

Emerging Trends in Engineering, YUKTHI 2023 (10-12 April 2023)

Department of Civil Engineering, Government Engineering College, Kozhikode

**INTERNATIONAL CONFERENCE ON SUSTAINABLE SOLUTIONS FOR INFRA STRUCTURE DEVELOPMENT**

**PROGRAMME SCHEDULE**

<b>DAY 1- 10/04/2023 Monday -10:00 AM to 1:00 PM</b>		<b>Venue: ME-SEMINAR HALL</b>
<b>INAUGURATION</b>		
Keynote:	Prof. L S Ganesh	
	"Human Society, Development, Natural Systems and the Sustainability Imperative: What should Science, Engineering and Technology do?"	
Keynote:	Dr. Sandeep Mouvanal	
	"Applications of Computational Fluid Dynamics"	

<b>DAY 2- 11/04/2023 Tuesday -10:00 AM to 1:00 PM</b>		<b>Venue: SDPK Hall</b>
<b>Session 1: Subtrack on Structural Engineering</b>		
Keynote:	Dr. M. V. Anil Kumar , IIT Palakkad	
	"Recent developments in the design of cold formed steel compression members"	
Chair:	Dr. M Abdul Akbar, NIT Calicut	
Co-Chair:	Dr. Anjana Santhakumar, GEC Kozhikode	

<b>Sl. No.</b>	<b>Paper Id</b>	<b>Title</b>	<b>Primary Author</b>
1	102	Seismic Response Evaluation Of Irregular 6-Storey Buckling Restrained Braced Frame	Muhammed Jasir T
2	96	Post-Fire Behavior Of Cold Formed High-Strength Steel Tubular T-Joints Stiffened With Internalrings	Vysakh V.S
3	87	Structural Health Monitoring Of A Single Vertical Pole In Costal Area	Nasiyamol S
4	91	Effects On Shear And Flexural Capacity Of Corroded Prestressed Concrete Beams	Vysakh V.S
5	130	Effect Of Buckling Restrained Braces As Lateral Load Resisting System For A Rc Structure In Zone V - A Seismic Resistance Study	Bharathi Ganesh
6	4	Seismic Evaluation And Retrofitting Of Rc Corroded Structures Using Sap2000 Software In Accordance With Different Indian Guidelines	Aman Mr. Kumar

**DAY 2- 11/04/2023 -Tuesday-1:30 PM to 4:30 PM** **Venue: SDPK Hall**

**Session 2 : Subtrack on Materials and Technology**

Keynote:	Dr. Muhammad Saleem, Jubail Industrial College, KSA
	"Green Building: A concept for an optimized design to use the natural resources efficiently"
Chair:	Dr. Aslam Kunhi Mohamed, IIT Madras
Co-Chair:	Dr. Rahmathulla Noufal E, GEC Kozhikode

Sl. No.	Paper Id	Title	Author
1	44	Ranking of Human Factors Influencing Safety Performance in Kerala Construction Industry	Akhila Surendran
2	8	Blend of IoT and Extended Reality for Safety in Construction – Trend of Technology	Bharathi Ganesh
3	47	Comparative analysis of major green building rating systems and development of green building checklist	Amrutha P
4	45	BIM Collaboration Proposal for KMRL	Dona James
5	89	Application of Building Information Modelling (BIM) System for Building Construction Project	Kshitij P Upalkar
6	140	Effect of coir fibre on alccofine stabilized soil	Surya A
7	72	Willingness to Pay for Parking for Medium Sized City	Muneera C P
8	46	BIM-based BOQ Estimation & Its Comparison with Conventional Method - A Proposal for KMRL	Dyna James
9	136	Mechanical and Infiltration Characteristics of Pervious Concrete Pavement Incorporating Recycled Asphalt Pavement Aggregates	Ann Mary Kuruvila
10	143	Utilization Of Non-Woven Geotextile Sheets In Soil Stabilization	Sneha James

<b>DAY 3- 12/04/2023 -Wednesday-10:00 AM to 1:30 PM</b>	<b>Venue: SDPK Hall</b>
<b>Session 3: Subtrack on Water Resources and Environmental engineering</b>	

Keynote:	Dr. Athira P, IIT Palakkad
	"Climate Change: Regional Impact"
Chair:	Dr. George K Varghese, NIT Calicut
Co-Chair:	Dr. Sharannya T M, KSCSTE CWRDM

Sl. No.	Paper Id	Title	Author
1	24	Analysis Of Trends And Teleconnections Between Streamflow And Global Climatic Indices In Chalakudy River Basin	Bincy Chandran P
2	40	Photocatalytic Removal Of Acetaminophen Using Green Synthesized Zinc Oxide Nanoparticle	Nayanathara O S
3	59	Drinking Suitability And Source Apportionment Of Physical Parameters In Surface Water In Mahanadi Basin, Odisha	Abhijeet Das
4	60	Meteorological Drought Analysis Under Climate Change Scenario Using SPI Index	Nimisha K
5	82	Water Mains Bursting Prediction And Classification Using AI	Parthan N
6	97	Real Time Water Quality Monitoring Using Tiny ML	Kavya V R
7	177	Study On Effectiveness Of Tetrapot As Coastal Protection Structure.	Amal Salam
8	180	A Step Towards Pollution Abatement Of Kallai River Basin – A Case Study	Chaithanya K K