

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A), HYDERABAD

## Department of Civil Engineering

### Details of Books, Book Chapters & Conferences

Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Year of publication	ISBN/ISSN number of the proceeding	Name of the publisher	Academic Year	Volume	Issue	Page No.	DOI
1	Ramnarayan Sankriti, N R Dakshina Murthy	LNCE Vol. 719	Extracting aquaculture ponds from natural water surfaces around inland lakes through GEE datasets: A case study of river Krishna delta	International conference on advances in materials, modelloing and analysisfor sustainable and resilient infrastructure	2025		Springer	2025-26	719		171-180	<a href="https://doi.org/10.1007/978-981-95-0229-5_14">https://doi.org/10.1007/978-981-95-0229-5_14</a>
2	Kakara Srikanth		Numerical Comparison of Flexible Pavement Dynamic Response Using VG-30 and Crumb Rubber Modified Binders under Different Axle Configurations	Transportion research efforts for ecological sustainability (TREES 2025)	2025			2025-26				
3	Raghava A. Bhamidipati		Engineering evaluation of red soil and Zinc tailings mixtures for sustainable infrastructure	Transportion research efforts for ecological sustainability (TREES 2025)	2025			2025-26				
4	Angshuman Das	Proceedings of Indian Geotechnical Conference (2024)	Review on the Strength Deformation Behavior of Granular Soil Mixed with Waste Tire Rubber	Proceedings of Indian Geotechnical Conference (2024)	2025	978-981-96-7862-4	Springer	2025-26	2		435-447	<a href="https://doi.org/10.1007/978-981-96-7862-4_34">https://doi.org/10.1007/978-981-96-7862-4_34</a>
5	Raghava A. Bhamidipati	Proceedings of Indian Geotechnical Conference (2024)	Impact of Iron Ore Tailings on the Geotechnical Properties of Hyderabad Soils	Proceedings of Indian Geotechnical Conference (2024)	2025	978-981-96-7779-5	Springer	2025-26	6		441-551	<a href="https://doi.org/10.1007/978-981-96-7779-5_34">https://doi.org/10.1007/978-981-96-7779-5_34</a>
6	Raghava A. Bhamidipati	Geo-environmental engineering and unstaturated soil mechanics	Efficacy of Iron Ore Tailings and Blast Furnace Slag for Improving the Strength of Laterite Soil	Proceedings of Indian geotechnical conference (IGC) 2023	2025	978-981-96-8484-7	Springer	2025-26			383-395	<a href="https://doi.org/10.1007/978-981-96-8484-7_32">doi.org/10.1007/978-981-96-8484-7_32</a>
7	Kamalini Devi	Springer proceedings in Materials, Vol 29	Strength properties of carbon negative ferro rock concrete	Proceedings of 3rd International conference on ACSGE	2025	978-981-96-0746-4	Springer	2025-26	29		347-364	<a href="https://doi.org/10.1007/978-981-96-0746-4_24">doi.org/10.1007/978-981-96-0746-4_24</a>
8	D Bharath Kumar, G Mallikarjuna Rao	LNCE 737	Effect of wastewater on concrete curing and mixing	Proceedings of NCCE 2024	2025	978-981-95-1491-5	Springer	2025-26	737			<a href="https://doi.org/10.1007/978-981-95-1491-5_23">doi.org/10.1007/978-981-95-1491-5_23</a>

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9	G. Mallikarjuna Rao, Bharath Kumar, Koniki Srikanth	LNCE 737	study of strength and durability of recycled aggregates used in different grades of concrete	Proceedings of NCCE 2024	2025	978-981-95-1491-5	Springer	2025-26	737			<a href="https://doi.org/10.1007/978-981-95-1491-5_24">doi.org/10.1007/978-981-95-1491-5_24</a>
10	D Bharath Kumar	Recent Developments in Sustainable Infrastructure	Improved predictions of aerosol constituents with CALIPSOsatellites over east coastal city of India	ICRDSI 2023	2025		Springer	2025-26	594		585-590	<a href="https://doi.org/10.1007/978-981-96-5043-9_55">doi.org/10.1007/978-981-96-5043-9_55</a>
11	T Chaitanya Srikrishna, Vishal Singh, G Mallikarjuna Rao, Koniki Srikanth	SIIMCES 2025	Predicting mechanical properties of glass fiber reinforced concrete using respose surface methodology	Procedia Structural Integrity	2025		Elsevier	2025-26	70		271-278	<a href="https://doi.org/10.1016/j.prostr.2025.07.053">https://doi.org/10.1016/j.prostr.2025.07.053</a>
12	K Srikanth, SK Boddu and R A Bhamidipati	Proceedings of NMTE2A, Springer proceedings in Materials 77	Life Cycle Assessment of Supplementary Cementitious Materials in Pervious Concrete: A Comparative Approach	Proceedings of NMTE2A	2025	978-981-96-6107-7_10	Springer	2025-26			185-202	<a href="https://doi.org/10.1007/978-981-96-6107-7_10">https://doi.org/10.1007/978-981-96-6107-7_10</a>
13	Koniki Srikanth, T Chaitanya Srikrishna, G Mallikarjuna Rao	Proceedings of NMTE2A, Springer proceedings in Materials 77	Flexural Behaviour of bamboo and PVA fiber reinforced concrete slab panels	Proceedings of NMTE2A	2025	978-981-96-6107-7_11	Springer	2025-26			203-212	<a href="https://doi.org/10.1007/978-981-96-6107-7_11">https://doi.org/10.1007/978-981-96-6107-7_11</a>
14	T Chaitanya Srikrishna, Koniki Srikanth	Proceedings of NMTE2A, Springer proceedings in Materials 77	An appraisal on the performance of cinder aggregate in slag cement concrete for sustainable construction	Proceedings of NMTE2A	2025	978-981-96-6107-7_9	Springer	2025-26			171-183	<a href="https://doi.org/10.1007/978-981-96-6107-7_9">https://doi.org/10.1007/978-981-96-6107-7_9</a>
15	T Malleshwari Devi, T D Gunneswar rao	Low carbon materials and technologies for a sustainable and resilient infrastructure	Study of influence of extra water and cement in the development of self-compacting geopolymer concrete	Lecture notes in civil engineering	2025	978-981-99-7464-1	Springer	2024-25	440		157-166	<a href="https://doi.org/10.1007/978-981-99-7464-1_12">https://doi.org/10.1007/978-981-99-7464-1_12</a>
16	Kamalini Devi	Proceedings of 3rd International conference on ACSGE, Vol. 1	Properties of self compacting concrete with replacing cement with metakaolin and M-sand as fine aggregae	Third international conference on Advances in Concrete, Structural and Geotechnical Engineering (ACSGE 24)	2025	978-981-96-0746-4	Springer Nature Singapore	2024-25	Vol.1		315-328	<a href="https://doi.org/10.1007/978-981-96-0746-4_22">https://doi.org/10.1007/978-981-96-0746-4_22</a>
17	Angshuman Das, S. Banerjee	Ground engineering and applications	Review of Unit cell concept in design of ground improvement techniques	International Young Geotechnical Engineers Conference 2021	2025	978-981-96-1373-1	Springer Nature Singapore	2024-25			187-198	<a href="https://doi.org/10.1007/978-981-96-1373-1_17">https://doi.org/10.1007/978-981-96-1373-1_17</a>

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18	Thriveni Kommula, Poojitha Goundla, Raghava Bhamidipati, Abhinav Gopi	Geo-practices towards sustainable infrastructures, Vol. 1	Estimation of basic geotechnical properties of two Hyderabad soils using lab electrical resistivity method	Geopractices towards sustainable Infrastructures, IIT Hyderabad, October 2024	2025	978-981-96-3220-6	Springer Nature Singapore	2024-25			99-110	<a href="http://dx.doi.org/10.1007/978-981-96-3220-6_8">http://dx.doi.org/10.1007/978-981-96-3220-6_8</a>
19	Akhila K., Vaishnavi T., Karthik K., K Devi, J R Khuntia, Ramnarayan S.		Flood susceptibility mapping using geospatial techniques: A case study of Himayatsagar catchment, Telangana	International conference on Innovations and sustainability in Civil Engineering	2025			2024-25				
20	Tirupathi B., Afroozi S., Tripura J., Devi K., Ramnarayan S.		A comprehensive analysis of Ken-Betwa river interlinking project using WEAP: Assessing its impact on Bundelkhands water challenges	International conference on Innovations and sustainability in Civil Engineering	2025			2024-25				
21	Cherishma. P, Sreeya. M, K. Devi, J. R. Khuntia, Ramanarayan S., B. S. Das		AI-based estimation of scour depth for stronger structures	International conference on Innovations and sustainability in Civil Engineering	2025			2024-25				
22	Subbarayan S., Ramnarayan Sankrithi, N R Dakshinamurthy, K Jagannadha Rao, Arivcli E., Niraimathi J		Comparitive assessment of groundwater vulnerability models in coastal Andhra Pradesh, India: DRASTIC, SINTACS and GOD approaches	10th International Groundwater Conference: Groundwater Vision 2047	2025			2024-25				
23	Subbarayan S., Ramnarayan Sankrithi, N R Dakshinamurthy, Divya R., Arivcli E., Niraimathi J		Extracting aquaculture ponds from natural water surfaces around inland lakes through GEE datasets: A case study of river Krishna delta	Int. conference on advances in materials modeling and analysis for sustainable and resilient infrastructure	2025			2024-25				
24	Raghava A Bhamidipati, G Sridevi, J Shaikh, A Sinha, S Sahoo	Proceedings of Third international conference on Advances in Concrete, Structural and Geotechnical Engineering	Investigation of Puri Marine sand as an alternative to river sand in construction engineering	Third international conference on Advances in Concrete, Structural and Geotechnical Engineering (ACSGE 24)	2025	978-981-96-0755-6	Springer Singapore	2024-25	3		119-131	<a href="http://dx.doi.org/10.1007/978-981-96-0755-6_11">http://dx.doi.org/10.1007/978-981-96-0755-6_11</a>

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25	Dr.G.Mallikarjuna Rao, Sabavath Jagan Das		Study on Strength and Durability Characteristics of Recycled Aggregate used in different grades of Concrete	39 th National Convention of Civil Engineers	2024			2024-25				
26	G. Mallikarjuna Rao, Sabavath Jagandas, Md Shafin, Koniki Srikanth, Bharath Kumar		Evaluation of Bamboo Species as reinforcement in concrete for temporary structures : A study of physical and mechanical properties	14th Structural Engineering Convention - An International Conference (SEC-2024)	2024			2024-25				
27	Vishal Singh, Rajesh Kumar, N. C. Pal, and B. G. Mohapatra	Sustainable Design and Eco Technologies for Infrastructure	Semi-Analytical Study of a Functionally Graded Open Cellular Porous Beam to Analyze Its Nonlinear Bending Characteristics		2024	978-981-99-8465-7	Springer Nature Singapore	2024-25	441		49-58	<a href="https://doi.org/10.1007/978-981-99-8465-7_4">https://doi.org/10.1007/978-981-99-8465-7_4</a>
28	Vinay Teeda, Hemanth, Pallavi Badry and Kamalini Devi	AIP Conference Proceedings	Prophecy of Compressive Strength of Geopolymer Concrete using Artificial Neural Networks		2024	1551-7616	AIP Conference Proceedings	2024-25	3146	1	60001	<a href="https://doi.org/10.1063/5.0224520">https://doi.org/10.1063/5.0224520</a>
29	H. Bsanth Kumar, Pallavi Badry, Kamalini Devi, Shrihari Saduwale and Obulesh	AIP Conference Proceedings	Optimization of residential building using machine learning		2024	1551-7616	AIP Conference Proceedings	2024-25	3146	1	60007	<a href="https://doi.org/10.1063/5.0224523">https://doi.org/10.1063/5.0224523</a>
30	Ramanarayan Sankriti,Malla Kalyan		DECADAL FOREST COVER CHANGES IN THE WESTERN GHATS: A MACHINE LEARNING APPROACH USING REMOTE SENSING DATA	International Conference on Sustainable Energy and Environmental Developments (ICSEED24)	2024			2024-25				
31	Ramanarayan Sankriti, Dudam Bharath Kumar		INTEGRATED REMOTE SENSING AND GIS-BASED AGRICULTURAL DROUGHT MONITORING USING SPECTRAL INDICES TCI, VCI, AND VHI IN THE MARATHWADA REGION	ICBIT International Conference on Biotechnology and Interdisciplinary Technologies	2024			2024-25				

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32	Ramanarayan Sankriti, N R Daksshinamurthy		Google Earth Engine for Rooftop Rain-water harvesting potential mapping: A Random Forest Classification Using Spectral Information	29th International Conference on Hydraulics, Water Resources, River and Coastal Engineering, HYDRO 2024	2024			2024-25				
33	A. Lalitha, E. Sahithi, J. R. Khuntia, K. Devi, B. S. Das		Numerical Investigation of local scour dynamics around Circular Bridge Pier	29th International Conference on Hydraulics, Water Resources, River and Coastal Engineering, HYDRO 2024	2024			2024-25				
34	Kamalini. Devi, Lokanatha. D. P , Prashanthi. C, Cherisma. P		A case study in achieving self-sustainability and water security in township development	29th International Conference on Hydraulics, Water Resources, River and Coastal Engineering, HYDRO 2024	2024			2024-25				
35	Prashanthi. C, Devi. K, Khuntia. J. R.		Effect of scour depth in designing of scour depth foundation	29th International Conference on Hydraulics, Water Resources, River and Coastal Engineering, HYDRO 2024	2024			2024-25				
36	Cherishma. P, Sreeya. M, K. Devi, J. R. Khuntia, Ramanarayana. , B. S. Das		Experimental Investigations and AI Modelling of Scouring Depths for Improved Structural Integrity	29th International Conference on Hydraulics, Water Resources, River and Coastal Engineering, HYDRO 2024	2024			2024-25				
37	K. Rahul, B. Brahmachari, A. Jayasree, K. Devi, J. R. Khuntia & B. S. Das		DAM BREAK FLOW SIMULATION USING HEC-RAS	29th International Conference on Hydraulics, Water Resources, River and Coastal Engineering, HYDRO 2024	2024			2024-25				
38	B. Brahmachari, B. S. Das, SS. Kumar, K. Devi, J. R. Khuntia, K. Rahul		Assessment of Dam Breach Using HEC RAS: A Case Study	29th International Conference on Hydraulics, Water Resources, River and Coastal Engineering, HYDRO 2024	2024			2024-25				
39	J.R. Khuntia, K. Devi, B.S. Das & M. Aamir	River Flow 2024	Machine Learning approach for bed shear stress distribution in compound channel flows	12th International Conference on Fluvial Hydraulics, River Flow 2024	2024	978-1003475378	Taylor & Francis Group	2024-25			786-794	<a href="https://doi.org/10.1201/9781003475378">https://doi.org/10.1201/9781003475378</a>
40	K. Devi, J.R. Khuntia, B. S. Das & K.K. Khatua	River Flow 2024	ANFIS and GEP applications in predicting discharge in two-stage open channel flow	12th International Conference on Fluvial Hydraulics, River Flow 2024	2024	978-1003475378	Taylor & Francis Group	2024-25			795-803	<a href="https://doi.org/10.1201/9781003475379">https://doi.org/10.1201/9781003475379</a>

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41	A. Baranwal & B.S. Das, K.K. Khatua & J.R. Khuntia & K. Devi	River Flow 2024	Modelling of Live bed Scour Depth around Bridge Pier using Machine Learning Techniques	12th International Conference on Fluvial Hydraulics, River Flow 2024	2024	978-1003475378	Taylor & Francis Group	2024-25			880-888	<a href="https://doi.org/10.1201/9781003475380">https://doi.org/10.1201/9781003475380</a>
42	S. Sandilya, B. Das, K. Devi & J. Khuntia	River Flow 2024	Prediction of discharge in compound channel with converging and diverging floodplain using different machine learning approach	12th International Conference on Fluvial Hydraulics, River Flow 2024	2024	978-1003475378	Taylor & Francis Group	2024-25			69-77	<a href="https://doi.org/10.1201/9781003475381">https://doi.org/10.1201/9781003475381</a>
43	A.Saketh Reddy, M.Kalyan		Assessing the Performance of Mechanical and durability properties of Internally cured blended concrete using robosand as fine aggregate	7th International conference on modelling and simulation in Civil Engineering (ICMSC-2024)	2024			2024-25				
44	Nagaraju Ummineni, M.Kalyan		Mechanical nd durability properties of self curing concrete with 100 % replacement of fine aggreagte with robo sand	7th International conference on modelling and simulation in Civil Engineering (ICMSC-2024)	2024			2024-25				
45	N. Lalitha Kumari, K Manasa		Seismic Control of Irregular RCC Structure with Fluid Viscous Dampers using SAP2000	2nd International conference on Developments in Sustainable Materials, Infrastructure, Manufacturing and Energy Engineering (ICDSMIME-2024)	2024			2024-25				
46	Mahesh K, Shrihari S, Devi k, Anjali M		Flexural Behavior of Reinforced concrete beam using industrial waste	2nd International conference on Developments in Sustainable Materials, Infrastructure, Manufacturing and Energy Engineering (ICDSMIME-2024)	2024			2024-25				
47	Ramanarayan Sankriti, N R Daksshinamurthy		Extracting aquaculture ponds from natural water surfaces around inland lakes through GEE datasets: A case-study of River Krishna delta in South India	AMMASRI-2025	2025			2024-25				

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48	Dudam Bharath Kumar, M. Mallikarjunarao, G. Naveen, J. Ravi Varma, N. Yathin		Effect of wastewater on concrete curing and mixing	39th National Convention of Civil Engineers organized by IEI (India) Kochi local chapter	2024			2024-25				
49	Dudam Bharath Kumar		Modelling of outdoor air quality for source fields in an urban environment: a case study of Bhubaneswar	7th International Conference on Modelling and Simulations in Civil Engineering (ICMSC) 2024	2024			2024-25				
50	Dudam Bharath Kumar, P. Nithin Verma, K. Mahita, D. Harshith Reddy, Priyadharshini B.		Comparison of air pollution predictions between the machine learning technique and statistical model	International Conference on Sustainable Energy and Environmental Developments (ICSEED24)	2024			2024-25				
51	Raghava A. Bhamidipati, Nikhil Boddupally, Dhanush Cheguri, Vishwajit Reddy		Impact of Iron-ore tailings on the engineering properties of Hyderabad soils	Indian Geotechnical Conference (IGC 2024)	2024			2024-25				
52	Pachudala Avinash, Ravi Kumar Reddy C, Durga Prasad Ravella and P. Srinivas Reddy		Coupled Effect of Soil and Structure on Design Parameters in 3D Building Frames	2nd International conference on Developments in Sustainable Materials, Infrastructure, Manufacturing and Energy Engineering (ICDSMIME-2024)	2024			2024-25				
53	vivek KS, Adil Dar Md, Sreedharbabu T, Ravi kumar Reddy C		CFRP strengthening of CFS lipped angle columns	14th Structural Engineering Convention (An International Conference) SEC-2024	2024			2024-25				
54	Danish Fayaz, Shuvendu Narayan Patel, Vishal Singh, Sheetal Thapa		Nonlinear Frequency Response of Laminated Composite Stiffened Plates subjected to In-Plane Harmonic Loading	14th Structural Engineering Convention (An International Conference) SEC-2024	2024			2024-25				

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55	S.W.M. Quadri, N. R. Dakshina Murthy, Vishal Singh, Rajesh Kumar, Syed Anees Ur Rahman,		Numerical analysis of porous beam with non-uniform symmetric porosity distribution for non-linear bending subjected to non-uniform loading	2nd International conference on Developments in Sustainable Materials, Infrastructure, Manufacturing and Energy Engineering (ICDSMIME-2024)	2024			2024-25				
56	Syed Anees Ur Rahman, Vishal Singh, N. R. Dakshina Murthy, Rajesh Kumar,		Analysis of porous sandwich plate for non-linear bending subjected to non-uniform loadings	7th International conference on modelling and simulation in Civil Engineering (ICMSC-2024)	2024			2024-25				
57	S. W. M. Quadri, Vishal Singh, N. R. Dakshina Murthy and Rajesh Kumar		Analysis of porous beam for non-linear bending under different non-uniform loadings - A numerical study	7th International conference on modelling and simulation in Civil Engineering (ICMSC-2024)	2024			2024-25				
58	Bellam Akshita, B Anusha, Angshuman Das		Review on the Strength Deformation Behaviour of Granular Soil mixed with Waste Tyre Rubber	Indian Geotechnical Conference (IGC 2024)	2024			2024-25				
59	Bharadwaj Kappala, Sri Varsha Vuda, Phani Sai Anaveni, and Jnana Ranjan Khuntia	Water and Environment, Volume 1	Discharge Prediction of Extreme Flood Events Using HEC-RAS Software: A Study on Musi River, Hyderabad	Proceedings of ICWROEE 2024	2024	978-981-97-7699-3	Springer Singapore	2024-25	1	NA	287-294	<a href="https://doi.org/10.1007/978-981-97-7699-3">https://doi.org/10.1007/978-981-97-7699-3</a>
60	Sardar Rechel Blessy, Balerao Supraja, Kushal Rathi, Kamalini Devi, K. Vasanth, and Pulipati Srilatha	Water and Environment, Volume 1	Surveying Flash Floods in Urban Indian Environment: A Review of Machine Learning Applications	Proceedings of ICWROEE 2024	2024	978-981-97-7699-3	Springer Singapore	2024-25	1	NA	251-263	<a href="https://doi.org/10.1007/978-981-97-7699-3">https://doi.org/10.1007/978-981-97-7699-3</a>
61	Snigdha Cherukuri, Abdullah Mohammad, Kamalini Devi, S. V. S. Durga Prasad, and Sri Lakshmi	Water and Environment, Volume 1	Composite Model Studies on Hamirpur Barrage	Proceedings of ICWROEE 2024	2024	978-981-97-7699-3	Springer Singapore	2024-25	1	NA	89-102	<a href="https://doi.org/10.1007/978-981-97-7699-3">https://doi.org/10.1007/978-981-97-7699-3</a>



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62	T Muralidhara Rao, Chava Venkatesh, Cherreddy Sonali Sri Durga, Jagadeesh Bommisetty and <b>Ravi Kumar Reddy C</b>	Journal of Physics: Conference Series	Corrosion characteristics of rebar in Fly Ash-GGBFS synthesised alkali activated concrete	International Conference on Materials Innovation and Sustainable Infrastructure	2024	1742-6596	IOP Conference Series publication	2024-25	2779		12083	10.1088/1742-6596/2779/1/012083
63	T Muralidhara Rao, Chava Venkatesh, Cherreddy Sonali Sri Durga, Jagadeesh Bommisetty and <b>Ravi Kumar Reddy C</b>	Journal of Physics: Conference Series	Electrochemical study on the effect of high volume fly ash on the corrosion of reinforcement in self compacting concrete slab panels	International Conference on Materials Innovation and Sustainable Infrastructure	2024	1742-6596	IOP Conference Series publication	2024-25	2779		12047	10.1088/1742-6596/2779/1/012047
64	Swapnika, Vishnu Yadarth, Abdullah, M.Kalyan	Conference	Analysis and design of a commercial building under various seismic zones using Stadd Pro	2nd International Conference on Novel Materials and Technologies for Energy and Environment Applications	2024			2023-24				
65	M.Kalyan	Conference	Pervious Concrete - an approach for the sustainable Pavement	National Conference on Civil and Mechanical Engineering (NCCME - 24)	2024			2023-24				
66	N R Dakshina Murthy, T. Vasudeva Rao, K. J. Rao	Lecture Notes in Civil Engineering	Evaluating the Performance of Precast Concrete Components for the Application in Low-Cost Housing	International Conference on Cement and Building Koncrete for a Sustainable and Resilient Infrastructure	2024	2366-2565	Springer	2023-24	440		287-298	<a href="https://doi.org/10.1007/978-981-99-7464-1_21">https://doi.org/10.1007/978-981-99-7464-1_21</a>
67	B. Raghava Aditya	Lecture Notes in Civil Engineering	A Study of the Engineering Properties of Bhubaneswar Laterite Soils	Indian Geotechnical Conference 2022	2024	978-981-97-1737-8	Springer	2023-24	476		283-290	<a href="https://doi.org/10.1007/978-981-97-1737-8_24">https://doi.org/10.1007/978-981-97-1737-8_24</a>
68	K. Jagannadha Rao & NR Dakshina Murthy	Advanced Materials In Civil Engineering			2024	978-81-964105-5-1	Grinrey Publishing	2023-24	2			<a href="https://doi.org/10.55084/grinrey/RTM/978-81-964105-5-1">https://doi.org/10.55084/grinrey/RTM/978-81-964105-5-1</a>
69	K. Jagannadha Rao	Computational Analysis of Buildings			2024	978-81-964105-4-4	Grinrey Publishing	2023-24	7			<a href="https://doi.org/10.55084/grinrey/ERT/978-81-964105-4-4_1">https://doi.org/10.55084/grinrey/ERT/978-81-964105-4-4_1</a>
70	E.Maheshwar Reddy, T.Vasudeva Rao, Ramanarayan Sankriti, M.Kalyan		Assessment of Water Quality Index (WQI) and Hydrogeochemistry of Osmansagar Reservoir and its surroundings using GIS	International Conference on Novel Materials and Technologies for Energy and Environment Applications (NMTE2A-2024)	2024		-	2023-24	-	-	177	-

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71	T. Chaitanya Srikrishna		An Appraisal on the Performance of Cinder Aggregate in Slag Cement Concrete for Sustainable Construction	International Conference on Novel Materials and Technologies for Energy and Environment Applications (NMTE2A-2024)	2024		-	2023-24	-	-	174	-
72	Kakara Srikanth, Raghava Aditya Bhamidipati		Life cycle assessment of supplementary cementitious materials in pervious concrete: A comparative approach	International Conference on Novel Materials and Technologies for Energy and Environment Applications (NMTE2A-2024)	2024		-	2023-24	-	-	180	-
73	Srikanth Koniki		Flexural behaviour of bamboo and PVA fiber reinforced concrete slab panels	International Conference on Novel Materials and Technologies for Energy and Environment Applications (NMTE2A-2024)	2024		-	2023-24	-	-	166	-
74	Dudam Bharath Kumar		Effect Of Synergetic Interaction of Bio-Char and Stone Dust with Concrete	International Conference on Novel Materials and Technologies for Energy and Environment Applications (NMTE2A-2024)	2024		-	2023-24	-	-	222	-
75	K. Jagannadha Rao	International Conference on Advances in Civil Engineering (ICACE) 2022	Preface: International Conference on Advances in Civil Engineering (ICACE) 2022		2024	1551-7616	AIP Publishing	2023-24	3010	1		<a href="https://doi.org/10.1063/12.0024067">https://doi.org/10.1063/12.0024067</a>
76	K. Jagannadha Rao, Arshad Hussain Chowdhary	Recent Experimental and Computational Research in Structural Engineering			2023	978-81-964105-2-0	Grinrey Publishing	2023-24	6			<a href="https://doi.org/10.55084/grinrey/ERT/978-81-964105-2-0">https://doi.org/10.55084/grinrey/ERT/978-81-964105-2-0</a>
77	K. Jagannadha Rao, Raghava Aditya B.	Challenges and Advancements in Civil Engineering			2023	978-81-964105-0-6	Grinrey Publishing	2023-24	3			<a href="https://doi.org/10.55084/grinrey/ERT/978-81-964105-0-6">https://doi.org/10.55084/grinrey/ERT/978-81-964105-0-6</a>
78	K. Jagannadha Rao, Angshuman Das	Optimization and Computational Case Studies in Civil Engineering			2023	978-81-964105-1-3	Grinrey Publishing	2023-24	4			<a href="https://doi.org/10.55084/grinrey/ERT/978-81-964105-1-3">https://doi.org/10.55084/grinrey/ERT/978-81-964105-1-3</a>

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79	K. Jagannadha Rao, Jnana Ranjan Khuntia,	Integrated Water Resources Management for Quality Enhancement			2023	978-81-964105-3-7	Grinrey Publishing	2023-24	5			<a href="https://doi.org/10.55084/grinrey/ERT/978-81-964105-3-7">https://doi.org/10.55084/grinrey/ERT/978-81-964105-3-7</a>
80	Angshuman Das	Lecture Notes in Civil Engineering	2D Analysis of Slope Stability Using Limit Equilibrium Analysis and Finite Element Analysis	International Conference on Interdisciplinary Approaches in Civil Engineering for Sustainable Development (IACESD 2023)	2024	2366-2565	Springer	2023-24	449	1	201-213	<a href="https://doi.org/10.1007/978-981-99-8505-0_20">https://doi.org/10.1007/978-981-99-8505-0_20</a>
81	Kamalini Devi	Lecture Notes in Civil Engineering	Interlinking of Rivers (Godavari–Krishna–Pennar–Cauvery)	International Conference on Hydraulics, Water Resources and Coastal Engineering (HYDRO 2021)	2023	2366-2565	Springer	2023-24	340	1	325-340	<a href="https://doi.org/10.1007/978-981-99-1890-4">https://doi.org/10.1007/978-981-99-1890-4</a>
82	Jnana Ranjan Khuntia, K. Devi		Shear Stress Estimation in Compound Channel Using M5 Tree and XGBoost Soft Computing Techniques	28th International Conference on Hydraulics, Water resources, River and Coastal Engineering	2023			2023-24	-	-	16	-
83	Jnana Ranjan Khuntia, K. Devi		Hydrodynamic Analysis of Raceway Pond using LES Turbulence model	28th International Conference on Hydraulics, Water resources, River and Coastal Engineering	2023			2023-24	-	-	17	-
84	Jnana Ranjan Khuntia, K. Devi		CFD Simulation of Non-Prismatic Compound Channels using k- and k-Turbulence Models	28th International Conference on Hydraulics, Water resources, River and Coastal Engineering	2023			2023-24	-	-	25	-
85	Jnana Ranjan Khuntia, K. Devi		CFD Simulation of Confluence of Flow using Different Turbulence Models	28th International Conference on Hydraulics, Water resources, River and Coastal Engineering	2023			2023-24	-	-	142	-
86	Jnana Ranjan Khuntia, K. Devi		Study of Drought severity and Agricultural Water Demadn near Godavari Basin	28th International Conference on Hydraulics, Water resources, River and Coastal Engineering	2023			2023-24	-	-	161	-
87	Jnana Ranjan Khuntia, K. Devi		Modelling of Rainfall Using Regression Analysis and Soft Computing Technique	28th International Conference on Hydraulics, Water resources, River and Coastal Engineering	2023			2023-24	-	-	236	-
88	Jnana Ranjan Khuntia, K. Devi		Modelling of Scour Depth Using Multivariable Regression Analysis	28th International Conference on Hydraulics, Water resources, River and Coastal Engineering	2023			2023-24	-	-	354	-

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89	Ramanarayan Sankriti, K Jagannadha Rao		Estimation of Water Borne Soil Loss using Rusle and Gis in Hussainsagar	28th International Conference on Hydraulics, Water resources, River and Coastal Engineering	2023			2023-24	-	-	454	-
90	N R Dakshina Murthy		A study on flexural behaviour of reinforced concrete with partial replacement of cement with GGBS	International Conference on Generic and Pedagogical Research Evolutions in Civil engineering and its allied sciences (GPREC-23)	2023	978-93-92105-84-5	-	2023-24	-	-	117	-
91	N R Dakshina Murthy		Mechanical properties of reinforced concrete with partial replacement of cement with GGBS	International Conference on Generic and Pedagogical Research Evolutions in Civil engineering and its allied sciences (GPREC-23)	2023	978-93-92105-84-5	-	2023-24	-	-	118	-
92	C. Ravi Kumar Reddy		Soil Interaction Studies on Plinth Beams	International Conference on Generic and Pedagogical Research Evolutions in Civil engineering and its allied sciences (GPREC-23)	2023	978-93-92105-84-5	-	2023-24	-	-	90	-
93	C. Ravi Kumar Reddy		Soft Computing Techniques for the Prediction of Strength for Geopolymer Concrete	International Conference on Generic and Pedagogical Research Evolutions in Civil engineering and its allied sciences (GPREC-23)	2023	978-93-92105-84-5	-	2023-24	-	-	91	-
94	C. Ravi Kumar Reddy		Development of Innovative Flexible Pavement Design Utilizing Cement-Treated Base and Its Impact on Cost	International Conference on Generic and Pedagogical Research Evolutions in Civil engineering and its allied sciences (GPREC-23)	2023	978-93-92105-84-5	-	2023-24	-	-	92	-
95	C. Ravi Kumar Reddy		Corrosion Characteristics of Steel Reinforcement in Geopolymer Concrete Subjected to Saline Environment	International Conference on Generic and Pedagogical Research Evolutions in Civil engineering and its allied sciences (GPREC-23)	2023	978-93-92105-84-5	-	2023-24	-	-	9	-

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96	C. Ravi Kumar Reddy		Corrosion Characteristics of Rebar in Fly Ash-GGBFS Synthesised Alkali Activated Concrete	International Conference on Generic and Pedagogical Research Evolutions in Civil engineering and its allied sciences (GPREC-23)	2023	978-93-92105-84-5	-	2023-24	-	-	62	-
97	Kamalini Devi	Latest Developments in Civil Engineering	Optimization of Intze type water tank using Machine learning	Proceedings from the International Conference on Recent Advances in Civil Engineering, RACE 2022	2023	978-981-99-2676-3	Springer	2023-24	352	1	437-461	<a href="https://doi.org/10.1007/978-981-99-2676-3_35">https://doi.org/10.1007/978-981-99-2676-3_35</a>
98	Kamalini Devi	Latest Developments in Civil Engineering	Optimization of Reinforced concrete shear wall by Machine learning	Proceedings from the International Conference on Recent Advances in Civil Engineering, RACE 2023	2023	978-981-99-2676-3	Springer	2023-24	352	1	475-490	<a href="https://doi.org/10.1007/978-981-99-2676-3_37">https://doi.org/10.1007/978-981-99-2676-3_37</a>
99	D. Bharath Kumar	Sustainable Advanced Technologies for Industrial Pollution Control	Study of Wastewater Treatment in Hindustan Coca-Cola Plant at Khurda		2023	978-3-031-37596-5	Springer	2023-24	1	1	349-364	<a href="https://doi.org/10.1007/978-3-031-37596-5_26">https://doi.org/10.1007/978-3-031-37596-5_26</a>
100	Feroz Shaik, Thunuguntla Chaitanya Srikrishna and Lotla Sandeep Reddy	Earth and Environmental Science	An Evaluation of Mechanical and Fracture Characteristics of Geopolymer Concrete Incorporating Steel Fibers		2023	1755-1315	IOP Conf. Series	2023-24	1280	1	12003	<a href="https://doi.org/10.1088/1755-1315/1280/1/012003">https://doi.org/10.1088/1755-1315/1280/1/012003</a>
101	Lotla Sandeep Reddy, Thunuguntla Chaitanya Srikrishna and G.V.Praveen	Earth and Environmental Science	Investigations on Strength and Durability Properties of Recycle Aggregate and Fly Ash in Concrete		2023	1755-1315	IOP Conf. Series	2023-24	1280	1	12004	<a href="https://doi.org/10.1088/1755-1315/1280/1/012004">https://doi.org/10.1088/1755-1315/1280/1/012004</a>
102	Daida Veronica Priyadharshini; G. V. V. Satyanarayana; N. Ravi Dakshina Murthy	AIP Conference Proceedings	Experimental investigation on durability aspects of hybrid fibre reinforced concrete under marine conditions		2023	1551-7616	AIP Conference Proceedings	2023-24	2754	1	150009	<a href="https://doi.org/10.1063/5.0167071">https://doi.org/10.1063/5.0167071</a>
103	J. Rohith Kumar; G. V. V. Satyanarayana; N. Ravi Dakshina Murthy	AIP Conference Proceedings	Design and analysis of multi-story building having visco-elastic dampers		2023	1551-7616	AIP Conference Proceedings	2023-24	2754	1	40001	<a href="https://doi.org/10.1063/5.0167069">https://doi.org/10.1063/5.0167069</a>
104	Pandrala Sanjana; G. V. V. Satyanarayana; N. Ravi Dakshina Murthy	AIP Conference Proceedings	Experimental investigation on mix proportions of foam concrete to fix ingredients in low and medium densities		2023	1551-7616	AIP Conference Proceedings	2023-24	2754	1	150007	<a href="https://doi.org/10.1063/5.0167070">https://doi.org/10.1063/5.0167070</a>

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105	Jnana Ranjan Khuntia, K. Devi	HYDRO 2021: Fluid Mechanics and Hydraulics	Effect of Emergent Rigid Vegetation on Flow Properties in an Open Channel	International Conference on Hydraulics, Water Resources and Coastal Engineering	2023	ISBN: 978-981-19-9150-9	Springer	2022-23	314	1	1-14.	<a href="https://doi.org/10.1007/978-981-19-9151-6_1">https://doi.org/10.1007/978-981-19-9151-6_1</a>
106	Jnana Ranjan Khuntia, K. Devi	HYDRO 2021: Fluid Mechanics and Hydraulics	Numerical Investigation of Secondary Flow Structures in a Gravel Bed Asymmetric Compound Channel	International Conference on Hydraulics, Water Resources and Coastal Engineering	2023	ISBN: 978-981-19-9150-9	Springer	2022-23	314	1	101–113	<a href="https://doi.org/10.1007/978-981-19-9151-6_9">https://doi.org/10.1007/978-981-19-9151-6_9</a>
107	N R Dakshina Murthy		IoT-integrated deep learning model and SmartBin system for real-time solid waste management	7th International Conference on Trends in Electronics and Informatics.	2023			2022-23	-	-	-	-
108	Jnana Ranjan Khuntia, K. Devi		Numerical Modelling of Flood Routing in Laboratory and Natural Open Channels	27 th International Conference on “Hydraulics, Water Resources, Environmental and Coastal Engineering”	2022			2022-23	-	-	-	-
109	Jnana Ranjan Khuntia, K. Devi		Study of flash floods and flow prediction by AI techniques	27 th International Conference on “Hydraulics, Water Resources, Environmental and Coastal Engineering”	2022			2022-23	-	-	-	-
110	Jnana Ranjan Khuntia	<a href="#">River Dynamics and Flood Hazards</a>	Estimation of Shear Force Distribution in Two-Stage Open Channel Using SVM and ANFIS	-	2022	ISBN: 978-981-19-7100-6	Springer	2022-23	1	1	203–221	<a href="https://doi.org/10.1007/978-981-19-7100-6_12">https://doi.org/10.1007/978-981-19-7100-6_12</a>
111	K. Jagannadha Rao	AIP Conference Proceedings	Evaluation of the shear strength design equations for slender and non-slender RC beams admixed with recycled concrete aggregate without web reinforcement	2nd International Conference on Mathematical Techniques and Applications	2022	ISBN: 978-0-7354-4234-4	AIP Publishing	2022-23	2516	1	60002	<a href="https://doi.org/10.1063/5.0108418">https://doi.org/10.1063/5.0108418</a>
112	Jnana Ranjan Khuntia, K. Devi	Lecture Notes in Civil Engineering	Numerical Investigation of Secondary Flow Structures in a Gravel Bed Asymmetric Compound Channel	27 th International Conference on “Hydraulics, Water Resources, Environmental and Coastal Engineering”	2023			2022-23	-	-	-	-
113	K. Jagannadha Rao	Earth and Environmental Science	Studies on the effect of recycled concrete aggregates on concrete with mixed fibre and pozzolans		2022	1755-1315	IOP Conference Series	2022-23	1086	1	1-13.	<a href="https://iopscience.iop.org/article/10.1088/1755-1315/1086/1/012010">https://iopscience.iop.org/article/10.1088/1755-1315/1086/1/012010</a>

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114	M.V.Krishna Rao	Lecture Notes in Civil Engineering	Workers Safety at Indian Construction Sites—A Survey	-	2022	ISBN: 978-981-19-0188-1	Springer	2021-22	233	1	467–480	<a href="https://doi.org/10.1007/978-981-19-0189-8_38">https://doi.org/10.1007/978-981-19-0189-8_38</a>
115	Ramnarayan Sankrithi		Evaluation of water quality index at Gandipet lake surroundings	1st International Conference on Sustainable Approach for Resilient Infrastructure 2021 (IC SAFRI), CBIT, Hyd	2022	E-ISBN: 978-1-956102-94-9	Selfypage Developers Pvt. Ltd.	2021-22	-	-	-	-
116	K Jagannadha Rao	Sustainable Engineering	Sustainable Engineering		2021	ISBN-978-93-5014-714-6	S.K. Kataria & Sons	2021-22	Book			
117	Dr. P Yugendar	Recent Advancements in Civil Engineering. Lecture Notes in Civil Engineering	Macroscopic analysis of traffic flow behavior on multi-lane highways under heterogeneous traffic conditions	International Conference on Advances in Civil Engineering, VNIT Nagpur	2021	ISBN: 978-981-16-4395-8	Springer	2021-22	172	1	633–643	<a href="https://doi.org/10.1007/978-981-16-4396-5_55">https://doi.org/10.1007/978-981-16-4396-5_55</a>
118	N. R. Dakshina murthy	Lecture Notes in Civil Engineering	Stress–Strain Behaviour of Self-consolidated Processed Recycled Aggregate Concrete.		2021	ISBN- 978-981-33-6389-2	Springer	2020-21	135	1	51–59	<a href="https://doi.org/10.1007/978-981-33-6389-2_6">https://doi.org/10.1007/978-981-33-6389-2_6</a>
119	N. R. Dakshina murthy	Lecture Notes in Civil Engineering	Studies on Infiltration Rate of Pervious Concrete. (Recent Advances in Structural Engineering)		2021	ISBN- 978-981-33-6389-2	Springer	2020-21	135	1	21-28	<a href="https://doi.org/10.1007/978-981-33-6389-2_3">https://doi.org/10.1007/978-981-33-6389-2_3</a>
120	Dr. K Jagannadha Rao		Evaluation of shear strength design equations for slender and non slender RC beams admixed with recycled concrete aggregate without web reinforcement	2nd International Conference on Mathematical Techniques and Applications-2021, SRMIST, Chennai	2021		-	2020-21	-	-	-	-
121	Sri R Swamiranga Reddy		An Experimental study on durability of pervious concrete	3rd International Conference on “Advances in Civil Engineering(ICACE-2021) KLUiversity Guntur. A.P	2021	ISBN: 978-981-16-8666-5	Springer	2020-21	-	-	-	-
122	Dr. M.V. Krishna Rao		Identification of Critical Construction Delay Factors: An Indian Perception (Paper ID:53)	3rd International Conference on Advances in Civil Engineering (ICACE 2021)	2021	ISSN 1757-899X (Online)		2020-21	-	-	-	-
123	Dr. K. Jagannadha Rao	Recycled Aggregates: Materials and Uses	Performance of different grades of Self Compacting Concrete (SCC) with Recycled Concrete Aggregates (RCA)		2021	ISBN: 9781536195545	Nova Science Publishers Inc, New York.	2020-21	-	-	-	-

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124	Dr K. Jagannadha Rao		An experimental investigation of self compacting concrete containing recycled concrete aggregates	International Conference on Construction Materials and Smart Structures for Sustainable Development 2020	2020	ISSN: 2366-2557		2020-21	-	-	-	-
125	M.V.Krishna Rao	Lecture Notes in Civil Engineering	Performance Characteristics of Self-cured Recycled Aggregate Concrete with SCM's	National Conference on Structural Engineering and Construction Management	2020	ISBN: 978-3-030-55114-8	Springer	2020-21	97	1	745-754	<a href="https://doi.org/10.1007/978-3-030-55115-5_68">https://doi.org/10.1007/978-3-030-55115-5_68</a>
126	Dr. K. Jagannadha Rao	Advances in Structural Engineering	Mathematical Model for Prediction of Compressive Strength of Normal, Standard and High Strength SCC with RCA		2020	ISSN: 2366-2557	Springer	2019-20	74	1	145-157	<a href="https://doi.org/10.1007/978-981-15-4079-0_13">https://doi.org/10.1007/978-981-15-4079-0_13</a>
127	Dr K. Jagannadha Rao		An Analytical Approach on Effective Selection of Sustainable Materials in Construction Industry by Environmental Managment Systems (EMS) & Green Supply Chain Management	9th IconSWM-CE (9th International Conference on Sustainable Waste Management towards Circular Economy)	2019		-	2019-20	-	-	-	-
128	Dr K. Jagannadha Rao		Use of recycled concrete aggregate in self compacting concrete: A need for sustainable development	International Conference on "Advanced Trends in Mechanical and Aerospace Engineering"	2019	ISBN: 978-0-7354-4059-3		2019-20	-	-	-	-
129	K Jagannadha Rao	Structural Dynamics & Earthquake Engineering	Structural Dynamics & Earthquake Engineering	Srinavas Vasam, K. Jagannadha Rao	2019	ISBN-978-93-5014-654-5.	S.K. Kataria & Sons	2019-20	Book			
130	Dr M Koti Reddy		Flexural and Shear behavior of high strength pond ash concrete	National Conference on Recent advancement in civil engineering 2K19	2019	ISBN: 978-93-5346-032-7		2018-19	-	-	-	-
131	Dr K Praveen		Behaviour of Recycled Aggregate based Steel Fiber Reinforced Self-Compacting Concrete Under Shear	National Conference on Advances in Sustainable Construction Materials (ASCM-19)	2019	ISBN 978-981-15-3361-7		2018-19	-	-	-	-
132	Dr. N. R. Dakshina Murthy		Basic studies on SCC using recycled aggregate	International Conference On Advances in Concrete, Structural & Geotechnical Engineering	2018		-	2017-18	-	-	-	-



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133	Dr. M. Koti Reddy, P.Srinivas Reddy		Seismic Response Study of Multi-storied Reinforced Concrete Building with Fluid Viscous Dampers	National Conference On Innovations in Civil Engineering through Sustainable Technologies	2018		-	2017-18	-	-	-	-
134	Sri. T Vasudeva Rao, P.Srinivas Reddy		Study on Mechanical Properties of Recycled Coarse Aggregate Concrete with Stone Dust	National Conference On Innovations in Civil Engineering through Sustainable Technologies (NICEST-18)	2018		-	2017-18	-	-	-	-
135	Dr. K. Jagannadha Rao		Studies on strength characteristics of Self-curing concrete	Two Day National Conference on Recent Innovations in Civil Engineering	2017	ISBN: 978-93-5279-269-6		2017-18	-	-	-	-
136	Dr. K. Jagannadha Rao		Effect of Recycled Aggregate on Fresh and Hardened State Properties of Self-Compacting Concrete	Two Day National Conference on Recent Innovations in Civil Engineering	2017	ISBN: 978-93-5279-269-6		2017-18	-	-	-	-
137	Sri. A Balaji Rao		Effect of plan shape on the wind pressures on buildings: A CFD Approach	2 <sup>nd</sup> International Conference on Innovations in Structural Engineering (IC-ISE 2017)	2017	ISSN 2250 – 2459		2017-18	-	-	-	-