



5th International Conference on

Climate Change and Sustainability

November 10-11, 2025 | Dubai, UAE

Venue: Novotel Dubai Al Barsha



climatechange@averconferences.com
<https://climatechange.averconferences.com/>

Day 1: November 10, 2025 - Monday

Meeting Hall: Diamond

09:15 - 16:00 **Registrations & Badge Collection**

09:15 - 09:30 **Opening Ceremony**

Keynote Forum

09:30 - 10:00 **Title: Climate Change: Key Challenges & Initiatives**

Prof. Dr. Gopal Pathak, Director General, Sarala Birla University, Ranchi, Jharkhand, India

10:00 - 10:30 **Title: Innovative trends in shifting agriculture by Mizo tribes of North-east India under changing climate**

Prof. Shri Kant Tripathi, Department of Forestry, Mizoram University, Mizoram, India

10:30 - 10:55 **Title: Climate Change in South Asia: Migration and Tensions**

Dr. Amit Ranjan, Institute of South Asian Studies, Singapore

Group Photo

Networking & Refreshment Break 10:55-11:15

Session Chair: Prof. Dr. Gopal Pathak, Director General, Sarala Birla University, Ranchi, Jharkhand, India

Plenary Sessions

11:15 - 11:40 **Title: Carbon Capture and Sequestration: Strategies, Challenges, and the Role of Digitization in Engineering and Infrastructure**

Ms. Sirine Dia, MEA Senior Executive, Engineering and Business Leader, UAE

11:40 - 12:05 **Title: Geospatial mapping and spatial optimization to identify optimal locations to set up new LIB recycling facilities in India**

Ms. Ritika Verma, Research Associate, Indian Council for Research on International Economic Relations (ICRIER), India

12:05 - 12:20 **Title: The impact of Coal Industries on climate change and its mitigation with reference to the coal industries of India**

Mrs. Sweta Sinha, Sarala Birla University, Ranchi, India

12:20 - 12:45 **Title: Integrated Mobile Pre-Processing and IoT-Enabled Bio-Compressed Biogas (CBG) System: A Decentralized Model for Zero Waste to Landfill Bulk Waste Management**

Dr. Sameer Sharma, Swaaha Resource Management Pvt Ltd, India

12:45 - 13:00 **Title: "Lights, Camera, Climate Action" - Showcasing Sustainable Lifestyles and Climate-Friendly Behavior On-Screen in Bollywood Films**

Ms. Simran Monga, Hieco Center for Design and Learning, Dubai

Lunch Break @13:00 - 14:00

Session Chair: Prof. Shri Kant Tripathi, Department of Forestry, Mizoram University, Mizoram, India

14:00 - 14:25 **Title: Using models to assess the climate change impacts on the Nordic Sea circulation and its connection to the UK shelf seas**

Dr. Parvathi Vallivattathillam, Physical Oceanographer, National Oceanography Center, Liverpool, UK

14:25 - 14:50 **Title: Developing and Delivering Carbon Literacy for Higher Education in the UAE**

Mr. David May, Senior Instructor, Zayed University, Dubai

14:50 - 15:15 **Title: Tree Rings as Archives of Climate Influence and Environmental Stress in Northeast India**

Dr. Keshav Kumar Upadhyay, Department of Forestry, Mizoram University, Mizoram University, Mizoram, India

15:15 - 15:40 **Title: Utilization of Industrially Produced Carbon Dioxide in Controlled Environment Agriculture Facilities for Food Security Enhancement and Climate Change Mitigation**

Dr. Krishna Kumar Sugumaran, Kuwait Institute for Scientific Research, Kuwait

Networking & Refreshment Break 15:40-15:55

15:55 - 16:10	Title: Role of Medicinal Tree Species in Carbon Sequestration in Urban Ecosystem: A Nature-Based Solution for Soil Restoration of Urban Degraded Land in Dry Tropics. Ms. Amrita Kumari, Banaras Hindu University, India
16:10 - 16:35	Title: Sustainable Development in the Era of Climate Change: Pathways, Policies, and Challenges Dr. Bimbisar Dayanand Waghmare, Netaji Subhashchandra Bose Arts, Commerce & Science College, Maharashtra, India
16:35 - 16:55	Title: Implications of using EDTA as a chelator in tannery-affected soil for heavy metal cleanup Dr. P.A. Shahidha, Assistant Professor, Kerala Agricultural University, Kerala, India
16:55 - 17:10	Title: Air Quality During War Rocket Launch: Evidence from Israel Dr. Sarit Agami, Hebrew University, Israel
17:10 - 17:20	Title: Restoration of Urban Degraded Lands Through Tree Plantations: Insights into Dynamics of Soil CO₂-C flux and Carbon Storage Mr. Rahul Kumar, Banaras Hindu University, India
17:20 - 17:30	Title: Ecosystem Service Valuation and Climate Finance: Unlocking Resilience Dividends in Delhi's Urban Wetlands Ms. Shelja Alawadhi, The Energy and Resource Institute- School of Advanced Sciences, India
17:30 - 17:45	Title: Evaluating the Role of Exogenous Amendments on Soil Quality: A Climate-Smart Agriculture Approach Ms. Nidhi Singh, Banaras Hindu University, India
17:45 - 18:00	Certificate Presentation - Meeting Adjourns