11.157



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SDSS 2507						
An investigation on the mechanical and corrosion characteristics of magnesium-zinc alloy nanocomposites manufactured via ultrasound-assisted stir squeeze casting	Madugula Naveen Srinivas	M E C H	Metallurgical Research & Technology	2 0 2 4		https://doi.org/10.1051/metal/2024094
Investigation of Mechanical Properties and Microstructure Analysis of 5356 Al Alloy Thin Plate and Block Fabricated by Directed Energy Deposition-Arc	Madugula Naveen Srinivas	M E C H	Journal of Materials Engineering and performance	2 0 2 4		https://doi.org/10.1007/s11665-024-10254-7