

**2024 Second International Conference on  
Green Energy, Environmental Engineering and Sustainable Technologies  
(ICGEST 2024)**

29 - 30, NOVEMBER 2024 | Bhilai, Chhattisgarh, India

**Program Schedule**

<b>Date</b>	<b>Time</b>	<b>Event</b>
30.11.2024	01.30 pm to 01.55 pm	Inaugural Function (ONLINE)
	02.20 pm to 04.50 pm	Session 01: CE01(Online)
		Session 02: CE02(Online)
		Session 03: ME01(Online)
		Session 04: CE03(Online)
		Session 05: BCH01(Online)

**Session Name Tracks**

*CE* - *Civil Engineering*  
*ME* - *Mechanical Engineering*  
*BCH* - *Sustainable Technology in Biochemistry*

**Note:**

1. Start time given above indicates Indian Standard Time (IST).
2. Presentation will be conducted using Google Meet platform.
3. Participants can join their respective sessions by clicking the meet link given or using passcode
4. Mode of presentation should be powerpoint presentation (ppt or pptx)
5. Duration of presentation: 10 minutes (presentation) + 5 minutes (Queries)
6. Participant SHOULD join the session at least 30 minutes prior to their scheduled time.
7. Participants are requested to follow the scheduled time; especially regarding the time for your talk.
8. Participants are requested to contact the respective session coordinators for presentation related queries.

## Session 01: CE01 - ONLINE

Date: 30.11.2024

Time: 02.20 pm to 04.50 pm

**Session Coordinator :** Ms. Nandana

**Session Chair:** Dr Anil Suman

**Session Link:** [meet.google.com/xyx-yreh-pwu](https://meet.google.com/xyx-yreh-pwu)

Time	Paper ID	Paper Title
02.20 pm	GEST 1005	Implementation of a village-wide Rainwater collection system
02.35 pm	GEST 1040	Analyzing The Strength, Durability and Microstructural Characteristics of E-Concrete Incorporating Waste Printed Circuit Boards (WPCBS) as Coarse Aggregate
02.50 pm	GEST 1055	Sustainability-Oriented Optimization Studies for Wastewater Treatment Using SBR Technology
03.05 pm	GEST 1065	Durability and microstructure analysis of ultra-fine slag blended flyash-based self-compacting geopolymer concrete
03.20 pm	GEST 1066	Investigation on the effects of Glass Fibers over GGBS based Geopolymer Concrete under Ambient Curing
03.35 pm	GEST 1078	An Investigation into The Societal Attitudes and Acceptance of Treated Waste water Reuse in an Area Experiencing Water Scarcity
03.50 pm	GEST 1091	Purification of wastewater from heavy elements
04.05 pm	GEST 2003	Assessment of the on-site wastage reduction methodologies for construction wastage management
04.20 pm	GEST 2071	Impact of adding plant leaves powder on compressive strength and corrosion rate of steel mortar
04.35 pm	GEST 3016	Enhancing Capacity and Ductility of Reinforced Concrete Column by Partially Wrapped Natural Fiber Reinforced Polymer

## Session 02: CE02 - ONLINE

Date: 30.11.2024

Time: 02.20 pm to 04.35 pm

**Session Coordinator :** Mr. K. Sivakumar

**Session Chair:** Prof. BC Rao

**Session Link :** [meet.google.com/gtc-trqd-tim](https://meet.google.com/gtc-trqd-tim)

Time	Paper ID	Paper Title
02.20 pm	GEST 3022	Optimizing Labour Contractor Choices with MCDM: A Modern Approach to Construction Management
02.35 pm	GEST 3043	The Impact of Silica Fume Addition on the Early Age Compressive and Flexural Strength of Geopolymer Mortar with Various Binders
02.50 pm	GEST 3044	Microstructure analysis of cement pastes and high-strength concrete incorporated diatomaceous earth damaged due to Na <sub>2</sub> SO <sub>4</sub> attack
03.05 pm	GEST 4010	Innovative concepts of digitisation and digitalisation in the multimodal transportation organisation
03.20 pm	GEST 4021	The Impact of High Temperatures on the Strength of Recycled Aggregate Concrete
03.35 pm	GEST 4027	Sustainable application of medicinal residue as a replacement substrate for Gray Oyster mushroom ( <i>Pleurotus ostreatus</i> ) cultivation
03.50 pm	GEST 4030	The competitiveness of machine-building enterprises: current state and prospects for development
04.05 pm	GEST 4041	Unexplored Carbon Sink Potential? Exploring Pathways to Integrate Peatland Restoration into CDM and REDD+ Mechanisms
04.20 pm	GEST 4050	Youth Perspectives on Urban Air Pollution: Awareness, Concern, and Social Action in Ho Chi Minh City

### Session 03: ME01 - ONLINE

Date: 30.11.2024

Time: 02.20 pm to 04.50 pm

**Session Chair(s) :** 1. Dr. K. Dhayalini  
2. Dr Ajay Verma

**Session Link:** <https://meet.google.com/ejj-pxmb-hav>

Time	Paper ID	Paper Title
02.20 pm	GEST 2065	Towards a methodology for optimizing indicator indicators of the working process of diesel locomotive diesel engines
02.35 pm	GEST 2066	Towards the development of regime cards for driving trains using of locomotives of diesel tractions
02.50 pm	GEST 2067	Justification for choosing the optimal technology for controlling the transportation operation of locomotives
03.05 pm	GEST 3009	Modelling the delivery of special cargo categories as a mandatory component of an intelligent transport system
03.20 pm	GEST 3021	Resolving Pigging Stalls in Low-Pressure Offshore Gas Pipelines: A Case Study on Pressure Optimization at Offshore Southeast Sumatra, Indonesia
03.35 pm	GEST 3027	Preliminary Study on Emission Reduction in Diesel Engine Using Hydrogen
03.50 pm	GEST 3094	Energy Saving Potential of Hybrid Propulsion System for Fishing Vessels in Indonesia
04.05 pm	GEST 4003	Innovatisation of transport and logistics services as one of the key goals of Industry 5.0
04.20 pm	GEST 4011	Demonstration of a nonlinear dynamic model of traffic flow planning in intelligent transport systems
04.35 pm	GEST 4022	A Green Rheology Modifier for Aqueous Drilling Fluids

## Session 04: CE03 – ONLINE

Date: 30.11.2024

Time: 02.20 pm to 04.35 pm

**Session Coordinator** : Ms. T. Saritha

**Session Chair** : Dr. Laxman Sondhi

**Session Link:** [meet.google.com/osy-vafm-pgx](https://meet.google.com/osy-vafm-pgx)

Time	Paper ID	Paper Title
02.20 pm	GEST 4038	Micronutrients Management in sandy soils through organic materials enriched with multi micronutrients
02.35 pm	GEST 3060	Utilizing Crushed Stone Waste in Stabilization of Expansive Clay for Sustainable Development
02.50 pm	GEST 4013	Performance Evaluation of Concrete Using Recycled Coarse Aggregate and Sea Sand as Sustainable Alternatives
03.05 pm	GEST 3090	Optimizing Fiber-Reinforced Geopolymer Concrete for Sustainable Construction Practices
03.20 pm	GEST 4004	Analyzing Strategies for Climate Change Mitigation: An ISM MICMAC Approach with a Focus on Sustainable Development
03.35 pm	GEST 3023	Tensile & Flexural Behaviour of Self-Compacting Concrete Using Hybridization of Steel fibers and Stainless Steel Scrap
03.50 pm	GEST 5004	A Provisional Mix Design of Porous Asphalt Pavement Using Crumb Rubber Modified Bituminous Mixes
04.05 pm	GEST 5005	Exploring the Impact of Technology Adoption and Environmental Noise Pollution on Elderly Patients with Non-Communicable Diseases in Malaysia
04.20 pm	GEST 5011	Project Management Information System Using Design Thinking for Micro-construction Enterprises

## Session 05: BCH01 – ONLINE

Date: 30.11.2024

Time: 02.20 am to 04.35 pm

**Session Chair(s) :** 1. Dr. Ramya M  
2. Dr. Shimpy Ralhan

**Session Link:** [meet.google.com/nbo-hhqb-ceg](https://meet.google.com/nbo-hhqb-ceg)

Time	Paper ID	Paper Title
02.20 pm	GEST 1092	A Study of Some Biochemistry Parameters in Blood Serum of Patients With Chronic Renal Failure
02.35 pm	GEST 1093	Determination of paraoxonase enzyme and magnesium in women with arthritis in Balad city and evaluation of the correlation between them
02.50 pm	GEST 3019	Research on using vegetable oil-ethanol mixture as fuel for diesel engine driving generator
03.05 pm	GEST 3068	Batch adsorption processes of chloride and sulphate anions from aqueous solutions using natural stone powder
03.20 pm	GEST 3074	Green approach for corrosion inhibition for Fe metal in acidic medium using Banaba leaves(Lagerstroemia speciosa) extract and ZnO nanoparticles
03.35 pm	GEST 3075	Bioremediation of synthetic dairy effluent using microalgae for biomass production and the removal of organic pollution load
03.50 pm	GEST 3062	Advancing Supercapacitors with Coconut Rachis Activated Carbon: A Sustainable Electrode Material
04.05 pm	GEST 3057	Experimental study on Performance and Emission characteristics of a Diesel Engine Using Diesel-Jatropha biodiesel blended with Ethylene Glycol Diacetate additive
04.20 pm	GEST 5002	Sustainable Synthesis of Silver Nanoparticles Using Brassica oleracea (Broccoli) Extract for the Removal of Sodium Lauryl Sulfate