

Publication -2023

Title of the paper	Name of the Author/s	Name of the journal	Year of publication	ISSN Number	Journal/Conference	Scopus/WOS
Investigation of copper ion adsorption using activated sawdust powder: Isotherm, kinetic and thermodynamic studies	Ilavarasan N, Srinivasa Rao Y.S, Gokulan R, Aravindan A	Global Nest Journal	2023	17907632	Journal	Scopus
Exploration of Compost Soil for the Production of Thermo-Stable Bacillus Protease to Synthesize Bioactive Compounds through Soy Protein Hydrolysis	Ileshita Pan, Krishnamoorthy Nanjundan, Aravindan Achuthan, Praveen Kumar Issac	Agronomy	2023	2073-4395	Journal	Scopus
Trace metal composition of airborne particulates matter in the non-mining and coal mining areas of SCCL Mandamarri region, Mancheri, India	Pavan Kumar Indla, Aravindan Achuthan	AIP Conference Proceedings	2023	0094243X	Conference	Scopus
An Advanced Analyzation of Ultrasonic Sound Detection and Ranging Method using Arduino	T. Devi., Ritu, Sanjeeva Polepaka, A. Achuthan	5th International Conference on Smart Systems and Inventive Technology	2023	978-166547467-2	Conference	Scopus
Stabilization of expansive soil with terrasil and coir fiber as a subgrade for pavement	<u>Nallamothe Mohith Datta, A. Achuthan</u>	E3S Web of Conferences	2023	22671242	Conference	Scopus
Utilization of brown seaweed adsorbent for effective removal of Pb(II) from wastewater: bio	Hemavathi S, Kousalyadevi G, Thiru S, Aravindan A	Global Nest Journal	2023	1790-7632	Journal	Scopus

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Evaluation Of The Water Quality Of The Gundlakamma Reservoir Using Laboratory Work And Hyperspectral Remote Sensing	K. V. SIVAKUMAR BABU, A. ARAVINDAN	Journal of Environmental Protection and Ecology	2023	1311-5065	Journal	Scopus
BIM based approach for cost and energy estimation of a multi storied residential building	Venkatesh, Kona Ch, Suryanarayana Venkat, L. Chaitanya Kumar, J. D.	AIP Conference Proceedings	2023	0094243X	Conference	WOS
Performance study on different moment-resisting beam-column connections for pre-cast concrete frames	Jonna, Sai Srinivas ; Chaitanya Kumar, J. D. ; Harish Kumar, K.	AIP Conference Proceedings	2023	0094243X	Conference	WOS
Utilization of palm oil fuel ash in concrete	Chaitanya Kumar, J. D. ; Babu, Naga Seshu Jogi, Pavan Kumar Raju, Prem Kumar	AIP Conference Proceedings	2023	0094243X	Conference	WOS
Effect of notches on cantilever beams of glass fiber reinforced polymer	Rao, Y. Seetharama Venkat, L. Pratap, Yernagula Chaitanya Kumar, J. D.	AIP Conference Proceedings	2023	0094243X	Conference	WOS
Prioritization of micro watersheds based on soil erosion hazard using remote sensing and geospatial technologies	Murthy, Korlapati Satyanarayana N. Chaitanya Kumar, J. D. ; Kumar, Sanjeet Hamim Jeelani, Syed Hamim	AIP Conference Proceedings	2023	0094243X	Conference	WOS
Parametric evaluation of extra-dosed cable stayed bridge	Venkat, L. Vadapalli, Bhaskar Rao Pradeep,	AIP Conference Proceedings	2023	0094243X	Conference	WOS

	Dharmana; Chaitanya Kumar, J. D.					
Redoing of work on waste material in building construction projects	Arifullah, Shaik Mohammad Chaitanya Kumar, J. D. ; Hamim Jeelani, Syed Hamim	AIP Conference Proceedings	2023	0094243X	Conference	WOS
Using satellite and ground-based measurements, multi-temporal land surface temperature (LST) images were created in portions of Antarctica	Kalpakuri, Gowtham Raju Hamim Jeelani, Syed Hamim Chaitanya Kumar, J. D. ; Mohammed Aslam, M. A. Akhtar, Salim	AIP Conference Proceedings	2023	0094243X	Conference	WOS
Geospatial analysis and assessment of water quality changes in the parts of Krishna River, Andhra Pradesh	Pavithra ,Hemantha Raja, K.Chaitanya Kumar, J. D. ; Hamim Jeelani, Syed HamimMohammed Aslam, M. A.	AIP Conference Proceedings	2023	0094243X	Conference	WOS
Analysis and design of building with floating columns for different slab systems	Chaitanya Kumar, J. D. ; Kristam, Srikanth Reddy, V. L.D.Prasada Jadala, Vijaya Chandra Gupta, A. L.S.K.S.V.D.	AIP Conference Proceedings	2023	0094243X	Conference	WOS
Trace metal composition of airborne particulates matter in the non-mining and coal mining	Indla, Pavan Kumar Aravindan, A. Hamim Jeelani, Syed Hamim	AIP Conference Proceedings	2023	0094243X	Conference	WOS

areas of SCCL Mandamarri region, Mancheria, India	Chaitanya Kumar, J. D.					
Global risk analysis & crisis management of construction projects in pandemic situation	Vangala, Vali Punna Reddy Rajamallu, C. Chaitanya Kumar, J. D.	AIP Conference Proceedings	2023	0094243X	Conference	WOS
Impact of fire on mechanical properties of concrete and cement partially replacement with GGBS	PradeepKhed, Veerendrakumar C. Reddy, Gogireddy Somi Chaitanya Kumar, J. D.	AIP Conference Proceedings	2023	0094243X	Conference	WOS
Sustainable use of solid waste in the production of light weight concrete: A review	Chaitanya Kumar, J. D. ; Sundar, Balina HemaKrishna, Ram Krishna, Radha	AIP Conference Proceedings	2023	0094243X	Conference	WOS
Land use landcover and accuracy evaluation using remote sensing and GIS in and around Vijayawada city Andhra Pradesh, India	Shalini Hemantha Raja, K. ; Hamim Jeelani, Syed Hamim ; Chaitanya Kumar, J. D. ; Rizvi, Syed Shams	AIP Conference Proceedings	2023	0094243X	Conference	WOS
A Sustainable Approach: Plastic Roads	Patil, Virendrakumar B. Chaitanya Kumar, J. D. ; Satish Kumar, M. Sarath Chandra Kumar, B. ; Raju, M. V. ; Reddy, Gogireddy Somi	IEEE Region 10 Humanitarian Technology Conference, R10-HTC	2023	0094243X	Conference	WOS
Analysis and design of structure with post tensioned slab using ETABS (G+5)	Prema K.; Priyanka P.; Jayhind S.; Lingeshwaran N.	AIP Conference Proceedings	2023	0094243X	Conference	WOS

Statistical Analysis of Wastewater at Panjapur, Trichy	Pratheba S.; Balasundaram N.; Krishna Prasanna P.; Lingeshwaran N.	Civil and Environmental Engineering	2023	13365835	Journal	Scopus
Study on seismic soil structure interaction on framed building by using SAP	Mathukumalli S.; Lingeshwaran; Agarwal S.	AIP Conference Proceedings	2023	0094243X	Conference	WOS
Investigation on performance of GGBS concrete by incorporating steel fibers	Prasanna; Lingeshwaran; Murthy R.; Srinivasu	AIP Conference Proceedings	2023	0094243X	Conference	WOS
Analytical Study of Buckling Restrained Braced Frames in Different Seismic Zone Using ETABS	Gottem A.S.; Lingeshwaran N.; Himath Kumar Y.; Mallika Chowdary C.; Pratheba S.; Perumal K.	Civil and Environmental Engineering	2023	13365835	Journal	Scopus & Wos
Performance analysis and experimental investigation on mechanical properties of RCC beam with fibre wrapping	Mohana Sundari S.; Vigneshkannan S.; Kannan C.; Rangaraj A.; Amutha M.; Prakhash N.; Lingeshwaran N.	Materials Today: Proceedings	2023	22147853	Conference	Scopus
A novel application of wastewater treatment plant by using sedimentation technique	Singaravelu B.; Pratheba S.; Balasundaram N.; Lingeshwaran N.	AIP Conference Proceedings	2023	0094243X	Conference	WOS
Absorption capacity and porosity percentage of geopolymer	Kavipriya S.; Ramesh Kumar G.; Aravindhraj	Materials Today: Proceedings	2023	22147853	Conference	Scopus

concrete with varying percentage of source material and alkalinity ratio	M.; Gowtham S.; Lingeshwaran N.; Soundharya T.					
Comparative study on effect of natural fibres and coco peat ash in concrete	Pratheba S.; Hariprakash V.; Thirukumaran R.; Moosa A.; Logesh D.; Lingeshwaran N.	AIP Conference Proceedings	2023	0094243X	Conference	WOS
Strengthening of BC soil by using fly ash and coir fiber ash as an additive in subgrade layers of pavement	V. Arundhathi , K. Hemantha Raja; K. Shyam Chamberlin	AIP Conference proceedings	2023	0094243X	Conference	WOS
Geospatial analysis and assessment of water quality changes in the parts of Krishna River, Andhra Pradesh	Pavithra; Hemantha Raja Kommineni; Durga Chaitanya Kumar Jaragapu	AIP Conference proceedings	2023	0094243X	Conference	WOS
Land use landcover and accuracy evaluation using remote sensing and GIS in and around Vijayawada city Andhra Pradesh, India	Shalini; Hemantha Raja Kommineni; Syed Hamim Jeelani; Durga Chaitanya Kumar Jaragapu;	AIP Conference proceedings	2023	0094243X	Conference	WOS
Alluvial soil stabilization using polypropylene fibers and marble dust in the embankment of flexible pavement	Yara Adigopal, Kommineni Hemantha Raja1	4th International Conference on Design and Manufacturing Aspects for Sustainable Energy	2023	2267-1242	Conference	WOS
Numerical Modelling And Analysis Of Structural Behavior Of	Kommuri, Teja	AIP Conference Proceedings	2023	0094243X	Conference Paper	Scopus

Cold-Formed Steel Composite Wall Panels Under Axial Loading	Mahendra Yarramsetty, Himath Kumar; Ikkurthi, Siva Kishore					
Analytical Study Of Buckling Restrained Braced Frames In Different Seismic Zone Using ETABS	Gottem, Aparna Shiny Lingeswaran N. Himath Kumar Y. Mallika Chowdary, Ch. Pratheba S. Perumal K.	Civil And Environmental Engineering	2023	1336-5835	Journal	Scopus & WOS
Study On Flexural Strengthening Of Reinforced Blended Cement Concrete Beams Using Cfrp Sheets	Brahma Chari Jyothishya Kanneganti	International Conference On Advances In Sustainable Construction Materials, Icascm 2022	2023	0094-243x	Conference Paper	WOS
Flexural Performance Of Sustainable Concrete Beams Containing Supplementary Cementitious Materials And Glass Fiber	Brahma Chari Jyothishya Kanneganti	International Journal On Interactive Design And Manufacturing	2023	1955-2505	Journal	Scopus
Assessment of Urban Flood in Vijayawada under Historical and Future Projected Climate Scenarios	Agarwal, S., Kumar, S.	Indian Journal of Environmental Protection	2023	0253-7141	Journal	Scopus

Assessment of Land Cover Changes and Climate Variability Effects on Catchment Hydrology Using a Physically Distributed Model	Kumar, S., Mishra, A., Singh, U.K.	Sustainability (Switzerland),	2023	2071-1050	Journal	Scopus & WOS
Monitoring and Assessment of Drought using Remote Sensing and association rules	Sanjeet, K., Reddy, M.M., Meena, I., Kumar, R.M.S.	Disaster Advances	2023	0974262X, 22784543	Journal	Scopus
Flood frequency and flood forecasting analysis of Krishna basin Andhra Pradesh	Sanjeet, K., Reddy, M.M., Meena, I., Kumar, R.M.S.	Disaster Advances	2023	0974262X, 22784543	Journal	Scopus
Enhancing Strength and Durability: A Study of Mortar Blocks with Steel Slag Incorporation and the Development of Steel Slag Lime and Cement Blocks	Kumar Chilukuri, S., Kumar, S., Narendra Raut, A.	Journal of polymer and composites	2023	2321–2810	Journal	WOS
Enhancing thermal performance and energy Efficiency: Optimal selection of steel slag crumb rubber blocks through Multi-Criteria decision Making	Kumar Chilukuri, S., Narendra Raut, A., Kumar, S., Singh, R.J., Sakhare, V.	Construction and Building Materials	2023	0950-0618	Journal	Scopus and WOS