



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL
(An Autonomous Institute under Kakatiya University, Warangal)

DEPARTMENT OF CIVIL ENGINEERING

List of faculty publications (2020-2021)

S.No	Name of the Faculty	Title with page nos.	Name of the Journal	Impact Factor	ISSN / ISBN No.	No. of Co-authors	Whether SCI/ SCIE/ ESCI/Scopus/ WoS/UGC	DOI
1	Dr. M. Veera Reddy	Use of Polyacrylamide for Erosion and Fugitive Dust Control of Geomaterials - A Review	International Conference on Recent Developments in Sustainable Infrastructure (ICRDSI -2020)			3	Conference Proceedings	
2	Dr. L. Sudheer Reddy	Durability Studies on Bacterial Concrete Embedded with Bacillus Subtilis, pp:583-591	Design Engineering		0011-9342	1	Scopus	
3	Dr. L. Sudheer Reddy	Experimental Studies On Strength and Durability Characteristics of 8M GeoPolymer Mortar Based On Fly Ash and GGBS	IOP Conference Series: Materials Science and Engineering			3		oi:10.1088/1757-899X/994/1/012005

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4	Dr. L. Sudheer Reddy	A Review on Strength and Durability characteristics of Alkali Activated Binders						
5	Dr. M. Andal	“Applications of classical Newmark method to statically indeterminate structures”	International conference on Aeronautics and Beyond (ICAB-2020)			2	Conference Proceedings	
6	Dr. D. Hari Krishna	Comparative study on shear performance of blended pozzolonic RC beams with fly ash and recycled aggregates, Vol. 47, No. 4, October - November 2020 pp. 273-283	CSIR Chennai Journal of Structural Engineering	2.454	ISSN 2214-7853	2	Scopus	https://serc.res.in/jose
7	Dr. S. Sunil Pratap Reddy	Durability Studies on Bacterial Concrete Embedded with Bacillus Subtilis, pp:583-591	Design Engineering		0011-9342	1	Scopus	
8	Sri. N. Srikanth	Stress-Strain Behaviour of Self-consolidated Processed Recycled Aggregate Concrete 51-59	Lecture Notes in Civil Engineering	0.105	ISSN 2366-2565	2	Scopus	https://doi.org/10.1007/978-981-33-6389-2_6

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9	Sri. N. Srikanth	Studies on Infiltration Rate of Pervious Concrete, 21-28	Lecture Notes in Civil Engineering	0.105	ISSN 2366-2565	1	Scopus	https://doi.org/10.1007/978-981-33-6389-2_3
10	Sri. Md. Shakeel Abid	Performance of polypropylene textile encased stone columns, Vol. 49 (1), Pg. No. 222-242,	Geotextiles & Geomembranes	3.52	0266-1144	2	SCIE	https://doi.org/10.1016/j.geotexmem.2020.10.025
11	Sri. Md. Shakeel Abid	Experimental Investigations on Footings supported on soft clay beds reinforced with strength enhanced Jute Geogrids	GeoAmericas 2020 - 4th Pan American Conference in Geosynthetics				Conference	
12	Dr. A. Suchith Reddy	Integration of advances in sustainable technologies for the development of Sustainable Building Assessment Tool'	International Journal of Technology Management & Sustainable Development		ISSN 2040-0551		Scopus	
13	Dr. A. Suchith Reddy	Developing Sustainable Performance Index (SPI) for Self Compacting Concrete	Journal of Building Engineering	2.8		2	SCI	DOI: 10.1016/j.jobe.2019.100974

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		s						
14	Dr. A. Suchith Reddy	Interrelationship and rationality between Sustainable Indicators and Criteria - A Fuzzy approach	Advances in Sustainable Construction and Resource Management				Book Chapter	
15	Dr. A. Suchith Reddy	Interrelationship and rationality between Sustainable Indicators and Criteria - A Fuzzy approach	Construction Resources for Environmentally Sustainable Technologies				International Conference	
16	Dr. B. Sumanth Kumar	Comparative Study of Shear friction on Monolithic Geopolymer Concrete, 26(1) (2021), 3-11	Int. Journal of Cement WapnoBeton	0.83	14258129	1	SCI	DOI: https://doi.org/10.32047/CWB.2021.26.1.1
17	Dr. B. Sumanth Kumar	A Study on Binder index - A new parameter to predict the strengths of GGBS and Fly ash Geopolymer Concretes (PP 23 - 30)	Indian Concrete Institute Journal		0972-2998	3	UGC	

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18	Dr. D. Abhigna	Comparitive Study of Pedestrian Crossing Behaviour at Uncontrolled Urban Intersection and Midblock Locations, 698-706	Transportation Research Procedia	1.2	2352-1465	4	Scopus	https://www.sciencedirect.com/journal/transportation-research-procedia/vol/48/suppl/C
19	Sri. P. Teja Abhilash	A GIS Based Approach to asses ground water quality in Kurnool Dist.	Sustainable Water Resources Management			1	Scopus	https://doi.org/10.1007/s40899-021-00500-4
20	Dr. N. Gangadhara Reddy	Properties and Assessment of Applications of Red Mud (Bauxite Residue): Current Status and Research Needs.12, 1185-1217.	Waste and Biomass Valorization, Springer	2.85	1877-2641	6	SCI	https://doi.org/10.1007/s12649-020-01089-z

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21	Dr. N. Gangadhar a Reddy	Desiccation Cracks Mitigation Using Biomass Derived Carbon Produced from Aquatic Species in South China Sea	Waste and Biomass Valorization, Springer	2.85	1877-2641	7	SCI	https://doi.org/10.1007/s12649-020-01057-7 .
22	Dr. N. Gangadhar a Reddy	Strength Development of Geopolymer Composites made of Red Mud - Fly Ash as a Subgrade Material in Road Construction. 25(1), 04020068 (p.10).	Journal of Hazardous, Toxic, and Radioactive Waste, ASCE	0.6	2153-5515	4	WoS	https://ascelibrary.org/doi/full/10.1061/%28ASCE%29HZ.2153-5515.0000575
23	Dr. N. Gangadhar a Reddy	Laboratory model tests on capillary barrier infiltration using active heated fiber optic method. 43(1), 147-155.	Chinese Journal of Geotechnical Engineering	0.61	1000-4548	5	SCI	https://doi.org/10.11779/CJGE202101017

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24	Dr. N. Gangadhar a Reddy	Modelling Contaminant Transport in Fly Ash-Bentonite Composite Landfill Liner: Mechanism of Different Types of Ions, 10, 11330 (p. 8).	Scientific Reports, Nature	3.99	2045-2322	4	SCI	https://doi.org/10.1038/s41598-020-68198-6
25	Dr. N. Gangadhar a Reddy	Evaluating the Suitability of Geomaterials-Amended Soil for Landfill Liner: A Comparative Study, 24(4), 04020052 (p.7).	Journal of Hazardous, Toxic, and Radioactive Waste, ASCE	0.6	2153-5515	5	WoS	https://doi.org/10.1061/(ASCE)HZ.2153-5515.0000551
26	Dr. N. Gangadhar a Reddy	Potential of Citric Acid for Amendment of Extremely Alkaline Bauxite Residue: Effect on Geotechnical and Geoenvironmental Properties. 24(4), 04020047 (p.17).	Journal of Hazardous, Toxic, and Radioactive Waste, ASCE	0.6	2153-5515	2	WoS	https://doi.org/10.1061/(ASCE)HZ.2153-5515.0000541

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27	Dr. N. Gangadhar a Reddy	Hydrogeochemical Characterization, Groundwater Quality and Water Resource Management in Salem, Tamil Nadu, India	International Conference on Recent Developments in Sustainable Infrastructure (ICRDSI -2020)			4	Conference Proceedings	
28	Dr. N. Gangadhar a Reddy	Use of Polyacrylamide for Erosion and Fugitive Dust Control of Geomaterials - A Review	International Conference on Recent Developments in Sustainable Infrastructure (ICRDSI -2020)			3	Conference Proceedings	
29	Dr. N. Gangadhar a Reddy	Application of Biopolymers for Enhancing Engineering Properties of Problematic Soils and Industrial Wastes: A Review.	Online National Conference on Advances in Sustainable Construction Materials (ASCM 2020)			2	Conference Proceedings	

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30	Dr. N. Gangadhara Reddy	Effects of Pyrolysis Temperature, Feedstock Type and Compaction on Water Retention of Biochar Amended Soil, Vol.11, pp. 7419 & 2021	Scientific Reports, Nature	3.99	2045-2322	9	SCI	https://doi.org/10.1038/s41598-021-86701-5
31	Dr. N. Gangadhara Reddy	Influence of soil density on gas permeability and water retention in soils amended with in-house produced biochar. Vol.13 (3), pp. 593-602	Journal of Rock Mechanics and Geotechnical Engineering, Elsevier,	4.34	1674-7755	9	SCI	https://doi.org/10.1016/j.jrmge.2020.10.007
32	Dr. M. B. Sushma	A Modified Motion Planning Algorithm for Horizontal Highway Alignment Development.	Computer-Aided Civil and Infrastructure Engineering.	8.555	1467-8667	1	SCI	https://doi.org/10.1111/mice.12534

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33	Dr. M. B. Sushma	Implication of Repatriating Migrant Workers on COVID-19 Spread and Transportation Requirements.	Journal of Transportation Research Interdisciplinary Perspectives.	1.555	2590-1982	2	SCI	https://doi.org/10.1016/j.trip.2020.100187
34	Dr. M. B. Sushma	An India-specific Compartmental Model for Covid-19: Projections and Intervention Strategies by Incorporating Geographical, Infrastructural and Response Heterogeneity	arXiv preprint			18	Scopus	https://arxiv.org/abs/2007.14392
35	Dr. M. B. Sushma	Implication of Inter-State Movement of Migrant Workers during COVID 19 Lockdown using Modified SEIR Model	arXiv preprint			2	Scopus	https://arxiv.org/abs/2005.04424

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36	Dr. M. B. Sushma	Exploration and Exploitation Based Ant Algorithm for Optimized Vertical Highway Alignment	Transportation Research Board (TRB) 99th Annual Meeting			3	Conference Proceedings	
37	Sri K V Ramana	Workability and strength properties of fly ash and slag based	Innovative Technology for Clean and sustainable Development (ITCSD-2020)				Conference	

Prof. M. Veera Reddy

Head of the Department