

Chaitanya Bharathi Institute of Technology (A), Gandipet, Hyderabad

Department of Civil Engineering

Publication Details

Sl. No.	Title of paper	Name of the author/s	Name of journal	Year of publication	ISSN number	Link to website of the Journal	Link to article/paper/abstract of the article	Scopus/ Web of Science/ Others	Academic Year	Volume	Issue	Page No.	DOI
1	Sustainable Development of Slag Cement Concrete: A Parametric Study on Cinder Aggregate Using Response Surface Methodology	Chaitanya Srikrishna, T., Noolu, V., Sudheer Kumar Reddy, B., & Chepuri, A	International Journal of Coal Preparation and Utilization	2025	1939-2699	https://www.tandfonline.com/journals/gcop20	https://www.tandfonline.com/doi/full/10.1080/19392699.2025.2601637	SCI	2025-26			1-22	https://doi.org/10.1080/19392699.2025.2601637
2	Experimental Study on Acid Resistance of Geopolymer Concrete Incorporating Fly Ash and GGBS: Towards Low-Carbon and Sustainable Construction	Kiran Kumar Poloju, Zainab Al Ajmi, Shalini Annadurai, Adil Nadeem Hussain and Mallikarjuna Rao	Buildings	2025	2075-5309	https://www.mdpi.com/journal/buildings	https://www.mdpi.com/2075-5309/15/21/4012	SCI	2025-26	15	21	4012	https://doi.org/10.3390/buildings15214012
3	Multi-Objective Optimization of Alkali-Activated Concrete Using Fly Ash and GGBFS through Desirability Function Analysis	M. V. S. S. Sastri , K. Rajani Kumar , K. Jagannadha Rao , S. Vijaya Kumar	Civil Engineering and Architecture	2025	2332-1121	https://www.hrpub.org/journals/journalinfo.php?id=48	https://www.hrpub.org/journals/article_info.php?aid=15464	Scopus	2025-26	13	6	4220 - 4232	10.13189/cea.2025.130610
4	Impact of ultrafine fly ash on mechanical properties of recycled concrete aggregate: A factorial design study	Sastri M.V.S.S, S. Vijaya Kumar, N.R. Dakshina Murthy	Research on Engineering Structures and Materials	2025	2149-4088	https://jresm.org/	https://jresm.org/article/resm2025-851me0427rs/#:~:text=The%20blending%20of%207.5%25%20UFFA,developing%20environmentally%20responsibly%20structural%20concrete.	Scopus	2025-26	11	1	-	http://dx.doi.org/10.17515/resm2025-851me0427rs

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5	A holistic methodology for evaluating flood vulnerability, generating flood risk map and conducting detailed flood inundation assessment	Kamalini Devi, Chundi Chenna Reddy, Kandakatla Rahul, Jnana Ranjan Khuntia & Bhabani Shankar Das	Scientific Reports	2025	2045-2322	https://www.nature.com/srep/	https://www.nature.com/articles/s41598-025-13025-z	SCI	2025-26	15	1	28253	https://doi.org/10.1038/s41598-025-13025-z
6	An experimental investigation and dimensional analysis for zonal flow prediction in compound open channels	Kamalini Devi, Jnana Ranjan Khuntia, Bhabani Shankar Das & Kishanjit Kumar Khatua	ISH Journal of Hydraulic Engineering	2025	0971-5010	https://www.tandfonline.com/journals/tish20	https://www.tandfonline.com/doi/full/10.1080/09715010.2025.2536810	Scopus	2025-26	31	5	1-21	https://doi.org/10.1080/09715010.2025.2536810
7	Geotechnical Forensics of Khandeswarwadi Dam: Investigating Partial Subsidence Mechanisms Through Field Studies and Laboratory Model Simulations	Abhinav Mane, Teja Munaga, Abhijit Mhetre, Dileep Tawar, Srikanth Kakara, Yeswanth Paluri, Guru Prathap Reddy Vaddemani	Indian Geotech Journal	2025	2277-3347	https://link.springer.com/journal/40098	https://link.springer.com/article/10.1007/s40098-025-01323-2	SCOPUS	2025-26	55	3	1-16	https://doi.org/10.1007/s40098-025-01323-2
8	Performance assessment of concrete incorporating waste rubber powder as partial cement replacement	Thatikonda Naresh, N. R. Dakshina Murthy, Mainak Mallik & Vishal Singh	Journal of Building Pathology and Rehabilitation	2025	2365-3167	https://link.springer.com/journal/41024	https://link.springer.com/article/10.1007/s41024-025-00646-0	Scopus	2024-25	10	-	-	https://doi.org/10.1007/s41024-025-00646-0
9	Application of cement slurry in developing self compacting geopolymer concrete	Malleswari Devi T, Gunneswara Rao T.D	Construction and Building Materials	2025	0950-0618	https://www.sciencedirect.com/journal/construction-and-building-materials	https://www.sciencedirect.com/science/article/pii/S0950061825016502	SCI	2024-25	481	-	141502	https://doi.org/10.1016/j.conbuildmat.2025.141502

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10	Application of Evolutionary Algorithm Technique to Minimize Torsion for Plan and Vertical Asymmetrical RC Buildings	Mohd Abdul Hafeez, M.Anjaneya Prasad, N. R.Dakshina Murthy	Journal of Information Systems Engineering and Management	2025	2468-4376	https://iisem-journal.com/index.php/journal/index	https://iisem-journal.com/index.php/journal/article/view/4443	Scopus	2024-25	10	-	537-553	https://doi.org/10.52783/iisem.v10i27s.4443
11	Influence of Recycled Aggregates on Mechanical and Permeability Properties of Pervious Concrete	Dhanavath Siva, R Srinivas Kumar, N R Dakshinamurthy	INDIAN JOURNAL OF SCIENCE AND TECHNOLOGY	2025	0974-5645	https://indjst.org/	https://indjst.org/articles/influence-of-recycled-aggregates-on-mechanical-and-permeability-properties-of-pervious-concrete	N	2024-25	18	7	559-570	10.17485/IJST/v18i7.3953
12	Investigations on mechanical and stress strain characteristics of geopolymers reinforced with glass fibers	Thunuguntla Chaitanya Srikrishna, Venkatesh Noolu, B. Sudheer Kumar Reddy, George Uwadiogwu Alaneme, Ravella Durga Prasad & M. VishnuPriyan	Scientific Reports	2025	2045-2322	https://www.nature.com/srep/	https://www.nature.com/articles/s41598-025-90752-3	SCI	2024-25	15	-	6335	https://doi.org/10.1038/s41598-025-90752-3
13	Study on bending characteristics of CNT reinforced metal Timoshenko composite porous beam exposed to traverse patch loading	Vishal Singh, Mohd. Aftab Ismail, S.N. Krishnan, Savio Francis, Rajesh Kumar	Journal of Mechanical Engineering Science	2025		https://journals.sagepub.com/home/pie		SCI	2024-25	13			https://doi.org/10.1177/09544062251325160
14	Experimental evaluation of eco-friendly asphalt mixtures with recycled fine aggregates and steel slag	Sridhar Bhupathi, Ramesh Adepu, Sastri M.V.S.S, Vinayaka Ram Vijayapuri, Dakshina Murthy N.R	Innovative Infrastructure Solutions	2025	2364-4184	https://link.springer.com/journal/41062	https://link.springer.com/article/10.1007/s41062-024-01834-6	Scopus	2024-25	10			https://doi.org/10.1007/s41062-024-01834-6
15	Transforming electronic waste into sustainable building materials for a cleaner environment: a review	Vishnu Priyan, M., Ravella, D.P. & Alaneme, G.U.	Discov Mater	2024	2730-7727	https://link.springer.com/article/10.1007/s43939-024-00174-7	https://link.springer.com/journal/43939	Scopus	2024-25	4			https://doi.org/10.1007/s43939-024-00174-7

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16	An Experimental Investigation on Nano-Enhanced Tertiary Blended Concrete Incorporating Industrial Wastes	Kiran Kumar Poloju, Shalini Annadurai, Mallikarjuna Rao, Prabu Baskar, K. S. Elango	J. Environ. Nanotechnol.	2024	2279-0748	https://nanoient.org/journals/index.php/jent/index	https://nanoient.org/journals/index.php/jent/article/view/1319	Scopus	2024-25	13	3	288-296	https://doi.org/10.13074/jent.2024.09.243789
17	STUDY OF EFFECTIVE LOCATION OF SHEAR WALL IN MULTISTOREYED BUILDINGS FOR OPTIMUM SEISMIC RESPONSE	Ravi Kumar Reddy C., Durga Prasad Ravella, P. Srinivas Reddy, and S. Mitun Kumar	ARPJ Journal of Engineering and Applied Sciences	2024	ISSN 1819-6608	https://www.arpnjournals.com/jeas/	https://www.arpnjournals.com/jeas/jeas_0624_9464.htm	Scopus	2024-25	19	2	740-746	https://doi.org/10.59018/062496
18	Dynamic Analysis of Beams with Interval Parameters	Mallela, V.R.R.; Kodukula, J.R	Modelling	2024	2673-3951	https://www.mdpi.com/journal/modelling	https://doi.org/10.3390/modelling5030060	Scopus/WOS	2024-25	5	3	1158-72	https://doi.org/10.3390/modelling5030060
19	Selection of Building Materials Using Fuzzy Analytical Hierarchy Process	L.Sudheer Reddy , N.R.D.Murthy, M.Srikanth, S.Sunil Pratap Reddy and D.Mani Keerthana	The Open Civil Engineering Journal	2024	1874-1495	https://opencivilengineeringjournal.com/	https://opencivilengineeringjournal.com/VOLUME/18/ELOCATOR/e18741495311020/FULLTEXT/	Scopus	2024-25	18	1	-	DOI: 10.2174/011874149531102040708045927
20	Modeling of scour hole characteristics under turbulent wall jets using machine learning	Jnana Ranjan Khuntia, Kamalini Devi & MohdAamir Mumtaz	Scientific Reports	2024	2045-2322	https://www.nature.com/articles/s41598-024-66291-8#:~:text=In%20the%20present%20study%2C%20four,caused%20by%20turbulent%20wall%20jets.	https://www.nature.com/articles/s41598-024-66291-8#:~:text=In%20the%20present%20study%2C%20four,caused%20by%20turbulent%20wall%20jets.	WoS	2024-25	14	1	15567	https://doi.org/10.1038/s41598-024-66291-8
21	Synergistic effects of graphene oxide and limestone calcined clay cement on mechanical properties and durability of concrete	Chava Venkatesh, V.Mallikarjuna, G.Mallikarjuna Rao, Santosh Kalyanrao Patil, B.Naga kiran, M.K.Yashwanth, C.Venkata Siva Rama Prasad, G.Sree Lakshmi Devi	Journal of Building Pathology and Rehabilitation	2024	2365-3167	https://link.springer.com/journal/41024	https://link.springer.com/article/10.1007/s41024-024-00470-y#:~:text=The%20synergistic%20effect%20of%20combining,corresponding%20LC3%20mixes%20without%20GO.	Scopus	2023-24	9	2	1-14.	https://doi.org/10.1007/s41024-024-00470-y

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22	Advancements in predicting scour depth induced by turbulent wall jets: A comparative analysis of mathematical formulations and machine learning models	Kamalini Devi, Jnana Ranjan Khuntia, Mohd Aamir Mumtaz, Mohamed H. Elgamal, and Bhabani Shankar Das	AIP Advances	2024	2158-3226	https://pubs.aip.org/aip/adv	https://pubs.aip.org/aip/adv/article/14/5/055008/3289104/Advancements-in-predicting-scour-depth-induced-by	WoS	2023-24	14	5	055008-1 to 055008-14	https://doi.org/10.1063/5.0203444
23	A comparative assessment of biomethane potential of fresh fecal matter and fecal sludge and its correlation with malodor	Atun Roy Choudhury, Neha Singh, Jitesh Lalwani, Mallikarjuna Goriparthi Rao, Bhanu Prakash Konyala, Chiradeep Nadella, Abhishek Nayakwadi, Sankar Ganesh Palani	Environmental Science and Pollution Research	2024	1614-7499	https://link.springer.com/journal/11356	https://link.springer.com/article/10.1007/s11356-024-33289-8	SCI	2023-24	31	21	01-13.	https://doi.org/10.1007/s11356-024-33289-8
24	Experimental Study on Hardened State Properties of Self-Curing Concrete	K. Vishnu, K. Jagannatha Rao, V. Bhikshma	International Journal for Multidisciplinary Research	2023	2582-2160	https://www.ijfmr.com/	https://pdfs.semanticscholar.org/48f6/0f5afb821e576d0f3b75235d15c1d00d6e39.pdf	N	2023-24	5	5	1-17	https://pdfs.semanticscholar.org/48f6/0f5afb821e576d0f3b75235d15c1d00d6e39.pdf
25	Investigation on Mechanical properties of self-curing concrete containing GGBS	Kampilla.Vishnu, K.Jagannatha Rao, V.Bhikshma	INTERNATIONAL JOURNAL OF RESEARCH AND ANALYTICAL REVIEWS	2023	2348-1269	https://www.ijrar.org/	https://www.ijrar.org/papers/IJRAR23D2664.pdf	N	2023-24	10	4	506-515	https://www.ijrar.org/papers/IJRAR23D2664.pdf
26	Prediction of Strength and Fresh Properties of Steel Fiber Reinforced Self Compacting Concrete Using Artificial Intelligence Approach	G. Mallikarjuna Rao, Mandha Sandhya, B. Raja Rajeshwari, Manikanta Vangari and E.R. Aruna	Nano World Journal	2023	2379-1101	https://jnanoworld.com/	https://jnanoworld.com/2023/12/06/prediction-of-strength-and-fresh-properties-of-steel-fiber-reinforced-self-compacting-concrete-using-artificial-intelligence-approach/	Scopus	2023-24	9	S4	S470-S476	https://doi.org/10.17756/nwj.2023-s4-079

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27	Experimental and analytical investigation of a model towards predicting the compressive stress–strain behavior of Graded Glass Fiber Reinforced Concrete (GGFRC) using fiber reinforcing index	Hanuma Kasagani, S. R. R. Teja Prathipati, Srikanth Koniki, C. B. K. Rao	Structural Concrete	2024	1751-7648	https://onlinelibrary.wiley.com/journal/17517648	https://onlinelibrary.wiley.com/doi/abs/10.1002/suco.202300055	SCI	2023-24	25	1	-	https://doi.org/10.1002/suco.202300055
28	Exploring the association between air pollution and spontaneous abortion through systematic review and bibliometric analysis	Priyadharshini Babu, Vaishali Verma, Swapna Sarika Khadanga, Shailendra Kumar Yadav, Dudam Bharath Kumar, Ayushi Gupta	Air Quality, Atmosphere & Health	2023	1873-9326	https://link.springer.com/journal/11869	https://link.springer.com/article/10.1007/s11869-023-01491-1	SCI	2023-24	16	12	1-27	https://doi.org/10.1007/s11869-023-01491-1
29	A study on waste PCB fbres reinforced concrete with and without silica fume made from electronic waste	M.Vishnu Priyan, R.Annadurai, George UwadiogwuAlaneme, Durga Prasad Ravella, S. Pradeepkumar & Bamidele Charles Olaiya	Scientific Reports	2023	2045-2322	https://www.nature.com/srep/	https://www.nature.com/articles/s41598-023-50312-z	WoS	2023-24	13	1	22755	https://doi.org/10.1038/s41598-023-50312-z
30	Discharge estimation in a compound channel with converging and diverging floodplains using ANN–PSO and MARS	Divyanshu Shekhar; Bhabani Shankar Das; Kamalini Devi; Jnana Ranjan Khuntia; Tapas Karmaker	Journal of Hydroinformatics	2023	1464-7141	https://iwaponline.com/jh	https://iwaponline.com/jh/article/25/6/2479/98263/Discharge-estimation-in-a-compound-channel-with	SCI	2023-24	25	6	2479–2499	https://doi.org/10.2166/hydro.2023.145
31	Turbulence modelling for depth-averaged velocity and boundary shear stress of a dense rigid grass bed open channel	Sarjati Sahoo, Jnana Ranjan Khuntia, Kamalini Devi, B. Sree Sai Prasad and Kishanjit Kumar Khatua	AQUA - Water Infrastructure, Ecosystems and Society	2023	2709-8028	https://iwaponline.com/aqua/issue/72/9	https://iwaponline.com/aqua/article/72/9/1748/97225/Turbulence-modelling-for-depth-averaged-velocity	SCI	2023-24	72	9	1748–1769	https://doi.org/10.2166/aqua.2023.093

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32	ANFIS- and GEP-based model for prediction of scour depth around bridge pier in clear-water scouring and live-bed scouring conditions	Amandeep Choudhary; Bhabani Shankar Das; Kamalini Devi; Jnana Ranjan Khuntia	Journal of Hydroinformatics	2023	1464-7141	https://iwaponline.com/jh	https://iwaponline.com/jh/article/25/3/1004/94944/ANFIS-and-GEP-based-model-for-prediction-of-scour	SCI	2022-23	25	3	1004-1028	https://doi.org/10.2166/hydro.2023.212
33	Evaluation of Flow Resistance using Multi-Gene Genetic Programming for Bed-load Transport in Gravel-bed Channels	Satish Kumar, Arpan Pradhan, Jnana Ranjan Khuntia, Kishanjit Kumar Khatua	Water Resources Management	2023	1573-1650	https://www.springer.com/journal/11269	https://link.springer.com/article/10.1007/s11269-022-03409-5	SCI	2022-23	37	8	2945-2967	https://doi.org/10.1007/s11269-022-03409-5
34	Rehabilitation of Exterior Beam-Column Joint by Geopolymer Mortar under Quasi-Static Loading	Arshad Hussain Choudhury, Aminul Islam Laskar	ACI Structural Journal	2023	8893-241	https://www.concrete.org/publications/acistructuraljournal.aspx	https://www.concrete.org/publications/internationalconcreteabstractsportal.aspx?m=details&i=51738835	SCI	2022-23	120	5	49-62	DOI:10.14359/51738835
35	Effect of air pollution on building materials	Swati Sharma a, N.R. Dakshina Murthy b, Chinthala Sumanth	Materials Today: Proceedings, Elsevier	2023	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/abs/pii/S2214785323025646	Scopus	2022-23			Articles in press	https://doi.org/10.1016/j.matpr.2023.04.631
36	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	0019-4565	https://www.icjonline.com/	https://icjonline.com/editionabstract_detail/022023	Scopus	2022-23	97	2	05-12.	https://icjonline.com/editionabstract_detail/022023
37	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	1000-4548	http://ytgxcb.periodicals.com/index.php/CJGE/index	http://ytgxcb.periodicals.com/index.php/CJGE/article/view/186	Scopus	2022-23	44	9	16-27.	http://ytgxcb.periodicals.com/index.php/CJGE/article/view/186
38	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	1084-0699	https://ascelibrary.org/journal/jhyeff	https://ascelibrary.org/doi/10.1061/%28ASCE%29HE.1943-5584.0002225	WoS	2022-23	28	2	07022012 - 1 to 4	https://ascelibrary.org/doi/10.1061/%28ASCE%29HE.1943-5584.0002225

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39	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	2073-4441	https://www.mdpi.com/journal/water	https://www.mdpi.com/2073-4441/14/14/2223	WoS	2022-23	14	14	2223- 1 to 19	https://www.mdpi.com/2073-4441/14/14/2223
40	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	2278-0181	https://www.ijert.org/	https://www.ijert.org/performance-of-ordinary-grade-bacterial-concrete-with-fly-ash-as-partial-replacement-for-cement	N	2021-22	11	2	464-470	10.17577/IJERTV11IS020175
41	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	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S2214785321067833	Scopus	2021-22	52	1	873-881	https://doi.org/10.1016/j.matpr.2021.10.275
42	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	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S2214785321080792	Scopus	2021-22	62	1	1785-1789	https://doi.org/10.1016/j.matpr.2021.12.351
43	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	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S2214785321070437	Scopus	2021-22	52	1	1201-1210	https://doi.org/10.1016/j.matpr.2021.11.037
44	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	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S2214785321070279	Scopus	2021-22	52	1	1168-1174	https://doi.org/10.1016/j.matpr.2021.11.021
45	Optimization of location of outrigger system in tall buildings of different aspect ratios	Gunda, P., Anthugari Vimala G Pradeep	Materials Today: Proceedings, Elsevier	2022	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S2214785321065159	Scopus	2021-22	52	1	588-598	https://doi.org/10.1016/j.matpr.2021.10.034

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46	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	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S2214785321065305	Scopus	2021-22	52	1	622-631	https://doi.org/10.1016/j.matpr.2021.10.049
47	Mode Shape Modification of Irregular Buildings	Balaji Rao, A., P Srinivas Reddy, Meghana Shaly, C.	Materials Today: Proceedings, Elsevier	2022	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S2214785321081153	Scopus	2021-22	62	1	1790-1795	https://doi.org/10.1016/j.matpr.2021.12.374
48	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	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S2214785321076239	Scopus	2021-22	52	1	1959-1967	https://doi.org/10.1016/j.matpr.2021.11.600
49	Experimental study on mechanical and durability properties of recycled aggregate based geopolymer concrete	R Swamiranga Reddy, B. Anand Sagar	Materials Today: Proceedings, Elsevier	2022	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S2214785321065342	Scopus	2021-22	52	1	649-654	https://doi.org/10.1016/j.matpr.2021.10.053
50	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	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S2214785321080792	Scopus	2021-22	62	1	1785-1789	https://doi.org/10.1016/j.matpr.2021.12.351
51	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	ISSN:1532-0634	https://onlinelibrary.wiley.com/journal/15320634	https://onlinelibrary.wiley.com/doi/abs/10.1002/cpe.6941	N	2021-22	34	17	e6941	https://doi.org/10.1002/cpe.6941
52	Correlation of strength development of RCA in quaternary blended cementitious system	MVSS Sastri, K Jagannadha Rao, V Bhikshma	Advances in materials Research	2021	2234-0912	http://www.techonpress.org/?journal=amr&subpage=5	https://koreascience.kr/article/JAKO202124458125072.view?orgId=anpor&hide=breadcrumb,journalinfo	Scopus	2021-22	10	3	211-227	https://doi.org/10.12989/amr.2021.10.3.211

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53	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	ISSN: 0975-6809	https://www.springer.com/journal/13198	https://link.springer.com/article/10.1007/s13198-021-01454-8#citeas	Scopus	2021-22	13	6	1-7	https://doi.org/10.1007/s13198-021-01454-8
54	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	e-ISSN: 2148-9637	https://www.nveo.org/index.php/journal	https://www.nveo.org/index.php/journal/article/view/1233	Scopus	2021-22	8	4	5698 -5711	-
55	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	ISSN: 1013-9826	https://www.scientific.net/KEM	https://www.scientific.net/KEM.882.247	Scopus	2020-21	882	1	247-253	https://doi.org/10.4028/www.scientific.net/KEM.882.247
56	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	ISSN: 0970-0137	https://ores.su/en/journals/journal-of-structural-engineering-madras/	https://ores.su/en/journals/journal-of-structural-engineering-madras/	Scopus	2020-21	47	4	273-283	-
57	Modelling Pedestrian Crossing Behaviour at a Midblock Section	Yugendar Poojari, E Prashanth, D Divya, M Kalyani	Slovak Journal of Civil Engineering	2021	eISSN 1338-3973	https://sciendo.com/it/journal/SJCE	https://www.proquest.com/openview/c22a71ecb5165f35f4d628d09b79c011/1?pq-origsite=gscholar&cbl=2026652	WoS	2020-21	29	3	15-21	DOI: 10.2478/sjce-2021-0017
58	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	e-ISSN 1309-4653	https://www.turcomat.org/index.php/turkbilmat	https://turcomat.org/index.php/turkbilmat/article/view/6365	Scopus	2020-21	12	11	3229-3237	https://doi.org/10.17762/turcomat.v12i11.6365

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59	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	ISSN: 1757-8981	https://iopscience.iop.org/journal/1757-899X	https://iopscience.iop.org/article/10.1088/1757-899X/1197/1/012051/pdf	Scopus	2020-21	1197	1	12051	10.1088/1757-899X/1197/1/012051
60	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	ISSN: 1025-2495	https://www.ije.ir/	https://www.ije.ir/article_108498.html	Scopus	2020-21	3	8	1465-1471	https://dx.doi.org/10.5829/ije.2020.33.08b.04
61	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	E-ISSN: 2348 - 8352	https://www.internationaljournalssrg.org/IJCE/index.html	http://www.internationaljournalssrg.org/IJCE/paper-details?Id=430	N	2020-21	7	7	123-127	https://doi:10.14445/23488352/IJCE-V7I7P115
62	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	1013-9826	https://www.scientific.net/KEM	https://www.scientific.net/KEM.882.247	Scopus	2020-21	882	1	247-253	https://doi.org/10.4028/www.scientific.net/KEM.882.247
63	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	ISSN: 0019-4565	https://www.icjonline.com/	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	94	4	40-55	-
64	Mix design for fly ash based geo-polymer concrete	R Swamiranga Reddy (CED,CBIT)	Journal of Engineering Sciences	2020	ISSN: 0377-9254	https://www.jespublication.com/	https://jespublication.com/upload/2020-200676.pdf	N	2019-20	11	6	489-504	-
65	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	ISSN 2217-5652	http://ijtte.com/	http://ijtte.com/uploads/2020-04-22/b2dddef4-9b9d-64c8ijtte.2020.10(2).08.pdf	N	2019-20	10	2	229-235	DOI: http://dx.doi.org/10.7708/ijtte.2020.10(2).08

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66	A study on fly ash cement mortar as brick masonry	Dr. D. R. Seshu and Dr. N. R. Dakshina Murthy (CED,CBIT)	Cement Wapno Beton	2020	ISSN:1425-8129	http://cementwapnobeton.pl/wp-2019/	http://cementwapnobeton.pl/wp-2019/blog/2020/04/20-01-05/	WoS	2019-20	25	-	45-51	doi: https://doi.org/10.32047/CWB.2020.25.1.5
67	IOT Based Water Purification Process using Ultrasonic Aquatic Sound Waves	C.Jenifa Latha, Ramanarayan Sankriti (CED,CBIT) , Arokiaraj David and R. Srivel	Test Engineering & Management	2020	ISSN: 0193-4120	http://www.testmagzine.biz/index.php/testmagzine	https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3557318	Scopus	2019-20	82	1	11115-11122	-
68	IOT Based Smoke Test and Vehicle Pollution Control Monitoring Using Nano Sensors	Ramanarayan Sankriti (CED,CBIT), Esaiyarasi G, R Chandrasekharan and R. Srivel	Test Engineering & Management	2020	ISSN: 0193-4120	http://www.testmagzine.biz/index.php/testmagzine	http://testmagzine.biz/index.php/testmagzine/article/view/6113	Scopus	2019-20	83	1	13701-13706	-
69	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	ISSN 0038-111X (online)	http://solidstatetechhnology.us/index.php/JSST	http://solidstatetechhnology.us/index.php/JSST/article/view/1669	N	2019-20	63	2s	781-808	-
70	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	ISSN 0038-111X (online)	http://solidstatetechhnology.us/index.php/JSST	http://solidstatetechhnology.us/index.php/JSST/article/view/2056	N	2019-20	63	2s	3026-3037	-
71	Strength behavior analysis of fiber reinforced fly ash concrete	Dr.P.Yugendar (CED, CBIT) and Dr. K Vishnu	Materials Today: Proceedings, Elsevier	2020	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S2214785320375878	Scopus	2019-20	43	2	1659-1665	https://doi.org/10.1016/j.matpr.2020.10.027
72	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	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S2214785320319544	Scopus	2019-20	27	2	1522-1529	https://doi.org/10.1016/j.matpr.2020.03.174

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73	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	2347-2235	https://imanagerpublications.com/journals/fulldetails/22/journalonMaterialScience	https://imanagerpublications.com/article/16588/	N	2019-20	7	3	53-62	DOI:10.26634/jms.7.3.16588
74	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	ISSN 2277-3878	https://www.ijrte.org/	https://www.ijrte.org/wp-content/uploads/papers/v8i3/C5217098319.pdf	Scopus	2019-20	8	3	6525-6534	DOI:10.35940/ijrte.C5217.098319
75	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	ISSN: 2231-5381	https://ijettjournal.org/	https://www.ijettjournal.org/archive/ijett-v67i7p202	N	2019-20	67	7	5-10	DOI:10.14445/22315381/IJET-T-V67I7P202
76	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	ISSN: 2278-3075	https://www.ijitee.org/	https://www.ijitee.org/wp-content/uploads/papers/v8i11S2/K105109811S219.pdf	N	2019-20	8	11S2	319-324	http://dx.doi.org/10.35940/ijitee.K1051.09811S219
77	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	ISSN: 2278-3075	https://www.ijitee.org/	https://www.ijitee.org/wp-content/uploads/papers/v8i11S2/K104909811S219.pdf	N	2019-20	8	11S2	309-314	DOI: 10.35940/ijitee.K1049.09811S219
78	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	ISSN: 0033-5177	https://www.springerprofessional.de/en/quality-quantity/5696234	https://www.springerprofessional.de/en/the-effect-of-physical-factors-on-crowd-walking-behavior-at-reli/16873124	Scopus	2019-20	53	6	2969-2982	DOI:10.1007/s11135-019-00911-8

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79	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	eISSN : 2456-5326	https://civil.journalpub.info/index.php?journal=JSEA&page=index	https://civil.journalpub.info/index.php?journal=JSEA&page=article&op=view&path%5B%5D=574	N	2019-20	5	2	34-43	https://doi.org/10.37628/jsea.v5i2.574
80	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	ISSN: 2395-0056	https://www.irjet.net/	https://www.irjet.net/archives/V6/i5/IRJET-V6I5563.pdf	N	2018-19	6	5	4758-4764	-
81	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	ISSN: 2278-3075	https://www.ijitee.org/	https://www.ijitee.org/wp-content/uploads/papers/v8i6s3/F11390486S319.pdf	N	2018-19	8	6s3	699-708	-
82	A Study on strength properties of fly-ash based geopolymer concrete using GGBS	Dr. M.V. Rama Raju, E. Maheshwar Reddy (CED,CBIT) and K. Nikhil	Global Journal of Engineering Science and Researches	2019	ISSN 2348 – 8034	http://www.gjesr.com/	https://zenodo.org/record/3275813#.Yj6np1VBzIU	N	2018-19	9	6	251-259	DOI 10.5281/zenodo.3275812.
83	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	ISSN: 1076-5131	http://j-asc.com/	http://j-asc.com/gallery/453-april-2019.pdf	N	2018-19	6	4	3546	-
84	Rooftop Rainwater Harvesting - A casestudy	R Ranga Reddy (CED,CBIT)	Pramana Research Journal	2019	ISSN: 2249-2976	https://www.pramanaresearch.org/	https://www.pramanaresearch.org/gallery/prj-p541.pdf	N	2018-19	9	2	452-460	-

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85	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	ISSN: 0019-4565	https://www.icjonline.com/	https://www.icjonline.com/search/Performance%20of%20fly%20ash%20based%20geopolymer%20concrete%20under%20ambient%20and%20oven%20curing%20conditions	Scopus	2018-19	93	3	21	-
86	Experimental Studies on Blended Pozzolanic Concretes with recycled aggregate in Acidic Environment	Damera, H., Murthy, N.R.D., Rao, N.V.R.	Indian Concrete Journal	2019	ISSN: 0019-4565	https://www.icjonline.com/	https://www.icjonline.com/search/Experimental%20studies%20on%20blended%20puzzolanic%20concretes%20with%20recycled%20aggregate%20in%20acidic%20environment	Scopus	2018-19	93	2	44	-
87	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	ISSN: 2228-6160	https://www.springer.com/journal/40996	https://link.springer.com/article/10.1007/s40996-018-0162-8	WoS	2018-19	43	1	249-262	https://doi.org/10.1007/s40996-018-0162-8
88	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	0976-6308	https://www.scopus.com/sourceid/21100785495	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	9	7	1133-1141	-
89	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	1757-8981	https://iopscience.iop.org/journal/1757-899X	https://iopscience.iop.org/article/10.1088/1757-899X/431/10/102001	Scopus	2018-19	431	10	102001	DOI 10.1088/1757-899X/431/10/102001

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90	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	1757-8981	https://iopscience.iop.org/journal/1757-899X	https://iopscience.iop.org/article/10.1088/1757-899X/431/10/102007	Scopus	2018-19	431	10	102007	DOI 10.1088/1757-899X/431/10/102007
91	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	ISSN: 2250-2149	https://www.springer.com/journal/40030	https://link.springer.com/article/10.1007/s40030-018-0271-1	Scopus	2017-18	99	2	67-78	https://doi.org/10.1007/s40030-018-0271-1
92	Acid resistance of quaternary blended recycled aggregate concrete	K Jagannadha Rao, K Keerthi, Srinivas Vasam	Case studies in construction materials	2018	2214-5095	https://www.sciencedirect.com/journal/case-studies-in-construction-materials	https://www.sciencedirect.com/science/article/pii/S2214509517302644	Scopus	2017-18	8	1	423-433	https://doi.org/10.1016/j.cscm.2018.03.005
93	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	e-ISSN:2278-621X	https://journals.indexcopernicus.com/search/details?id=31525	https://www.ijltet.org/journal/151736917527.%202063.pdf	N	2017-18	9	3	160-166	DOI: http://dx.doi.org/10.21172/1.93.27
94	Study of Various Column Geometries Influence on Structural Design	Dr. M. Koti Reddy	International Journal of Emerging Technology and Advanced Engineering	2017	ISSN 2250-2459	https://ijetae.com/index.html	https://ijetae.com/files/IC-ISE-2017/IC-ISE-2017_30.pdf	N	2017-18	7	2	212-223	-
95	Studies on SCC using Processed and Unprocessed Recycled Aggregate	Dr. N. R. Dakshina Murthy	ICI Journal	2017	ISSN, 0972-2998	https://journals.indexcopernicus.com/	https://www.researchgate.net/profile/Nune-Srikanth/publication/334459117_INDIAN_CONCRETE_INSTITUTE_JOURNAL/links/5d2c426c299bf1547cb7e00b/INDIAN-CONCRETE-INSTITUTE-JOURNAL.pdf	N	2017-18	18	4	01-09.	-

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96	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	ISSN 2250–2459	https://ijetae.com/index.html	https://ijetae.com/files/Volume8SpecialIssue5/IJETAE_ACACEOU_2018_17.pdf	N	2017-18	8	5	123-134	-
97	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	ISSN 2250–2459	https://ijetae.com/index.html	https://ijetae.com/files/Volume8SpecialIssue5/IJETAE_ACACEOU_2018_18.pdf	N	2017-18	8	5	135-147	-
98	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	ISSN 2250–2459	https://www.ijetae.com/	https://ijetae.com/files/IC-ISE-2017/IC-ISE-2017_78.pdf	N	2017-18	7	2	512-518	-