



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)

Kokapet (Village), Gandipet, Hyderabad, Telangana-500075. www.cbit.ac.in



Department of Civil Engineering

List of Publications from 2017-18

SI No	Title of paper	Name of the author/s	Name of journal	Year of publication	Link to article/paper/abstract of the article	Indexing (Scopus/Wos/others)	Academic Year (Descending Order)
1	Performance of Cement Composite With GGBS And Alccofine as Partial Replacement	S. Sunil Pratap Reddy, L. Sudheer Reddy, M. Srikanth, N. R. Dakshina Murthy, J. Anusha	Indian Concrete Journal	2023	https://icjonline.com/editionabstract_detail/022023	Scopus	2022-23
2	Closure to "Prediction of Flow Resistance in an Open Channel over Movable Beds Using Artificial Neural Network"	Satish Kumar, Jnana Ranjan Khuntia, Kamalini Devi, Bhabani Shankar Das and Kishanjit Kumar Khatua	Journal of Hydrologic Engineering - ASCE	2023	https://ascelibrary.org/doi/10.1061/%28ASCE%29HE.1943-5584.0002225	WoS	2022-23
3	Durability Studies on Self Compacting Recycled Aggregate Concrete Using GGBS	M.Srikanth, L.Sudheer Reddy, S.Sunil Pratap Reddy, D.Hari Krishna & N.R.D.Murthy	Chinese Journal of Geotechnical Engineering	2022	http://ytgxcb.periodicales.com/index.php/CJGE/article/view/186	N	2022-23
4	Studies on the effect of recycled concrete aggregates on concrete with mixed fibre and pozzolans	M.V.S.S. Sastri and K. Jagannadha Rao	IOP Conference Series: Earth and Environmental Science	2022	https://iopscience.iop.org/article/10.1088/1755-1315/1086/1/012010	Scopus	2022-23
5	The Effect of Rough Rigid Apron on Scour Downstream of Sluice Gates	Aamir, Mohammad, Zulfequar Ahmad, Manish Pandey, Mohammad Amir Khan, Ali Aldrees, and Abdullah Mohamed.	Water	2022	https://www.mdpi.com/2073-4441/14/14/2223	WoS	2022-23

6	Performance of Ordinary Grade Bacterial Concrete with Fly Ash as Partial Replacement for Cement	Ravande Kishore, , P. Srinivas Reddy, G. Vijaya Laxmi, Madhavi Latha	International Journal of Engineering Research & Technology	2022	https://www.ijert.org/performance-of-ordinary-grade-bacterial-concrete-with-fly-ash-as-partial-replacement-for-cement	N	2021-22
7	Towards sustainable construction through the application of low carbon footprint products	K Ranjetha, U Johnson Alengaram, Ahmed Mahmoud Alnahhal, S Karthick, WJ Wan Zurina, KJ Rao	Materials Today: Proceedings, Elsevier	2022	https://www.sciencedirect.com/science/article/pii/S2214785321067833	Scopus	2021-22
8	Experimental assessment of coir geotextile to improve the strength of weak subgrade at different load conditions	Dr. P Yugendar, Dr. D Harinder, S. Shankar	Materials Today: Proceedings, Elsevier	2022	https://www.sciencedirect.com/science/article/pii/S2214785321080792	Scopus	2021-22
9	A study on mechanical properties of high strength concrete with alccofine as partial replacement of cement	Harish, B., Dakshinamurthy, N.R., Sridhar, M., Rao, K.J.	Materials Today: Proceedings, Elsevier	2022	https://www.sciencedirect.com/science/article/pii/S2214785321070437	Scopus	2021-22
10	Crushed stone dust as a replacement for river sand in self compacting repair mortars–A sustainable solution	Mupparisetty, V. K. R., & Mohammed, F. A	Materials Today: Proceedings, Elsevier	2022	https://www.sciencedirect.com/science/article/pii/S2214785321070279	Scopus	2021-22
11	Optimization of location of outrigger system in tall buildings of different aspect ratios	Gunda, P., Anthugari Vimala G Pradeep	Materials Today: Proceedings, Elsevier	2022	https://www.sciencedirect.com/science/article/pii/S2214785321065159	Scopus	2021-22
12	Dynamic performance of soft storey structures with gap elements at beam-column joints	Chanumolu, M., A.D.Vimala. Ch Mrudula	Materials Today: Proceedings, Elsevier	2022	https://www.sciencedirect.com/science/article/pii/S2214785321065305	Scopus	2021-22
13	Mode Shape Modification of Irregular Buildings	Balaji Rao, A., P Srinivas Reddy, Meghana Shaly, C.	Materials Today: Proceedings, Elsevier	2022	https://www.sciencedirect.com/science/article/pii/S2214785321081153	Scopus	2021-22
14	An experimental study on flexural performance of RC beams strengthened by NSM technique using GFRP strips for a resilient infrastructure system	Kusuma, Y., Rashmi, T., Anand, V. N., & Balaji, N. C	Materials Today: Proceedings, Elsevier	2022	https://www.sciencedirect.com/science/article/pii/S2214785321076239	Scopus	2021-22
15	Experimental study on mechanical and durability properties of recycled aggregate based geopolymers concrete	R Swamiranga Reddy, B. Anand Sagar	Materials Today: Proceedings, Elsevier	2022	https://www.sciencedirect.com/science/article/pii/S2214785321065342	Scopus	2021-22

16	Experimental assessment of coir geotextile to improve the strength of weak subgrade at different load conditions	Dr. P Yugendar, Dr. D Harinder, S. Shankar	Materials Today: Proceedings, Elsevier	2022	https://www.sciencedirect.com/science/article/pii/S2214785321080792	Scopus	2021-22
17	Dynamic convolutional neural network based e-waste management and optimized collection planning	C. Jenifa Latha, K. Kalaiselvi, S. Ramanarayan, R. Srivel, S. Vani, T. V. M. Sairam	Concurrency and Computation: Practice and Experience	2022	https://onlinelibrary.wiley.com/doi/abs/10.1002/cpe.6941	N	2021-22
18	Correlation of strength development of RCA in quaternary blended cementitious system	MVSS Sastri, K Jagannadha Rao, V Bhikshma	Advances in materials Research	2021	https://koreascience.kr/article/JAKO202124458125072.view?orgId=anpor&hide=breadcrumb,journalinfo	Scopus	2021-22
19	Detection of normal and epileptic EEG signals using by lifting based HAAR wavelet transform and artificial neural network	Ramanarayan Sankriti (CED,CBIT)	International Journal of System Assurance Engineering and Management	2021	https://link.springer.com/article/10.1007/s13198-021-01454-8#citeas	Scopus	2021-22
20	Neural Network Based Prolong Structural Building Monitoring Management System Using Hybrid Wireless Sensor Network	C. Jenifa Latha, Ramanarayan Sankriti, Sudha Arvind, Ali Baig Mohammad, MS.Mariam Jenabhar	NATURAL VOLATILES & ESSENTIAL OILS	2021	https://www.nveo.org/index.php/journal/article/view/1233	Scopus	2021-22
21	Effect of Accelerated Curing on Strength of Quaternary Blended Cement Concrete with Recycled Aggregate	Dr. K. Jagannadha Rao(CED,CBIT), Vishal Akula, MVSS Sastri and P Mahendar	Key Engineering Materials	2021	https://www.scientific.net/KEM.882.247	Scopus	2020-21
22	Comparative study on shear performance of blended pozzolanic RC beams with fly ash and recycled aggregate	Dr. N R Dakshina Murthy(CED,CBIT) Hari Krishna and Dr. NV Ramana Rao	Journal of Structural Engineering (JOSE)	2021	https://ores.su/en/journals/journal-of-structural-engineering-madras/	Scopus	2020-21
23	Modelling Pedestrian Crossing Behaviour at a Midblock Section	Yugendar Poojari, E Prashanth, D Divya, M Kalyani	Slovak Journal of Civil Engineering	2021	https://www.proquest.com/openview/c22a71ecb5165f35f4d628d09b79c011/1?pq-origsite=gscholar&cbl=2026652	WoS	2020-21
24	Energy Efficient Scheduling Algorithm to Increase the Life Time of Battery Power in Wireless Sensor Networks For Structural Health Building Monitoring Applications	Dr. C. Jenifa Latha, Ramanarayan Sankriti, Dr. B.Suneela, G.Aparna	Turkish Journal of Computer and Mathematics Education	2021	https://turcomat.org/index.php/turkbilmat/article/view/6365	Scopus	2020-21

25	Studies on Impact Resistance of Self-Compacting Concrete with mechanically treated Recycled Coarse Aggregate	Srikanth Nune, NR Dakshina Murthy, MV Seshagiri Rao	IOP Conference Series: Materials Science and Engineering	2021	https://iopscience.iop.org/article/10.1088/1757-899X/1197/1/012051/pdf	Scopus	2020-21
26	Mechanical behavior of hybrid fiber reinforced high strength concrete with graded fibers	SRR Teja Prathipati, CBK Rao, NR Dakshina Murthy	International Journal of Engineering	2020	https://www.ije.ir/article_108498.html	Scopus	2020-21
27	Modeling and analysis of reinforced concrete beam without transverse reinforcement and strengthened with CFRP Lamellas: A parametric study	R.Swamiranga Reddy (CED,CBIT) B. Haricharan	SSRG International Journal of Civil Engineering	2020	http://www.internationaljournalsrsg.org/IJCE/paper-details?Id=430	N	2020-21
28	Effect of accelerated curing on strength of quaternary blended cement concrete with recycled aggregate	Akula, V., Sastri, M.V.S.S., Mahender, P., Rao, K.J.	Key Engineering Materials	2020	https://www.scientific.net/KEM.882.247	Scopus	2020-21
29	Effect of recycled aggregate on shear behavior of steel fiber reinforced self compacting concrete	Praveen, K., Venkateswara Rao, S., Rathish Kumar, P	Indian Concrete Journal	2020	https://www.scopus.com/record/display.uri?eid=2-s2.0-85083763358&origin=resultslist&sort=plf-f&featureToggles=FEATURE_NEW_DOC_DETAILS_EXPORT:1,FEATURE_EXPORT_REDESIGN:0	Scopus	2019-20
30	Mix design for fly ash based geopolymer concrete	R Swamiranga Reddy (CED,CBIT)	Journal of Engineering Sciences	2020	https://jespublication.com/upload/2020-200676.pdf	N	2019-20
31	Driving Cycle Estimation and Validation for Ludhiana city, India	Poojari Yugendar(CED,CBIT) , Kalaga Ramachandra Rao , Geetam Tiwari	International Journal for Traffic and Transport Engineering	2020	http://ijtte.com/uploads/2020-04-22/b2dddef4-9b9d-64c8ijtte.2020.10(2).08.pdf	N	2019-20
32	A study on fly ash cement mortar as brick masonry	Dr. D. R. Seshu and Dr. N. R. Dakshina Murthy	Cement Wapno Beton	2020	http://cementwapnobeton.pl/wp-2019/blog/2020/04/2020-01-05/	WoS	2019-20
33	IOT Based Water Purification Process using Ultrasonic Aquatic Sound Waves	C.Jenifa Latha, Ramanarayan Sankriti (CED,CBIT) , Arokia Raj David and R. Srivel	Test Engineering & Management	2020	https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3557318	Scopus	2019-20
34	IOT Based Smoke Test and Vehicle Pollution Control Monitoring Using	Ramanarayan Sankriti, Esaiyarasi G, R	Test Engineering & Management	2020	http://testmagzine.biz/index.php/testmagzine/article/view/6113	Scopus	2019-20

	Nano Sensors	Chandrasekharan and R. Srivel					
35	Impact of Dyke on Hydrological and Hydrogeochemical Conditions in Nadergul Micro Watershed of Ranga Reddy District of Telangana State in India	Ramanarayan Sankriti	Solid State Technology	2020	http://solidstatetechnology.us/index.php/JSST/article/view/1669	N	2019-20
36	Cloud Computing based COVID-19 Patient Health Monitoring System to Create Safety Environment	Ramnarayan Sankirti(CED,CBIT), Yamini Kodali, Bhagyasri Perala, and Srikanth Nalluri	Solid State Technology	2020	http://solidstatetechnology.us/index.php/JSST/article/view/2056	N	2019-20
37	Strength behavior analysis of fiber reinforced fly ash concrete	Dr.P.Yugendar (CED, CBIT) and Dr. K Vishnu	Materials Today: Proceedings, Elsevier	2020	https://www.sciencedirect.com/science/article/pii/S2214785320375878	Scopus	2019-20
38	Mechanical and durability studies on blended pozzolonic concretes with fly ash & recycled aggregates	HarikrishnaDamera, N.R.Dakshina Murthy, N.V.Ramana Rao	Materials Today: Proceedings, Elsevier	2020	https://www.sciencedirect.com/science/article/pii/S2214785320319544	Scopus	2019-20
39	Experimental Investigation on Strength Properties of Ultrafine Fly Ash and Micro Silica as Mineral Admixtures for Vermiculite Mortar	MVSS Sastri, P Ashveen Kumar, K Jagannadha Rao	i-Manager's Journal on Material Science	2019	https://imanagerpublications.com/article/16588/	N	2019-20
40	Estimation of compressive strength of concrete by testing the pozzolanic reactions of blended cement mortars using Bolomey's equation	MVSS Sastri, Dr. K Jagannadha Rao (CED,CBIT) and V.Bhikshma	International Journal of Recent Technology and Engineering	2019	https://www.ijrte.org/wp-content/uploads/papers/v8i3/C5217098319.pdf	Scopus	2019-20
41	Effect of Bacillus Subtilis on Concrete with Steel Fibers and Fly Ash	Vijaya Laxmi Govindugari , Srinivas Reddy P(CED,CBIT) , Madhavi Latha D , Sandeep Reddy A	International Journal of Engineering Trends and Technology (IJETT)	2019	https://www.ijettjournal.org/archive/ijett-v67i7p202	N	2019-20
42	Progressive Collapse Analysis of a Multistorey RCC building using Pushover Analysis	R Swamiranga Reddy(CED,CBIT)	International Journal of Recent Technology and Engineering	2019	https://www.ijert.org/research/progressive-collapse-analysis-of-a-multistorey-rcc-building-using-pushover-analysis-IJERTV5IS031275.pdf	N	2019-20

43	Transforming Lead-Free Fuel: Filter less Filtration Process by using Ultrasonic Waves	R. Srivel, Ramanarayan Sankriti, P.Nandha Kumar	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	https://www.ijtee.org/wp-content/uploads/papers/v8i11S2/K105109811S219.pdf	N	2019-20
44	Smart Automation Technique to Collect Dry and Wet Waste using IOT Module: to Achieve our 'SBM' Mission	C.Jenifa Latha, Ramanarayan Sankriti (CED,CBIT), M.Chandra sekhar	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	https://www.ijtee.org/wp-content/uploads/papers/v8i11S2/K104909811S219.pdf	N	2019-20
45	The Effect of Physical Factors on Crowd Walking Behavior at Religious Gatherings	Poojari Yugendar (CED, CBIT) and K.V.R. Ravishankar	Quality Quantity, International Journal Methodology	2019	https://www.springerprofessional.de/en/the-effect-of-physical-factors-on-crowd-walking-behavior-at-reli/16873124	Scopus	2019-20
46	Prediction of Recycled Concrete Aggregate Self Compacting Concrete Compressive Strength using Mathematical model	Srinivas Vasam, K Jagannadha Rao, MV Seshagiri Rao	International Journal of Structural Engineering and Analysis	2019	https://civil.journalspub.info/index.php?journal=JSEA&page=article&op=view&path%5B%5D=574	N	2019-20
47	Influence of Temperature on Tensile Properties and Fracture Behavior of High Strength Stainless Steel	Koteswara Rao K (CED,CBIT), and Dheeraj K	International Research Journal of Engineering and Technology (IRJET)	2019	https://www.irjet.net/archives/V6/i5/IRJET-V6I5563.pdf	N	2018-19
48	An Experimental Study on Partial Replacement of Cement by Various Percentages of Phosphogypsum in Cement Concrete	R.Swami Ranga Reddy (CED,CBIT)	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	https://www.ijtee.org/wp-content/uploads/papers/v8i6s3/F11390486S319.pdf	N	2018-19
49	A Study on strength properties of fly-ash based geopolymers concrete using GGBS	Dr. M.V. Rama Raju, E. Maheshwar Reddy (CED,CBIT) and K. Nikhil	Global Journal of Engineering Science and Researches	2019	https://zenodo.org/record/3275813#.Yj6np1VBzIU	N	2018-19
50	A Study on Mechanical Properties of Recycled Aggregate Concrete by Partial Replacement of Fine aggregate with Pond ash & Stone dust	P Hartish Kumar and T Vasudeva Rao (CED,CBIT)	Journal of Applied Science and Computations	2019	http://j-asc.com/gallery/453-april-2019.pdf	N	2018-19

51	Rooftop Rainwater Harvesting - A casestudy	R Ranga Reddy (CED,CBIT)	Pramana Research Journal	2019	https://www.pramanaresearch.org/gallery/prj-p541.pdf	N	2018-19
52	Performance of Fly ash based Geopolymer Concrete under Ambient and Oven Curing Conditions	Dr MV Krishna Rao (CED,CBIT), P Rathish Kumar and T S Sekhar	Indian Concrete Journal	2019	https://www.icjonline.com/search/Performance%20of%20fly%20ash%20based%20geopolymer%20concrete%20under%20ambient%20and%20oven%20curing%20conditions	Scopus	2018-19
53	Experimental Studies on Blended Pozzolanic Concretes with recycles aggregate in Acidic Environment	Damera, H., Murthy, N.R.D., Rao, N.V.R.	Indian Concrete Journal	2019	https://www.icjonline.com/search/Experimental%20studies%20on%20blended%20pozzolonic%20concretes%20with%20recycled%20aggregate%20in%20acidic%20environment	Scopus	2018-19
54	Investigation of Arching Effect in Geosynthetic-Reinforced Piled Embankments	Riya Roy (CED,CBIT) and Anjana Bhasi	Iranian Journal of Science and Technology: Transactions in Civil Engineering	2018	https://link.springer.com/article/10.1007/s40996-018-0162-8	WoS	2018-19
55	Development of self-curing concrete using polyethylene glycol as internal curing agent	Jagannadha Kumar, M.V., Jagannadha Rao, K., Dean Kumar, B., Srinivasa Reddy, V	International Journal of Civil Engineering and Technology	2018	https://www.scopus.com/record/display.uri?eid=2-s2.0-85052395307&origin=resultslist&sort=plf-f&featureToggles=FEATURE_NEW_DOC_DETAILS_EXPORT:1,FEATURE_EXPORT_REDESIGN:0	Scopus	2018-19
56	Experimental investigation on Utilization of RCA in Low, Medium and High Strength Self Compacting Concrete	Srinivas Vasam, K Jagannadha Rao, MV Seshagiri Rao	IOP Conference Series (Institute of Physics Publishing)	2018	https://iopscience.iop.org/article/10.1088/1757-899X/431/10/102001	Scopus	2018-19
57	Bond Strength of HYSD Bars and SCC with and without Recycled Aggregate-An Experimental Study	Jaganadharao, K., Vasam, S., Seshagirirao, M.V.	IOP Conference Series (Institute of Physics Publishing)	2018	https://iopscience.iop.org/article/10.1088/1757-899X/431/10/102007	Scopus	2018-19
58	Optimal Contractor Selection in Construction Industry: The Fuzzy Way	Dr MV Krishna Rao (CED,CBIT), VSS Kumar and P Rathish Kumar	Journal of Institution of Engineers India Series A	2018	https://link.springer.com/article/10.1007/s40030-018-0271-1	Scopus	2017-18

59	Acid resistance of quaternary blended recycled aggregate concrete	K Jagannadha Rao, K Keerthi, Srinivas Vasam	Case studies in construction materials	2018	https://www.sciencedirect.com/science/article/pii/S2214509517302644	Scopus	2017-18
60	A Study on Fresh and Hardened State Properties of High Strength Recycled Aggregate Concrete with Synthetic Fibres	Dr. K. Jagannadha Rao	International Journal of Latest Trends in Engineering and Technology	2018	https://www.ijltet.org/journal/151736917527.%202063.pdf	N	2017-18
61	Study of Various Column Geometries Influence on Structural Design	Dr. M. Koti Reddy	International Journal of Emerging Technology and Advanced Engineering	2017	https://ijetae.com/files/IC-ISE-2017/IC-ISE-2017_30.pdf	N	2017-18
62	Studies on SCC using Processed and Unprocessed Recycled Aggregate	Dr. N. R. Dakshina Murthy	ICI Journal	2017	https://www.researchgate.net/profile/Nune-Srikanth/publication/334459117_INDIAN_CONCRETE_INSTITUTE_JOURNAL/links/5d2c426c299bf1547cb7e00b/INDIAN-CONCRETE-INSTITUTE-JOURNAL.pdf	N	2017-18
63	Seismic performance of a retrofitted building using various numerical models – A comparative study	Anil Kummitha and Sreenivas Sarma Paraitham	International journal of emerging technology and advanced engineering	2017	https://ijetae.com/files/Volume8SpecialIssue5/IJETAE_ACACEOU_2018_17.pdf	N	2017-18
64	Influence of modeling on the effectiveness of Column jacketing in the seismic performance of a RC framed building – A comparative study using three alternative materials	Kolli Pavan and Sreenivas Sarma Paraitham	International journal of emerging technology and advanced engineering	2017	https://ijetae.com/files/Volume8SpecialIssue5/IJETAE_ACACEOU_2018_18.pdf	N	2017-18
65	Effect of Different Curing Methods on the Strength of Recycled Aggregate Self Compacting Concrete (RASCC)	Dr. K. Jagannadha Rao	International Journal of Emerging Technology and Advanced Engineering	2017	https://ijetae.com/files/IC-ISE-2017/IC-ISE-2017_78.pdf	N	2017-18