

## List of Publications in International / National Journals by Faculty

The following is the year wise list of publications published by the faculty in International/ National Journals

**2024-25**

Faculty Name	Paper Title	Journal Name	ISSN No.	Volume No. & Year
Prof. K.L. Radhika	"Thermodynamic Modelling of Cementitious Paste Containing Sugarcane Bagasse Ash and Rice Husk Ash"	Lecture Notes in Civil Engineering		2024
	Flexural behaviour of Hybrid and Graded Fibre Reinforced Concrete	Springer of Science and Business Media		2024
	Seismic response of RC framed irregular structures, Materials Today Proceedings			2023
	Design of L-cavity using refractive and reflective elements	Optics Communications		2024
Sr. Prof. M. Kumar	Rheological and microstructural investigation of sodium-based montmorillonite nanoclay modified bitumen at mastic scale	Innovative Infrastructure Solutions	Volume 9	15 November 2024
	Functional and rheological investigations on hydrophilic nanoclay blended bitumen	Discover Sustainability	Volume 5	18 October 2024
	Laboratory investigation of high-temperature functional characterization of organo-modified nanoclay -enhanced bitumen	Results in Engineering	Volume 25	6 January 2025
Sr. Prof. V. Bhikshma	Experimental investigation on mechanical properties of lightweight reactive powder concrete using lightweight expanded clay sand	Asian Journal of Civil Engineering		
	Experimental Investigation on	Earth and		

	Reactive Powder Concrete Designed with Micro Silica and Alccofine 1203	Environmental Science		
	Basic Splines for Topology Optimization of Elements of Building	iNCMDAO		
	Investigating stress-strain characteristics in Geopolymer Concrete with Recycled aggregate	International Journal of Multidisciplinary Research and Analysis		
	Investigation On High-Strength Geopolymer Concrete with UFGGBS and Recycled Coarse Aggregate	Library Progress International		
	Experimental Investigation on Reactive Powder Concrete designed with micro silica and Alccofine 120	ICACC		
	Experimental Investigation on Reactive Powder Concrete incorporating Expanded clay sand	International conference, Odisha		
	Experimental Investigation on Reactive Powder Concrete Designed with Micro silica and Alccofine1203	IOP Conference Series: Earth and Environmental Science	Volume 1409	
Sr. Prof. M. Gopal Naik	A Study on Exploring and Prioritizing Critical Risks in Construction Project Assessment	International Journal for Multidisciplinary Research (IJFMR)	Volume 6, Issue 4	July-August 2024
	Assessment Of Construction Risk Using Mamdani Fuzzy Inference System: A Case Study of the Construction Industry in Hyderabad City	Nanotechnology Perceptions	Volume 20 No. 12 (2024) 686-707	2024
	Investigation on Built-up, Population and Road Network Density Dynamics using GIS, Regression and Causation Analysis– A Case Study of Hyderabad City, India	ASCE-Journal of Urban Planning and Development	DOI:10.1061/JUPDDM/UP-ENG-4186	2023

Prof. K. Shasikanth	IoT Based Sewage Overflow Detection and Harmful Gas Monitoring System			2025
	Statistical Downscaling of CMIP6 based Monsoon Rainfall over India and its Assessment			2024
Prof. D. Rupesh Kumar	“A Comparative Study of Plus (+) Shaped Multi-storey Building using Rectangular and Special Shaped Columns”	Journal of Engineering, Computing & Architecture	V. 14, No 6 pp. 85-98	June, 2024
	Comparative Study on Recycled Plastic Aggregates in Concrete	Journal Of Engineering, Computing & Architecture	V. 14, No 5 pp. 124-139	May, 2024
	Rapid Evaluation of Compressive Strength of HDPE-Plasto Sand Aggregate Concrete	1st International Conference on Sustainable Materials, Methodologies, Technologies & Applications in Engineering (ICS2MT-2K25)	Department of Civil Engineering, CVR College of Engineering, Hyderabad, India.	24-25 January, 2025
	Effect of Shear Walls on Multi-storey Buildings with Rectangular and Special Shaped Columns	3rd International Conference on Multi-functional Materials (ICMM-2024)	Geethanjali College of Engineering and Technology, Keesara, Telangana, India in collaboration with American Institute of Physics (AIP).	19-21 December 2024
	Innovative Utilization of HDPE-Plastic Aggregates in Concrete: Fresh and Mechanical Properties	Second International Conference in Civil Engineering for a Sustainable	Habilete Learning Solutions in collaboration with	06-08 December 2024

		Planet (ICCESP 2024	American Society of Civil Engineers (ASCE) and Marian Engineering College Trivandrum, Kerala, India.	
	Durability Properties of Concrete with HDPE Plastic Aggregate	Second International Conference in Civil Engineering for a Sustainable Planet (ICCESP 2024)	organized by Habilete Learning Solutions in collaboration with American Society of Civil Engineers (ASCE) and Marian Engineering College Trivandrum, Kerala, India.	06-08 December 2024
	Innovating Concrete with Recycled Plastics (HDPE) Aggregates	Second International Conference in Civil Engineering for a sustainable planet (ICCESP 2024	Habilete Learning Solutions in collaboration with American Society of Civil Engineers (ASCE) and Marian Engineering College Trivandrum, Kerala, India.	06-08 December 2024
	Innovative Revolution Introducing Sustainable HDPE-Plastic Aggregates for	7th International Conference on Multi-disciplinary	Institute for Educational Research and	25-26 May 2024

	Concrete	Research Studies and Education (ICMDRSE-2024	Publication (IFERP), Kuala Lumpur, Malaysia.	
	Innovative HDPE Plastic Aggregate in Concrete enhancing Sustainability	IOP Conference Series: Earth and Environmental Science, In: Third International Conference on Advances in Construction Engineering for Sustainability (ICACC-2024)	Vasavi Engineering College, Hyderabad, India,	26-27 April 2024
Prof. D. Rajashekar Reddy	A GIS Approach for spatial analysis of traffic Accidents in the city of Hyderabad	International Journal of Engineering and Science Invention (IJESI)	Volume 13 Issue No. 12	December, 2024
	Mode Choice Behaviour Analysis Using MNL Regression: A Case Study in Uppal	International Journal of Innovative Research in Technology	Vol 11 Issue No. 7	December, 2024
	Enhancing Transportation Planning Through Travel Behaviour Clustering in Machine Learning	Journal of Emerging Technologies and Innovative Research	Vol 11 Issue No. 12	December, 2024
	Planning of Cross Pedestrian Facilities in Urban Areas	International Journal of Engineering and Science Invention (IJESI)	Vol 13 Issue No. 09	September, 2024
	A Study on Pedestrian Level of service of Sidewalks Using PTV VISWALK	Journal of Emerging Technologies and Innovative Research	Vol 11 Issue No. 08	August, 2024
	Stabilization of sub grade material by using additives	Journal of Emerging Technologies and Innovative	Vol 11 Issue No. 08	

		Research		
	Techno-Economical design of flexible pavement based on the stabilization of soil using stone dust as an additive	International Journal of Innovative Research in Technology	Vol 11 Issue No. 2	July, 2024
	Effect of Aggregate gradation and binder parameters on rutting of bituminous pavements	International Journal of Innovative Research in Technology	Vol 11 Issue No. 2	July, 2024
	Study on pedestrian road crossing Behaviour under mixed traffic conditions	International Journal of Innovative Research in Technology	Vol 11 Issue No. 1	June, 2024
Prof. R. Srinivasa Kumar	Assessment of Strength Properties of Clayey Sand Soils Admixed with Marble Powder, GGBS and Geotextile Reinforcement	International Research Journal of Multidisciplinary Technovation	<b>Volume 6</b> <b>Pages 159-168</b>	2024
	Strength Evaluation of Clayey Sand Admixed with Wollostonite with a Special Reference to Construction of Geotextile Reinforced Subgrade	Indian Journal of Science and Technology	<b>ISSN</b> <b>09746846</b>	2024
	Assessment of Strength Properties of Clayey Sand Soils Admixed With Marble Powder, GGBS and Geotextile Reinforcement	International Research Journal of Multidisciplinary Technovation	<a href="https://doi.org/10.54392/irjmt24611">https://doi.org/10.54392/irjmt24611</a> ,	2024
Prof. D. Annapurna	An experimental investigation on flexural strength of bamboo reinforcement concrete	International Journal of Emerging Technologies and Innovative Research	<b>ISSN : 2349-5162</b>	2024
	Flexural behaviour of Hybrid and Graded Fibre Reinforced Concrete	International Conference on Cement and Building concrete	<b>ISSN 2366-2577</b>	2024

		for a sustainable and Resilient infrastructure		
	An extensive study on a viable cement alternative using different activator combinations	Fourth international conference on sustainable energy, environment and green technologies		2024
	Hydrodynamic and seismic analysis of balanced cantilever bridge	Third International conference on advances in concrete and construction engineering for sustainability	ICACC 2024	14 <sup>th</sup> to 17 <sup>th</sup> March, 2024
Dr. S.V.S.N.D.L Prasanna Dr. P. Anuradha	ANN-Based Prediction of Compressive Strength in Glass Wool Reinforced Brick	E3S Web of Conferences 559, 04006 (2024)	<a href="https://doi.org/10.1051/e3sconf/202455904006">https://doi.org/10.1051/e3sconf/202455904006</a>	08 August 2024
	Assessment of Engineering Characteristics for Black Cotton Soil with Addition of Layered Stone Dust	E3S Web of Conferences 559, 04006 (2024)	<a href="https://doi.org/10.1051/e3sconf/202455904002">https://doi.org/10.1051/e3sconf/202455904002</a>	08 August 2024
Dr. Harish Gupta	Irrigation suitability assessment of urban wastewater for sustainable agriculture: a case study of Musi River	India Discover Water 4	1-16	2024
	Lithium: A review of applications, occurrence, exploration, extraction, recycling, analysis, and environmental impact	Geoscience Frontiers	Impact Factor 3.4	2024

	Nutrient Dynamics in Small West-Flowing Tropical Mountainous Rivers of India	Applied Geochemistry 169	106035 Impact Factor 3.4	2024
Mr. R. Rajendar	Assessment of Structural Response of RC Building under Blast Load	International Journal of Structural Engineering (IJSE)	Volume 6, Issue 2 Pg: 35-49	July-December 2024
	Study of Behaviour of Self-Compacting Concrete with Recycled Concrete Aggregates by Different Curing Techniques	International Journal of Innovative Research in Technology (IJIRT)	Volume11, Issue 5 PP 197-204	October 2024

## 2023-24

Faculty Name	Paper Title	Journal Name	ISSN No.	Volume No. & Year
Prof. K.L. Radhika	<b>Seismic Response of RC Framed Irregular Structures</b>	International UKIERI Concrete Congress		18 September 2023
Sr. Prof. M. Kumar	<b>Examining Mode Choice Modeling for Historical Heritage Destination: An Analysis Based on an Indian City</b>	Asian Research Journal of Current Science	Volume 5, Issue 1	26 December 2023
	<b>A Comprehensive Investigation of Pavement Evaluation Through Field and Laboratory and Prioritization</b>	Lecture Notes in Civil Engineering	<b>Volume 377</b>	29 October 2023
	<b>Mode Choice Behaviour in Leisure Travel: A Case</b>	Lecture Notes in Civil Engineering	<b>Volume 377</b>	29 October 2023



	<b>Study of Indian Cities</b>			
	Reduction of Delays at Isolated Signalized Intersection using Novel Golden Eagle-Based Fuzzy Signal Controller	ELSEVIER	<b>Volume 82</b>	21 July 2023
Sr. Prof. V. Bhikshma	Evolutionary Design and Calibration of District Metered Area of Water Supply Networks Using H2OMAP Model	Journal of Hydrogeology & Hydrologic Engineering,	-	Vol. 6(1), Pp. 1-6
Sr. Prof. M. Gopal Naik	"Modelling A Multi Criteria Decision Support System for Prequalification Assessment of Construction Contractors Using Critic and Edas Models."	Operation al Research in Engineering Sciences: Theory and Applications	ISSN: 2620-1607	Vol. 4 (2), Pp.79- 101
	"An Investigation on Construction Crisis Framework Based on the CRITIC and WASPAS Methods, a Case Study; Khuzestan province (Iran).	Internation al Journal of Engineering and Advanced Technology (IJEAT)	ISSN: 2249-8958	Vol. 10 (4), Pp.89- 100
	"Designing a framework for subcontract or's selection in construction projects using an MCDM model" Operational Research in Engineering Sciences: Theory and Application s	Operation al Research in Engineering Sciences: Theory and Applications	ISSN: 2620-1607eIS SN: 2620- 1747	Vol. 3, Issue 3, 2020, pp. 48- 64
	Investigation on Built-up, Population and Road Network Density Dynamics using GIS, Regression and Causation Analysis– A Case Study of Hyderabad City, India	ASCE-Journal of Urban Planning and Development	Volume 149, Issue 3	2023
	Urban Rainfall Runoff Modelling Using HEC-HMS and Artificial Neural Networks: A Case Study	International Journal of Mathematical, Engineering and Management Sciences	Vol 8 (3), pp 403- 423	2023
	Flood Inundation Mapping for a Kukatpally Gauged Basin Using HECRAS: A Case Study of	Advances in Engineering Research, Atlantis	pp: 320-333	2023

	Hyderabad Metropolitan Area, Telangana State, India	Press, Springer		
	Construction Delay Assessment using Compound Index and Fuzzy Optimization Technique: A Case Study of Hyderabad Construction Industry	Journal of Advanced Research in Applied Sciences and Engineering Technology	1. Vol 34(2), pp 30-49.	2023
Prof. Raja Shekar Reddy	Study On Pedestrian Road Crossing Behaviour Under Mixed Traffic Condition	International Journal of Innovative Research in Technology (UGC CARE)	2349- 6002	Volume 11, Issue 1, June 2024
	Effect ofAggregateGradationandBinder ParametersonRuttingofBitumino usPavements	International Journal of Innovative Research in Technology (UGC CARE)	2349- 6002	Volume 11, Issue 1, June 2024
	Techno- EconomicalDesignofFlexiblePave mentbasedontheStabilizationofS oil using stone dust as an additive	International Journal of Innovative Research in Technology (UGC CARE)	2349- 6002	Volume 11, Issue 1, June 2024
Prof. R. Srinivasa Kumar	Development of Deduct Value Curves and Assessment of Pavement Condition of Asphalt Pavements	Material Science and Technology	ISSN 10050299	Vol. 22(11), Nov., 2023
	Evaluation and Comparison of Asphalt Pavement Condition Rating based on Proposed PCI and IRC Method	Journal of Engineering Sciences	ISSN 03779254	Vol. 14(11), Nov., 2023

Prof. D. Annapurna	An investigation on service life & MgO use in green cement	Journal of Emerging Technologies and Innovative Research	Issue 6 Vol 10 Pg No. K306- 314	2023
	Seismic response of RC framed irregular structures	Materials Today	Pg:530-537	2023
	Water and chemical penetration characteristics of graded geopolymer concrete	Materials Today	ElSevier	2023
Dr. S.V.S.N.D.L Prasanna	Comparative Study of Boundary Layer Thickness for Flow over Spillways	Asian Research Journal of Current Science	Volume 5, Pages 107-116	2023
	An experimental analysis for clay bricks manufacturing with partial replacement of glass wool	Australian Journal of Structural Engineering	Volume 24 Pages 294-309	2023
	Comparison of multi-objective and single objective calibration for SWAT model: a case study on Musi river basin, India	ISH Journal of Hydraulic Engineering	Volume 29, Pages 714-721	2023
	Prediction and Comparison of Rainfall-Runoff Using Mathematical Model	IOP Conference Series: Earth and Environmental Science		2023
Dr. Harish Gupta	A Comprehensive Review on Urban Floods and its Modeling Techniques in Time Series Forecasting, (Chapter 10) Edited by Dinesh C. S. Bisht, Mangey Ram	CRC Press (Taylor&Francis Group)	9781003102281	2023
	Artificial Neural Networks (ANNs) and their Application in Soil and Water Resources Engineering in Time Series Forecasting (chapter 12 )Edited	CRC Press (Taylor&Francis Group)	9781003102281	2023

	by Dinesh C. S. Bisht, Mangey Ram			
Mr. R. Rajendar	Assessment of Structural Response of RC Building under Blast Load	International Journal of Structural Engineering (IJSE)	Volume 6, Issue 2	July-December 2024
	Study of Behaviour of Self-Compacting Concrete with Recycled Concrete Aggregates by Different Curing Techniques	International Journal of Innovative Research in Technology (IJIRT)	Volume11, Issue 5	October 2024

## 2022-23

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Prof. K L Radhika	Seismic response of RC framed irregular structures	Materials Today Proceedings		Page:530-537, Elsevier, 2023
	Comparison on Stiffness Irregularities in Conventional Slab System and Bubble Deck Slab	International Journal of "European Chemical Bulletin	Volume 12, Special Issue 7	Page 1056-1080, Year 2023.
Sr. Prof. M. Kumar	Rheological and microstructural investigation of sodium-based montmorillonite nanoclay modified bitumen at mastic scale	Innovative Infrastructure Solutions	Volume 9	15 November 2024
	Functional and rheological investigations on hydrophilic nanoclay blended bitumen	Discover Sustainability	<b>Volume</b> 5	18 October 2024
	Laboratory investigation of high-temperature functional characterization of organo-modified nanoclay - enhanced bitumen	Results in Engineering	<b>Volume</b> 25	6 January 2025

Sr. Prof. V. Bhikshma	Prefabricated Vertical Drains - Recent Developments	Journal of The Bridge & Structural Engineers, ING-IABSE Publication	-	vol. 45, Number-4, Dec-2015, pp.54-63
Sr. Prof. M. Gopal Naik	Comparative study of sub grade soil strength estimation models developed based on CBR, DCP and FWD Test Results	International Advanced Research Journal in Science, Engineering and Technology	1294-1588	Vol.2, Issue 8, August 2015
	Pavement Distress Condition Evaluation using Rolling Straight Edge	International Journal of Advance Research in Science and Engineering	2319-8354	Vol.05, Issue S-I(01), February 2016
	Two-way Signal Coordination by Using Simple Progressive Systems for Three-Signalized Intersections	American International Journal of Research in Science, Technology, Engineering & Mathematics	2328-3491	Vol.13, Issue 1, December 2015
Prof. R. Srinivasa Kumar	Driving Behaviour Modelling and Evaluation of Traffic Stream Characteristics in Heterogeneous Traffic Flow Condition	Highway Research Journal, Highway Research Board (HRB), Indian Roads Congress (IRC)	ISSN 0376-725	Vol.11(2), pp.41-54, July-December 2022
Prof. D. Annapurna	An experimental investigation on flexural strength of bamboo reinforcement concrete	International Journal of Emerging Technologies and Innovative Research	ISSN 2349-5162	Vol.11, Issue 9, page no.c162-c170, September-2024

	A comparative study of pounding effect on Multi storied building with and without shear wall	International Journal of Innovative Science and Technology		Volume 7, Issue 12, December 2022
	An Investigation on Service Life & Mgo Use in Green Cement	International Journal of Emerging Technologies and Innovative Research		Vol.10, Issue 6, page no.k306-k314, June-2023
Dr. S.V.S.N.D.L Prasanna	Prediction of Solar Radiation Using Data Driven Models	Journal of Physics: Conference Series,		Vol. 2332, 012017, 16 September 2022, pp: 1-8 IOP Publishing, <a href="https://doi.org/10.1088/1742-6596/2332/1/012017">https://doi:10.1088/1742-6596/2332/1/012017</a>
	Prediction and Comparison of Rainfall-Runoff Using Mathematical Model	IOP Conf. Series: Earth and Environmental Science Journal		Impact Factor: 1.254, Q4 Quartile ISSN: 1755-1315 1130 (1-8), Jan 2023 <a href="https://doi.org/10.1088/1755-1315/1130/1/012044">https://doi:10.1088/1755-1315/1130/1/012044</a>
	Comparative Study of Boundary Layer Thickness for Flow over Spillways	Asian Research Journal of Current Science,		Volume 5, Issue 1, 107-116, April 2023; Article no. ARJOCS.1251 <a href="https://jofscience.com">https://jofscience.com</a>
	An Experimental Analysis for Clay Bricks Manufacturing with Partial Replacement of Glass Wool	Australian Journal of Structural Engineering,		Volume 24, Issue 2, 17 Apr 2023. Taylor and Francis Journal <a href="https://doi.org/10.1080/13287982.2023.2197320">https://doi.org/10.1080/13287982.2023.2197320</a>