

**1<sup>ST</sup> INTERNATIONAL E-CONFERENCE  
ON  
SUSTAINABLE APPROACH FOR RESILIENT INFRASTRUCTURE  
(IC-SAFRI-2021)  
26-27, June 2021**

<b>DAY 1 (26-06-2021)</b>			
<b>Inaugural Session</b>			09:30 to 10:30 AM
<b>SESSION 1 (Sustainable materials and management)</b>			
<b>Keynote Lecture</b>	Dr. Johnson Alengaram U	Encompassing non-traditional construction materials in the development of sustainable construction and challenges	10:30 to 11:00 AM
<b>Session Chair</b>	Dr. Veje, University of Malaya, Malaysia		
<b>Session Co-Chair</b>	Prof. N.V. Rama Rao, Vasavi College of Engg., Hyderabad		
<b>Session-Coordinator</b>	M. Aparna		
<b>S.No</b>	<b>Paper ID</b>	<b>Paper Title</b>	<b>Time</b>
1	M4	Studies on Concrete Made of Quartz and Feldspar Mineral Mining Materials for Sustainability <b>B. Udayasree, T. Raja Ramanna</b>	11:00 AM to 01:30 PM
2	M5	A review on the durability and applicability of Geopolymer concrete from the recent research studies <b>Sarfaraz Ali, Dr A. K. Sachan</b>	
3	M8	Mechanical Properties of Geopolymer Concrete Reinforced with Steel and Glass Fibres with Various Mineral Admixtures <b>Y. Naveen Kumar, Dr.B.Dean kumar, Dr.B.L.P Swami</b>	
4	M14	Self-Healing Concrete <b>Mohammed Safiuddin, Shaik Ithashaam, Rizwan Abdul Kareem, Shalam</b>	
5	M37	Life Cycle Assessment of a Building using Open-LCA software <b>Yashwanth Pamu, Dr. VSS Kumar, Mohammad Abdul Shakir, Hemanjali Ubbana</b>	
6	M44	Towards sustainable construction through the application of low carbon footprint products and demonstration projects <b>Ranjetha, U. Johnson Alengaram, Alnahhal AAE, Karthick S, Wan Zurina WJ, Rao K.J.</b>	
7	M48	Cellular lightweight concrete using palm oil industrial waste as cement replacement material and fine aggregate <b>Ahmed Alnahhal, Abraham HB, U. Johnson Alengaram, Walid Deboucha, Karthick S</b>	
8	CT1	Risk Assessment Of Cost Overrun Using Fuzzy Logic Model <b>Alekhya Gullapudi, Dr. K. Shashikanth, Prof.M Anjaneya Prasad</b>	
9	M24	A Comparative Study Of Mechanical Properties Of M20 Grade Conventional Concrete And Cement Partially Replaced By Cda And Rha Subjected To Different Methods Of Curing <b>Sangam Ekasila, Mohammed Safiuddin, Dr Syed Anisuddin</b>	
<b>LUNCH</b>			01:30 to 02:30 PM
<b>SESSION 2 (Materials and Transportation engineering )</b>			

<b>Keynote Lecture</b>	Dr. Kalaaga Ramachandra Rao	An Approach Towards Sustainable Urban Transportation- Challenges and Opportunities	02:30 to 03:00 PM
<b>Session Chair</b>	Dr. M. Kumar, Principal, OUCE, OU		
<b>Session Co-Chair</b>	Prof. S.S.V. Chalam, CBIT, Hyderabad		
<b>Session-Coordinator</b>	Dr. P. Yugendar		
<b>S.No</b>	<b>Paper ID</b>	<b>Paper Title</b>	<b>Time</b>
1	T3	The Parametric Comparison of Perpetual Pavements with respect to Life-cycle Cost and Greenhouse Gas Emissions <b>Saurabh Kulkarni, M. S. Ranadive</b>	03:00 to 05:30 PM
2	T4	Mitigation Of Black-Spot's On Highways By The Application Of Safe System Approach - A Review <b>Naveen Sagar, Dinesh K Yadav, Sujesh D. Ghodmare</b>	
3	T11	Modelling of choice behaviour of modes in leisure travel: A case study of Indian City <b>S Praveen, Dr M Kumar</b>	
4	M7	Effect of MgSO <sub>4</sub> Solution On Recycled Aggregate Concrete <b>Sonali Panda, T. Jena, K. C. Panda, C.R. Panda</b>	
5	M18	A Study on Mechanical Properties of High Strength Concrete With Partially Replacement of Cement <b>Bhotla Harish, Dr. N.R. Dhakshina murthy and malegram sridhar</b>	
6	M22	The Flow Properties of SCC with Marble Waste Powder as a Partial Substitute for Cement <b>Vijendra Jarugumalli, L.N.K.Sai.Madupu</b>	
7	M60	Crushed Stone Dust as a Replacement for River Sand in Self Compacting Repair Mortars - A Sustainable Solution <b>Mohammed Faeq Ahmed, Krishna Rao M.V., Bhukya Prakash</b>	
8	M31	Utilization of a Mixture of Waste Plastic Material and Granite Particles as a Partial Replacement of Coarse Aggregate in Concrete Blocks <b>Khaja Musab Manzoor, Shaik Asif Ali, Syed Ehteshamuddin, Ibrahim Ali, Syed Saifuddin, Haseeb Ahmed</b>	
<b>DAY 2 (27-06-2021)</b>			
<b>SESSION 3 (Miscellaneous)</b>			
<b>Keynote Lecture</b>	Dr. M.R. Madhav	Sustainable Developments - Geotechnical alternatives	09:30 to 10:00 AM
<b>Session Chair</b>	Dr. K.S. Raju, Professor, BITS, Hyderabad		
<b>Session Co-Chair</b>	Sri. R. Ranga Reddy, CBIT, Hyderabad		
<b>Session-Coordinator</b>	Mrs. K. Manasa		
<b>S.No</b>	<b>Paper ID</b>	<b>Paper Title</b>	<b>Time</b>
1	G3	An Experimental Study on the Soil Reinforced Blocks <b>Chinoori Shiva Prasad, Shireesha. k, Bhanu Kumar, and Pushpa kumari</b>	10:00 AM to 12:30 PM
2	T10	Evaluation of coir Geotextile to Reinforce the Weak Subgrade Soil under Different Loading Conditions for Low – Volume Roads <b>D. Harinder, P Yugendar, S. Shankar</b>	
3	C4	Evaluation of Water Quality Index at Gandipet Lake Surroundings	

		<b>Ramnarayan Sankrithi</b> , Saravanan Subbarayan, Aswari Sultana Begum, Allu Venkatakrishna Reddy, Banoth Naveen	
4	C5	Performance evaluation of composite coagulant in treating textile wastewater <b>E. Sakthivel</b> , R. Manoj Suburam	
5	M 59	To Study on properties of porous concrete incorporating Aloevera and Marble waste powder as a cement Replacement <b>Ankamaraju Oggu</b> , L.N.K.Sai.Madupu	
6	M69	Effect of high temperature on Coconut Fiber Reinforced Concrete <b>Avubothu Maheshwari</b> , Ponaganti Saiteja, Sunkari Ramya and Ganta Mounika	
7	M78	Experimental Study on Strength Properties of Concrete with Partial Replacement of Coarse Aggregate by Rubber Tyre Waste <b>Dhivya K</b> , Priyadharshini K	
8	M80	Experimental Behaviour Of Fibre Reinforced Self Compacting Concrete Under Cyclic Loading <b>P. Jeganmurugan</b> , A. Sree Rameswari, N. Anuja	
9	M81	A Study On Mechanical Properties Of Alkali Activated Ground Granulated Blast Furnace Slag Concrete <b>Manojsuburam R</b> , Sakthivel E, Jayanthimani E	
<b>LUNCH</b>			12:30 to 01:30 PM
<b>SESSION 4 (Structural engineering and sustainability)</b>			
<b>Keynote Lecture</b>	Dr. P. Ratish Kumar	Development of a Framework for Sustainable Materials Assessment – Way Forward	01:30 to 02:00 PM
<b>Session Chair</b>	Dr. V. Bhishma, Professor, OUCE, OU		
<b>Session Co-Chair</b>	Sri. A. Balaji Rao, CBIT, Hyderabad		
<b>Session-Coordinator</b>	Sri. P. Srinivas Reddy		
<b>S.No</b>	<b>Paper ID</b>	<b>Paper Title</b>	<b>Time</b>
1	M10	An Experimental Study on Flexural Performance of RC beams Strengthened by NSM Technique using GFRP Strips for A Resilient Infrastructure System <b>Kusuma Y</b> , Rashmi T, Nikitha Anand V and Balaji N C	02:00 PM to 04:30 PM
2	M12	Optimization of Location of Outrigger System in Tall Buildings of Different Aspect Ratios <b>Pradeep Gunda</b> , Dr. Vimala Anthugari	
3	M13	Dynamic Performance of Soft-Storey Structures with Gap Elements at Beam-Column Joints <b>Mrudula Chanumolu</b> , Dr.Vimala Anthugari	
4	M33	An experimental study on R.C beam-column joints under cyclic loading <b>Avari Nagaraju</b> , V.B. Reddy Suda	
5	M56	Mode Shape Modification Of Irregular Buildings <b>A. Balaji Rao</b> , P. Srinivas Reddy, Ch. Meghana Shaly	
6	M77	Concrete Beam with Profiled Reinforcement <b>E. Arundhava Priya</b> , N. Mohanraj, D. Sarathkumar	
7	M61	Experimental Study on Mechanical and Durability properties of Recycled Aggregate Based Geo- Polymer Concrete <b>R.Swami Ranga Reddy</b> , B. Anand Sagar Rathod	

8	M79	Experimental Study On The Behavior Of Steel Fibre When Used As A Secondary Reinforcement In Reinforced Concrete Beam <b>Pradeep kumar, M. Shahul Hameed</b>	
<b>Valedictory session</b>			04:30 to 05:00 PM