



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

DEPARTMENT OF CIVIL ENGINEERING

List of faculty publications (2021-2022)

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	A Comparative Study on Dynamic Analysis of G+8 storey multicolumn Structure with A Single Column Structure having additional strut members Using STAAD-Pro	International conference on "Recent Advances in Sustainable Environment(RASE2022)" during February 25th - 26th 2022, held at Shobhit University Gangoh, Uttar Pradesh, India.				International Conference	
2	Dr. M. Veera Reddy	Finding an optimal path with hospital information system using GIS-based Network analysis, Vol. 18, pp:1-6	WSEAS Transactions on Information Science and Applications			1		DOI: 10.37394/23209.2021.18.1
3	Dr. L. Sudheer Reddy	Evaluation of Strength and Durability Properties of Concrete with recycled Coarse Aggregate and Steel Fibre Reinforcement	Sustainable Construction materials and Recent Innovations in Civil Engineering				Conference Proceedings	

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4	Dr. M. Andal	Fracture parameters of Flyash and GGBS based alkali activated concrete	International conference on advances in construction materials and structures				International Conference	
5	Dr. M. Srikanth	Environmental Impact Assessment of Residential Building – A Case Study	International Conference on Advances in Structural Mechanics and Applications (ASMA-2021) Department of Civil Engineering, National Institute of Technology, Silchar				Conference Proceeding	
6	Dr. M. Srikanth	Evaluation Of Strength and Durability Properties Of Concrete With Recycled Coarse Aggregate And Steel Fibre Reinforcement	National Conference on Sustainable Materials and Recent innovations in Civil Engineering, Department of Civil Engineering, Vaagdevi College of Engineering, Bollikunta				Conference Proceeding	
7	Dr. S. Sunil Pratap Reddy	Analysis and Design of G+6 Building in Different Seismic Zones of India using STAAD Pro	Sustainable Construction materials and Recent Innovations in Civil Engineering				Conference Proceedings	
8	Dr. S. Sunil Pratap Reddy	Evaluation of Strength and Durability Properties of Concrete with recycled Coarse Aggregate and Steel Fibre Reinforcement	Sustainable Construction materials and Recent Innovations in Civil Engineering				Conference Proceedings	

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9	Sri. N. Srikanth	Perfunctory performance of self-compacting concrete using recycled coarse aggregate with and without processing, 307-318.	Journal of Structural Engineering	0.11	ISSN 0970-0137	2	Scopus	
10	Sri. N. Srikanth	Studies on Impact Resistance of Self-Compacting Concrete with mechanically treated Recycled Coarse Aggregate, 1-10.	IOP Conference Series: Materials Science and Engineering	0.51	ISSN 0970-0137	2	Scopus	doi:10.1088/1757-899X/1197/1/012051
11	Sri. K. Srujan Varma	Flexural Behaviour of Structured and NonStructured Water Fibrous Concrete using ANSYS pp-198-205	Journal of Education : Rabindra Bharati University	0.45	0972-7175	2	UGC	
12	Sri. K. Srujan Varma	Flexural Behaviour of Structured and NonStructured Water Fibrous Concrete using ANSYS	International Conference on Computing for Sustainable Development in Civil Engineering” during 24th & 25th June 2021 (ICCSDC - 2021)		ISBN No: 978-81-952677-8-1	3	International Conference	

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13	Sri. Md. Shakeel Abid	Bearing Capacity of Asphalt-Coated Jute Textile Reinforced Sand. Vol. 40 (3),	Geotech GeolEng			1		https://doi.org/10.1007/s10706-022-02106-9
14	Dr. A. Suchith Reddy	Advances in Sustainable Materials and Resilient Infrastructure	Transactions in Civil and Environmental Engineering series		ISBN 978-981-16-9744-9	3	Edited Book	
15	Dr. A. Suchith Reddy	Towards a sustainable and resilient infrastructure through interdependency among performance of indicators	Springer Transactions in Civil and Environmental Engineering series, Book Publications				Book Chapter	
16	Dr. A. Suchith Reddy	Assessing Interdependency among Sustainable Criteria and Indicators for Developing a Building Assessment Tool, 14(4), pp. 647-663	International Journal of Sustainable Engineering		ISBN No. 1939-7046		SCI	doi.org/10.1080/19397038.2021.1888338
17	Dr. A. Suchith Reddy	Environmental impact assessment of residential buildings - A Case Study	Advances in Structural Mechanics and Applications				Book Chapter	

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18	Dr. A. Suchith Reddy	Role of National Building Code in Fostering the Transition to Sustainable Construction	Advances in Structural Mechanics and Applications				Book Chapter	
19	Dr. B. Sumanth Kumar	A Parameter to Assess the Strength of Fly Ash and GGBS-Based Geopolymer Concrete	Springer Transactions in Civil and Environmental Engineering		978-981-16-9744-9	1	Scopus / Book Chapter	DOI: 10.1007/978-981-16-9744-9_13
20	Dr. B. Sumanth Kumar	An experimental study on the interface shear strength of reinforced geopolymer concrete corbels	Australian Journal of Civil Engineering	3.281	1448-8353	1	Scopus	DOI: 10.1080/14488353.2021.1984371
21	Dr. B. Sumanth Kumar	Experimental Investigation on Fly Ash and GGBS based Geopolymer Corbels	International Conference on Structures, Materials and Construction, ICSMC 2021	-	-	-	Conference Proceedings	
22	Dr. B. Sumanth Kumar	Experimental Study on Fly Ash and GGBS based Geopolymer Corbels	Environment Concerns and its Remediation(ECR21)	-	-	-	Conference Proceedings	
23	Dr. B. Sumanth Kumar	Behaviour of Fly ash and GGBS Reinforced Geopolymer Concrete Corbels	Sustainable Construction Materials and Recent Innovations in Civil Engineering, VCE, Warangal.	-	-	-	Conference Proceedings	-
24	Dr. B. Sumanth Kumar	Parametric Study of Geopolymer Concrete - A Review	Sustainable Construction Materials and Recent Innovations in Civil Engineering, VCE, Warangal.	-	-	-	Conference Proceedings	-

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25	Smt. N Sree Laxmi Pavani	AHP and GIS Techniques for the Demarcation of Groundwater Potential Zones in a Part of Granitic Bundelkhand, India- A Case Study of District Jhansi	International Journal of Mechanical Engineering (IJME)	2.1	ISSN: 0974-5823	7	Scopus	https://kalaharijournals.com/resources/FebV7_12_136.pdf
26	Sri P Teja Abilash	Prediction of compressive strength of roller compacted concrete using regression analysis and artificial neural networks	Innovative Infrastructure Solutions			2	SCI	doi.org/10.1007/s41062-021-00590-1
27	Sri P Teja Abilash	Influence of Soft Drink Bottle Caps as Steel Fibre on Mechanical Properties of Concrete	Advances in Sustainable Materials and Resilient Infrastructure			2	Book Chapter	
28	Ms. K. Manasa	Fracture parameters of Flyash and GGBS based alkali activated concrete	International conference on advances in construction materials and structures				International Conference	
29	Dr. N. Gangadhara Reddy	Monitoring waterinfiltration of capillary barrier with actively heated fiber Bragg gratings	Environmental Geotechnics, ICE Publishing.	1.62	2051-803X	5	SCI	https://doi.org/10.1680/jenge.21.00130
30	Dr. N. Gangadhara Reddy	Monitoring flexure behavior of compacted clay beam using high-resolution distributed fiber optic strain sensors	Geotechnical Testing Journal, ASTM	1.84	1945-7545	5	SCI	https://doi.org/10.1520/GTJ20200331

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31	Dr. N. Gangadhara Reddy	Development of a Machine Learning-Based Drone System for Management of Construction Sites, pp. 77-88	In book: Advances in Sustainable Materials and Resilient Infrastructure		978-981-16-9744-9	1	Internationally Renowned	https://doi.org/10.1007/978-981-16-9744-9_5
32	Dr. N. Gangadhara Reddy	Advances in Sustainable Materials and Resilient Infrastructure	Edited book, Springer Publisher		2363-7633	3	Internationally Renowned	https://doi.org/10.1007/978-981-16-9744-9
33	Dr. N. Gangadhara Reddy	Physico-Chemical and Mechanical Characterization of Ferrochrome Slag Aggregates for Utilization as a Road Material. Vol. 164, 654-657	Lecture Notes in Civil Engineering		978-9811697432	1	Scopus	https://doi.org/10.1007/978-3-030-77230-7_49
34	Dr. N. Gangadhara Reddy	Utilization of Reclaimed Asphalt Pavement Material (RAP) as a Part of Bituminous Mixtures, Vol 1, pp. 111-127	In book: Urban Mining for Waste Management and Resource Recovery		9781003201076	2	Internationally Renowned publisher	https://doi.org/10.1201/9781003201076-7
35	Dr. M. B. Sushma	Exploring and exploiting ant colony optimization algorithm for vertical highway alignment development, pp:1-20	Computer-Aided Civil and Infrastructure Engineering	11.775		2		https://doi.org/10.1111/mice.12814 .
36	Dr. M. B. Sushma	Finding an Optimal path with hospital information system using GIS based Network analysis	WSEAS Transactions on Information Science and Applications	-	2224-3402	1	Scopus	10.37394/23209.2021.18.1

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37	Dr. M. B. Sushma	Optimum Point of Intersection Selection in Horizontal Highway Alignment Design:A comparative Study using Path Planner Method and Ant Algorithm	International Conference on Transportation Systems Engineering and Management		978-981-16-9744-9		Conference Proceedings	
38	Dr. M. B. Sushma	The effect of COVID-19 on Public Transportation Sectors and Conceptualising the shifting Paradigm: A Report on Indian scenario	Advances in Sustainable Materials and Resilient Infrastructure				Book Chapter	10.1007/978-981-16-9744-9-2
39	Sri. M Sai Bargav Reddy	Modelling and Mitigation of Salt Water Intrusion in Coastal Aquifers Using SEAWAT: A Review, Page No: 55	HYDRO 2020 International Conference			1	Conference Proceedings	

Prof. M. Srikanth

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