

7th International Conference on

ENVIRONMENTAL SUSTAINABILITY AND CLIMATE CHANGE

August 19-20, 2024

South Point Hotel, Casino & Spa, Las Vegas, USA

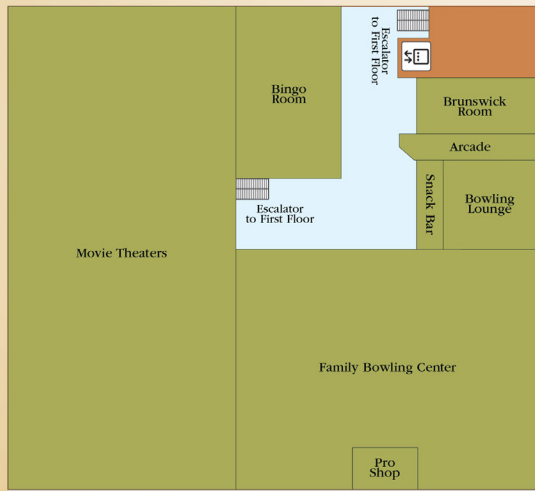


Conference Hall

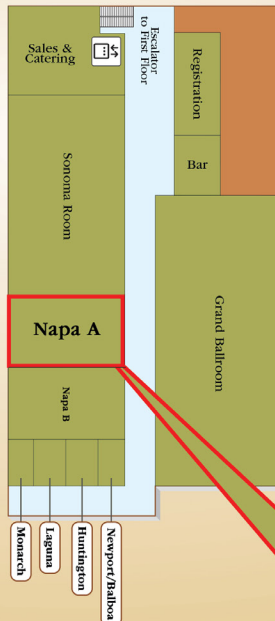
Second Floor



Bingo, Bowling, Snack Bar, Arcade, Movie Theaters & Brunswick Room

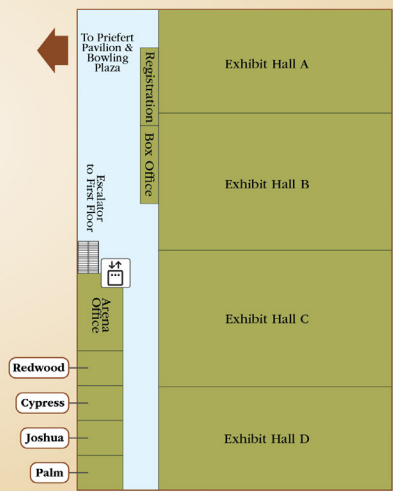


Conference Center



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Exhibit Halls



Conference Hall

First Floor on Reverse Side

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Wi-Fi Details:

Username: Southpointmeetingrooms
Password not required - Open Wi-Fi

Scientific Program

7th International Conference on **Environmental Sustainability and Climate Change**

Day-1 : August 19, 2024

Meeting Hall : Napa A

08:00 - 08:45 Registrations

08:45 - 09:00 Opening Ceremony and Introduction

Keynote Presentations

09:00 - 09:40 Multi-Scale Modeling of Coupled Hydrological and Biogeochemical Processes in Watersheds

Junye Wang, Athabasca University, Canada

09:40 - 10:20 Land Management of Oxisols to Support Carbon Sequestration

Michael Aide, Southeast Missouri State University, USA

Networking & Refreshments (10.20 - 11.00) @ Napa Hallway

Oral Presentations

Session Chair **Junye Wang**, Athabasca University, Canada

Session Chair **Michael Aide**, Southeast Missouri State University, USA

Sessions:

Environmental Sustainability and Development | Environmental Pollution and Control | Climate Change and Health | Climate Change Risk, Policy and Law | Recycling and Waste Management | Renewable Energy and Resources | Earth and Environmental Science | Toxicology and Environment Health

11.00 - 11.30 Examination of Maize Water Availability Depending on Climate Change

Éva Horváth and Adrienn Kakuszi-Széles, University of Debrecen, Hungary

11.30 - 12.00 Climate Change, Air Contaminants, and Long-COVID. An Innovative Program to Assist Healthcare Providers Protect COVID-19 Patients

John Kraemer, Southeast Missouri State University, USA

12.00 - 12.30 Energy Efficiency and Environmental Assessment of a Non-Profit Facility in Albuquerque, New Mexico

Jalal Rastegary, New Mexico State University, USA

12:30 - 13:00 The Renewable Portfolio Standards and Climate Change

Osei Agyeman Yeboah and Kwadwo Antwi-Wiafe, L.C. Cooper Jr. International Trade Center, North Carolina A&T State University, USA

Group Photo: 13.00 - 13.15

Lunch (13.15 - 14.00) @ Napa Hallway

14:00 - 14:30 Impact of Climate Change on Surface Water Status in Lithuania

Laima Cesoniene, Vytautas Magnus University, Lithuania

14:30 - 15:00 Integrating Nanoplastics Toxicity into Nanotoxicology through Data Mining and Machine Learning

Bing Yan, Guangzhou University, China

15:00 - 15:30 Fe₃O₄ Nanoparticles Enhancement of Bio-Hydrogen Production from Rice Straw

Christian Toochukwu Ogbonna, University of Tsukuba, Japan

15:30 - 16:00 Greenwashing and Fast Fashion Brands: Perception Among Young Adult Consumers

Vibha Yadav, Lady Irwin College, University of Delhi, India

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Networking & Refreshments (16:00 - 16:30) @ Napa Hallway

16:30 - 17:00	Organisational Life Cycle Assessment of Textile Manufacturing Units: Need of the Hour Vibha Yadav , Lady Irwin College, University of Delhi, India
17:00 - 17:30	Cellulose-based Hydrogels for Water Harvesting from Moist Air Simeng Li , California State Polytechnic University, USA

Poster Presentation (17:30 - 18:00)

POSTER 01	Earthworms (Clitellata: <i>Lumbricidae</i>) of the Balkan Peninsula: A Review Tanja Trakic , University of Kragujevac, Serbia
POSTER 02	Breathing in Change: The Continuous Problem of Air Pollution in Kazakhstan Islam Suleimen , Northwestern University, USA

Day 1 Concludes followed by Certificate Felicitation

7th International Conference on **Environmental Sustainability and Climate Change**

Day 2 - August 20, 2024

Meeting Hall : Napa A

Keynote Presentations

- 09:00 - 09:40 **Improving Methane Yield during Anaerobic Digestion of Wet Organic Waste**
Birgitte K Ahring, Bio-Products, Sciences and Engineering Laboratory (BSEL), Washington State University, USA
- 09:40 - 10:20 **Response Surface Methodology for Membrane Bioreactor in Wastewater Treatment**
Sarra Kitanou, Ibn Tofail University, Morocco

Networking & Refreshments (10.20 - 11.00) @ Napa Hallway

- 11:00 - 11:40 **Unlocking the Potential of Phosphate Industry and Tannery Waste: Synthesis of Functional Metal-Organic Frameworks, Mesoporous Silicas, and Zeolite via a Sustainable Industry Residue Valorization Route**
Youssef Belmabkhout, University Mohammed VI Polytechnic (UM6P), Morocco
- 11:40 - 12:20 **AI in Advance Society: An Intelligent Method for Optimizing Environmental Events**
Madjid Fathi, University of Siegen, Germany

Oral Presentations

- Session Chairs **Junbom Park**, Seoul National University, South Korea
Yim Mongtoeun, Royal University of Phnom Penh, Cambodia

Sessions:

Environmental Sustainability and Development | Biodiversity, Ecology and Ecosystems | Carbon Cycle and Carbon Footprint | Climate Change Risk, Policy and Law | Coastal Zones and Ocean Science | Agriculture and Bioresources | Recycling and Waste Treatment Technologies | Recycling – Reduce, Reuse and Recovery | Waste to Energy | Waste Water Treatments | Hazardous Waste Management | Paper Recycling | Solid Waste Management

- 12:20 - 12:50 **Mechanism of White Phosphorus Production by Silicon Reduction from Iron Phosphate and Aluminum Phosphate**
Kazuki Nakayoku, Ristumeikan University, Japan
- 12:50 - 13:20 **Elemental Phosphorus Production from Steel Dephosphorization Slag using Silicon Sludge**
Shunsuke Kashiwakura, Ritsumeikan University, Japan

Lunch (13:20 - 14:00) @ Napa Hallway

- 14:00 - 14:30 **Recovery of a Hydraulic Binder (Belite Cement) and Pure Aggregates from Waste Concrete for a Zero CO₂-“Green Concrete”**
Winfried Malorny, Wismar University of Applied Sciences, Germany
- 14:30 - 15:00 **Suppression of Hexavalent Chromium (Cr(VI)) release from Cement by In-situ CO₂ Mixing**
Junbom Park, Seoul National University, South Korea
- 15:00 - 15:30 **Enhancing Ghana’s REDD+ MRV Processes through the Estimation of Above-Ground Biomass Using Random Forest Regression Model in Google Earth Engine**
Naa Dedei Tagoe, University of Mines and Technology, Ghana

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15:30 - 16:00	Impacts of Climate Change in Türkiye and USA and How Farmers are Adapting? Funda Yoldas , Ege University, Turkey and California State University, USA
Networking & Refreshments (16:00 - 16:30) @ Napa Hallway	
16:30 - 17:00	Enhancing Fine Particle Recovery in the Froth Flotation Process with Hydrophobized Glass Bubble Claudio Acuña-Pérez , Técnica Federico Santa María University, Chile
17:00 - 17:30	Current Status of E-Waste: A Case of Toul Kork District, Phnom Penh, Cambodia Yim Mongtoeun , Royal University of Phnom Penh, Cambodia
17:30 - 18:00	Transboundary Governance issues of Coastal Habitat in Cambodia – Vietnam Coastal Zone Hoy Sereivathanak Reasey , Royal University of Phnom Penh (RUPP), Cambodia
18:00 - 18:30	Membrane Bioreactor Versus Activated Sludge Process for Aerobic Wastewater Treatment and Recycling Sarra Kitanou , Ibn Tofail University, Morocco
18:30 - 19:00	Organisational Life Cycle Assessment of Textile Manufacturing Units: Need of the Hour Vibha Yadav , Lady Irwin College, University of Delhi, India
Poster Presentation	
Poster Judges	Myriam Ertz , LaboNFC, University of Quebec at Chicoutimi, Canada Abhijeet P Borole , Electro-Active Technologies, Inc., USA
Poster - 1	Analysis of Decomposition of Bioplastic Bags in Compost Crystal Cheng , Torrey Pines High School, USA Bryan Huang , Alan Zhang and Max Yang, Canyon Crest Academy, USA
E-Poster Presentation	
E-Poster	Evaluation of the Use of Coffee Husk and Coconut Fiber in Soil Conservation in Areas Susceptible to Desertification Vinicius Pedro de Souza , Institute Federal of Espirito Santo, USA
Video Presentations	
Video 01	Efficient Chemical Recycling of Waste Polyethylene Terephthalate Muhamad Rabnawaz , Michigan State University, USA
Video 02	On Paper Coating and Recycling Muhamad Rabnawaz , Michigan State University, USA
Day 2 Concludes followed by Vote of Thanks & Awards Ceremony	

Virtual Program

7th International Conference on **Environmental Sustainability and Climate Change**

Virtual Presentations

August 19, 2024 | British Summer Time (BST)

Keynote Presentation

12:00 - 12:40 Reforming of Lignocellulosic Biomass Waste for Cogeneration of Green Chemicals and Green Hydrogen
Hong Li, Nanyang Technological University, Singapore

Oral Presentations

12:40 - 13:00 Ecotoxicity Assessment of Consumer Product-Driven Contaminant Particles in a Marine Environment
Sung Hee Joo, Metropolitan State University of Denver, USA

13:00 - 13:20 An Assessment of Alternate Fertilizer Potential of Glauconite Deposits in India using Simple Beneficiation Methods
Tehreen Shaikh, Indian Institute of Technology Bombay, India

13:20 - 13:40 Water Quality Index (WQI) of the Engenheiro Ávidos Dam, located in the Piranhas River Basin, Brazilian Semiarid
Érika Alves Tavares Marques, Universidade Federal de Pernambuco, Brazil

13:40 - 14:00 Philosophical Considerations of Sustainability
Paul Comet, Comet Environmental Consulting, USA

14:00 - 14:20 Reversing Global Heat Accumulation by Researching Recent Paleoclimatology
Thomas F Valone, Integrity Research Institute, USA

14:20 - 14:40 Distribution of Vectors of American Visceral Leishmaniasis in the State of Rio De Janeiro/ Brazil: Municipal Vulnerability for Transmission, Ecological Niche Modelling and Predicted Geographic Distribution
Elizabeth Ferreira Rangel, Instituto Oswaldo Cruz, FIOCRUZ, Brazil

14:40 - 15:00 The Effects of Climate Change on Health in Kenya: Challenges and Prospects
Peter Imatari Emoit, Dublin City University, Ireland

15:00 - 15:20 The Regionally Optimized Schedule of Supply and Demand for Energy Resources with Impacts on Economic and Environmental Sustainability
Fardin Farahnak, Iranian Ministry of Energy, Iran

15:20 - 15:40 Scaler Theoretical and Practical Implications of Plastic Waste Segregation and Disposal Practices at the University of Ghana Campus
Victoria Nyebe Sika, University of Ghana, Ghana

15:40 - 16:00 Evaluation of Environmental Burdens and Potential Decarbonizing Opportunities for Steel Manufacturing in Pakistan
Shamraiz Ahmad, Sant'Anna School of Advanced Studies, Italy

16:00 - 16:20 Beyond the Hue: Navigating the Impacts of Synthetic Dyes and Pathways to Sustainable Solutions
Madhuri Nigam, Lady Irwin College, University of Delhi, India

16:20 - 16:40 Low-Cost Activated Carbon from Nitrile Butadiene Rubber Gloves Waste and its Application for the Removal of Phenol in Wastewater
K C Nedzivhe-Mqhehe, University of Johannesburg, South Africa

Day-1 Concludes

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Day-2: August 20, 2024

Oral Presentations

12:00 - 12:20	A Comparative National-Level Analysis of Government Food System Resilience Activities across Four Developed Countries at Varying Stages of Planning Jane Lloyd , Springhouse Consulting, New Zealand
12:20 - 12:40	Scope 3 Decarbonation, Role of Microalgae, Constraints and Solutions Jean-Louis Roux Dit Buisson , NeoCarbons SA, ZHAW, Switzerland
12:40 - 13:00	Climate Solutions and Sustainable Entrepreneurship: A Bibliometric Review of Published Articles in 2023 Ebenezer Takyi , University of Liverpool, UK
13:00 - 13:20	Study of Degradability and Green Waste Management of Polyethylene Bochu Du and Ying Ji , Hong Kong Polytechnic University, Hong Kong
13:20 - 13:40	Recycling Trends and Challenges in the Baltic States Natalija Cudecka-Purina , BA School of Business and Finance, Latvia
13:40 - 14:00	Treatment of Substandard Rocket Fuel 1,1-Dimethylhydrazine via its Methylene Derivative into Heterocycles Based on Pyrrolo-[3,4c] Quinolines, Cyclododeca[b]piran and Pyrrole Elizaveta Sergeevna Ivanova , Ulyanov Chuvash State University, Russia
14:00 - 14:20	Examining Long Term Environmental and Financial Impacts of Missing Highway Connectors Orianne K Wang , Westview High School, USA
14:20 - 14:40	Increased Atmospheric CO ₂ Transfer to Soil through Mixing of Functionally Diverse Plants during Reforestation and Fallow (Ivory Coast and Congo) Armand W Koné , UFR Sciences de la Nature, Université NANGUI ABROGOUA, Ivory Coast
14:40 - 15:00	People's Perception on Depletion and Degradation on Water Resource in Patna and Kendujhargarh Block of Kendujhar District, Odisha, India - Climate Change Perspective Ranjan K Mallick , Ravenshaw University, India
15:00 - 15:20	Understanding the Impacts of Climate Change on African Indigenous Communities and Examples of Mitigation/Adaptation Responses: Case of the Baka and Bantous Local People Living at the Periphery of the Dja Biosphere Reserve Nwafi Ngeayi Adi , ACOBIDER, Cameroon
15:20 - 15:40	Swot Analysis and Strategies to Develop Projects Sustainability in Jordan Reham M Alregeb , Aljiza Municipality, Jordan
15:40 - 16:00	An Assessment of Geotextiles' Effectiveness as an Earthen Reinforcement in Soil Structures Ravi Ande , Lady Irwin College, University of Delhi, India
16:00 - 16:20	Hydrologic Modeling and Risk Assessment for Urbanized Floods of Hyderabad City Ravi Ande , Lady Irwin College, University of Delhi, India

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16:20 - 16:40	A Study Examining the Load-Settling Behaviour of an Interface's Geotextile and Flyash-Covered Clay Subgrade Embankment Ravi Ande , Lady Irwin College, University of Delhi, India
16:40 - 17:00	The Driving Factors of Corporate Carbon Emissions: An Application of the LASSO Model with Survey Data (Cancelled) Helen Huifen Cai and Yongle Chen , Middlesex University Business School, UK and Zhejiang Xinheyi Biotechnology Co.Ltd. China
17:00 - 17:20	Beyond the Hue: Navigating the Impacts of Synthetic Dyes and Pathways to Sustainable Solutions Madhuri Nigam , Lady Irwin College, University of Delhi, India
17:20 - 17:40	Photovoltaic Performance of p-type Dye-Sensitised Solar Cells Based on Solid and Flexible Electrode Systems Habtamu Fekadu Etefa , Walter Sisulu University, South Africa

Day-2 Concludes followed by Vote of Thanks

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Note

Bookmark The Dates

8th International Conference on
**Environmental Sustainability
and Climate Change**

June 16-17, 2025 | Rome, Italy

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