

# DEPARTMENT OF CIVIL ENGINEERING

## FACULTY PUBLICATION DETAILS July 2019- June 2020

### Journal Papers

SNo	Name of author/s	Title of paper	Name of journal/ conference	Year
1	Dr.HanumaKasagani	A study on strength of concrete with processed recycled aggregate	Cement WapnoBeton, 3, 238-247.	2019 SCI
2.	Dr.HanumaKasagani	Influence of Graded Glass Fibers on Strain Hardening and Strain Softening behavior of GFRC under Uniaxial stress	Magazine of Concrete Research, DOI: 10.1680/jmacr.19.00303	2020 SCI
3.	Khaja Sameer Shaik, Ramesh Velivela,	Hydrophilic and hydrophobic chemicals as self-curing agents in self-compacting concrete	Journal of Building Engineering, 28, 1-7.	2020 SCI
4.	Dr P Polu Raju	Experimental Study on Seismic performance of bed joint reinforced solid brick masonry walls	Journal of Environmental Protection and Ecology	2020 SCI
5.	Dr GV Rama Subba Rao	Seismic liquefaction potential assessment of Andhra Pradesh Capital Region	Journal of Earth System Science (Accepted)	2020 SCI
6.	T. Sujatha and Dr. Chava Srinivas	Development of Composite Concrete with Fibers	International Journal of Recent Technology and Engineering, 8(2), 482-487.	2019 Scopus
7.	Teja Sai, Yaswanth Kumar and Harron Ali Khan	Effect of Fire on Prefabricated Concrete Beam Column Connections	International Journal of Recent Technology and Engineering, 8(2), 1433-1436.	2019 Scopus
8.	Ramesh Velivela, Panduranga Rao Bavineni	An alternative approach to lateral load analysis of framed type elevated water tank stagings	Asian Journal of Civil Engineering <a href="https://doi.org/10.1007/s42107-019-00186-2">https://doi.org/10.1007/s42107-019-00186-2</a>	2019 Scopus
9.	Dr. SK Shukla	Study of Fibre-Clay interface behaviour and reinforcing mechanism	Geotechnical and Geological Engineering, <a href="https://doi.org/10.1007/s10706-019-01138-y">https://doi.org/10.1007/s10706-019-01138-y</a>	2019 Scopus
10.	Dr. CH R V Prasad	Physico-chemical characterization of alkali contaminated tropical kaolinitic clays	International Journal of Geotechnical Engineering, DOI: 10.1080/19386362.2019.1638045	2019 Scopus
11.	Suma Y	A critical Analysis of Feasibility of Mixing Waste Water in Cement Mortar and Concrete	International Journal of Recent Technology and Engineering, 8(2), 574-580.	2019 Scopus
12.	Phani Ram G	Study of effect of rise span ratio and study of different hanger configuration in the analysis of bowstring arch bridge	International Journal of Engineering Research and Technology, 8(7), 42-53.	2019
13.	M. Kanta Rao	Durability Assessment of Concrete with Class-F	International Journal of Recent Technology and	2019

		Fly Ash by Chloride Ion Permeability	Engineering (IJRTE) ISSN: 2277-3878	Scopus
14.	B. JagadishChakravarti	Behaviour of Cold Formed Light Gauge Steel Angle Columns Subjected To Eccentric Loading	International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, 8(6), 384-396.	2019 Scopus
15.	Phani Ram G	Design Concept of Pre-Stressed Balanced Cantilever Segmental Bridge	International Journal of Architectural Design and Management, 2(1), 10-18.	2019
16.	Dr. SK Shukla	Tri-axial behaviour of steel-fiber reinforced sand	Eighth International Conference on Case Histories in Geotechnical Engineering, Geocongress, GSP 309, March 24–27, 2019, Philadelphia, Pennsylvania	2019
17.	U V Narayana Rao; A. Dattatreya Kumar & G Yaswanth Kumar	CFD Analysis of Auditorium using Ansys Fluent	International Journal of Recent Technology and Engineering, 8(2), 4533-4538.	2019 Scopus
18.	Dr. MVS Raju	Performance assessment of Soil biotechnology treatment process – A case study	International Journal of Environmental Protection, 39(11), 1069-1072	2019 Scopus
19.	Dr. MVS Raju	Investigation on pitting corrosion rate of micro plasma arc welded titanium (Ti-6Al-4V) alloy sheets in KBr solution using TOPSIS	Journal of Materials & Metallurgical Engineering. 9(2), 1-17	2019 Scopus
20.	A. Dattatreya Kumar	Remediation of Urban Polluted Lake Water and Sediments	International Journal of Recent Technology and Engineering, 8(5), 2338-2341	2019 Scopus
21.	A. Dattatreya Kumar	Urban Water Quality Scenario by using Geospatial Engineering	International Journal of Innovative Technology and Exploring Engineering, 9(3), 200-205	2019 Scopus
22.	P Krishna Prasanna	Compressive Strength Assessment using GGBS and Randomly Distributed Fibers in Concrete	International Journal of Innovative Technology and Exploring Engineering, 9(2), 1078-1086	2019 Scopus
23.	Dr KSR Prasad & Dr TS Rambabu	Effect of partial replacement of cement with ground granulated blast furnace slag on the properties of concrete	Journal of advanced research in dynamical and control systems	2019 Scopus
24.	Dr P Polu Raju	An evaluation of manufactured sand and metakaolin impacts on concrete properties	International Journal of Innovative Technology and Exploring Engineering, 8(12), 188-192	2019 Scopus
25.	Dr P Polu Raju	Design and development of high performance based engineered cementitious composite eco-friendly beams preparation: an integrated approach	Materials Today Proceedings (In press)	2020 Scopus WOS
26.	Dr P. Polu Raju	Impact of materials on characteristics of engineered cementitious composite at elevated temperatures: An integrated approach	Materials Today Proceedings (In press)	2020 Scopus WOS
27.	Dr P. Polu Raju	Analytical study on seismic performance of bed joint reinforced solid	Materials Today Proceedings (In press)	2020 Scopus

		brick masonry walls		WOS
28.	Dr P. Polu Raju	An integrated methodology for structural performance of high-volume fly ash concrete beams using hybrid fibers	Materials Today Proceedings (In press)	2020 Scopus WOS
29.	U.V. Narayana Rao, G.Yaswanth Kumar, K Srinivasa Rao	Design and Sustainability of an Earthquake Resistant G+3 Residential Building	International Journal of Recent Technology and Engineering, 8(6), pp.4504 - 4512	2020 Scopus
30.	U.V. Narayana Rao, G.YaswanthKumar,A. Dattatreya Kumar,	Mechanical Properties of Fly Ash Based Geopolymer Concrete and Conventional Concrete	International Journal of Recent Technology and Engineering, 8(6), pp. 3121 - 3127	2020 Scopus
31.	T. Sujatha, Teja Sai, Harron Ali Khan and Dr. Chava Srinivas	Bottom Ash based steel fiber reinforced concrete	International Journal of Recent Technology and Engineering, 8(6).	2020 Scopus
32.	Dr. Hari Krishna G, K. Ramachandra Rao	Modelling Vehicular Behaviour using Trajectory Data Under Non-Lane Based Heterogeneous Traffic Conditions	Archives of Transport, 52(4), 95-108	2019 Scopus
33.	Ambati Dattatreya Kumar	Ground water Quality at Down Stream Area of River Basin by using Geospatial Engineering	International Journal of Innovative Technology and Exploring Engineering, 9(3), pp. 1236-1241	2020 Scopus
34.	Ambati Dattatreya Kumar	Urban Water Quality Scenario by using Geospatial Engineering	International Journal of Innovative Technology and Exploring Engineering, 9(3), pp. 200 - 205	2020 Scopus
35.	Ambati Dattatreya Kumar	Remediation of Urban Polluted Lake Water and Sediments	International Journal of Recent Technology and Engineering, 8(5), pp. 2338 - 2341	2020 Scopus
36.	Ambati Dattatreya Kumar	Statistical Modelling of Groundwater for Environmental Sustainability	International Journal of Innovative Technology and Exploring Engineering, 9(4), pp. 461 - 464	2020 Scopus
37.	Ambati Dattatreya Kumar	Geospatial Engineering on Hydrological Behaviour of Catchments at River Basin	International Journal of Innovative Technology and Exploring Engineering, 9(4), pp. 94 - 99	2020 Scopus
38.	Ambati Dattatreya Kumar	Hydrological Modelling of Catchments at Industrial Sector	International Journal of Engineering and Advanced Technology, 9(3), pp. 1366 - 1369	2020 Scopus
39.	Ambati Dattatreya Kumar	Impact of Lime Stone on Groundwater and Soil	International Journal of Recent Technology and Engineering, 8(5), pp. 1101 - 1104	2020 Scopus
40.	Ambati Dattatreya Kumar	Exploration of Groundwater Quality to Promote Sustainable Environment	International Journal of Recent Technology and Engineering, 8(6), pp. 2012 - 2015	2020 Scopus
41.	Dr. B Pandu Ranga Rao and Malathi N	Efficient method on Energy Regeneration through Speed Breakers	International Journal of Innovative Technology and Exploring Engineering, 9(4), pp. 19 - 23	2020 Scopus
42.	Satish S	Road Accident Scenario in Vijayawada – A CaseStudy	TEST Engineering & Management magazine, 83, pp. 8892 – 8901.	2020 Scopus

## Conference Papers

SNo	Name of author/s	Title of paper	Name of journal/ conference	Year
1	B Venkat Rao	Study on Optimum location of Outrigger in outrigger system in high rise buildings	International Conference on Recent Developments in Sustainable Infrastructre – (Materials and Management), 11 <sup>th</sup> – 13 <sup>th</sup> July, Bhubaneswar, 2019.	2019 Conference
2	B Venkat Rao	Study on optimization and efficiency of outrigger system as virtual outriggers	International Conference on Innovative Trends in Civil Engineering for Sustainable Development, 13-15 <sup>th</sup> Sep, 2019.	2019 Conference
3	Malathi N	Enhancement of Subgrade soil strength using activated fly ash and fiber reinforcement	Interanational Conference on Innovative Trends in Civil Engineering for Sustainable Development, 13-15 <sup>th</sup> Sep, 2019.	2019 Conference
4	Dr. CH R V Prasad	Characterization of Tropical Red Earth Contaminated with Alkali Solutions	International Conference on Geotechnics for High Speed Corridors 358, 25 <sup>th</sup> and 26 <sup>th</sup> July 2019, Thiruvananthapuram, India.	2019 Conference
5	Malathi N	Review of the Fuzzy Logic Based Approach in Traffic Signal Control Prospects in south India	The 3rd International symposium on Multimodal Transportation, (ISMT -2019) Dec 6 -Dec 7, 2019, NUS, Singapore.	2019 Conference

## Book Chapters

SNo	Name of author/s	Title of paper	Name of the book	Year
1	Dr TS Rambabu; Dr VVN Prabhakar&Dr KSR Prasad Rao	Experimental investigations on expansive soils grouted with additives	Advancements in Unsaturated Soil Mechanics	2019 Scopus
2	Dr. CH R V Prasad	Effect of Acid and Alkali Contamination on Swelling Behavior of Kaolin Clay	Geo-Congress 2020: Geo-Systems, Sustainability, Geoenvironmental Engineering, and Unsaturated Soil Mechanics.	2020 ASCE