

# TENTATIVE PROGRAM



## International Conference on **Environmental Sustainability Through Waste and Recycling**

April 10-12 , 2023



Last Updated: March 20, 2023

Last minute changes due to functional, private, or organizational needs can be necessary. The event organizer accepts no liability for any additional costs caused by a change of program.

## Scientific Sessions

- \*Waste Water Treatment
- \*Plastic & Paper Recycling Technology
- \*Food and Agricultural Waste Recycling
- \*Reduce, Reuse and Recycle
- \*Waste to Energy
- \*Zero Waste
- \*Resource Recovery
- \*Waste Management technologies
- \*Recycling Methods
- \*Environmental Impact
- \*Transitioning to Circular Economy

- \*Sustainable Practices
- \*Governance, Regulations and Policies
- \*Economic Challenges
- \*Incineration and Landfills
- \*Environmental Modelling
- \*Digitizing the Waste Industry
- \*Technology and Innovation
- \*Operational Complications
- \*Effects of 3R's in climatic change
- \*Community Trends and Behavioral Habits

## Keynotes



**Paul Palmer**  
President at Zero Waste Institute, San Francisco, CA

**Title:** Getting to Zero Waste



**Chris Bradley**  
Orora Packaging Solutions, Orinda, CA

**Title:** The Future of Sustainable Packaging Ibrahim Abdallah Ibrahim Abdallah



**Hong Liu**  
Oregon State University , Corvallis, OR

**Title:** Machine Learning: a promising approach for managing the



**Frank Severson**  
CalRecycle , San Francisco, CA

**Title:** Building the Circular Economy in California



**Angie Crone**  
Upcycled Food Association , San Francisco, CA

**Title:** Role of Upcycling in Reducing Food Waste Streams



**Birgitte K. Ahring**  
Washington State University, Pullman, WA

**Title:** An Innovative New Concept for Enhanced Recycling and

## Oral Presentations

Subtle Early-Warning Indicators of Landfill Subsurface Thermal Events

**Andy Davis**, Geomega, Boulder, CO

Separation and Recovery of Organics from Hydraulic Fracturing Wastewater Using Deep Eutect

**Elnaz Nikooei**, Oregon State University, Corvallis, OR

Title will be updated soon!!!!

**Brian D'Souza**, WTS, Inc, Lewiston, NY

Title will be updated soon!!!!

**Dan Shuler**, WTS, Inc, Lewiston, NY

Maintaining a Campus Materials Recovery and Waste Program Through Tumultuous Times

**Maximilian Christman**, California Institute of Technology, San Francisco, CA

Protecting the Planet and Providing for Our One Human Family

**Eve Birge**, White Pony Express, Pleasant Hill, CA

Beyond Recycling: Exploring the Latest Trends and Startups in Waste Management

**Lainika Johnson**, TrashLogic, Carmichael ,CA

Title will be updated soon!!!!

**Sara Fuentes**, Smart Waste, San Francisco, CA

Title will be updated soon!!!!

**Allie Hoffman**, We Don't Waste, Denver, CO

Assessing and Managing the Direct and Indirect Emissions from Electric and Fossil-Powered

**Adekunle Mofolasayo**, University of Alberta, Canada

Title will be updated soon!!!!

**Shulin Chen**, Washington State University, Pullman, WA

Tackling the hidden problem of pre-consumer plastic wrap in retail

**Matthew Clough**, Plastic Beach, Encinitas, CA

High-Throughput Activity-based Assay for Detection and Monitoring of Endocrine Disrupting

**Diana Stavreva**, NCI, NIH, Bethesda, MD

Process integration for biofuels production from organic wastewater: an attempt toward

**Chandan Mahata**, Virginia Polytechnic Institute and State University, Blacksburg, VA

Intentionally and non-intentionally added substances from post-consumer

**Greg Curtzwiler**, Iowa State University, Ames, IA

Proactive Waste Management and Landfill Monitoring

**Rouzbeh Nazari**, University of Alabama, Birmingham, AL

Injectivity of CO<sub>2</sub> Disposal Wells in Frac-Packed Low-Temperature Low-Permeability Undergr

**Boyun Guo**, University of Louisiana, Lafayette, LA

Evaluation of on-farm centrifuge and screen on removing solids and nutrients and reducing

**Lide Chen**, University of Idaho, Moscow, Idaho

George Mason University (Mason's) Sustainability Program through Mechanical

**Shaghayegh Bagheri**, George Mason University, Fairfax, VA

Specification product & packaging data: key driver for sustainability succes

**Matthew Wright**, Specright, Tustin, CA

Recycling of plastics and rubber wastes

**Denis Rodrigue**, Université Laval, Canada

Paper ash reuse in concrete

**Essia Belhaj**, INSA de Strasbourg, France

Investigation of low-carbon footprint diluents in solvent extraction for lithium-ion battery recy

**Abdoulaye Maihatchi Ahamed**, Université de Lorraine, France

Tox-Free-Environment – EU Chemical's Strategy - Demands and Solutions to recycle more Pla

**Beate Kummer**, Kummer umwelt:kommunikation GmbH, Germany

Willingness to pay for solid waste management improvement in Hawassa city, Ethiopia

**Samuel Elias Kayamo**, University of Hohenheim, Germany

Enhancement of power generation in plant microbial fuel cells using  
**Wilgince Apollon**, Universidad Autónoma de Nuevo León, Mexico

World development and generation of waste  
**Ronaldo Rosales Mendoza**, Universidade Federal do Pará, Brazil

Diffusion of ions in a sediment amended with sugarcane biochar pyrolyzed at different Temperatures  
**Luis Reynaldo Alleoni**, University of Sao Paulo, Brazil

Lead as a pollutant in waters of Pardo River basin  
**Daniel Marcos Bonotto**, Universidade Estadual Paulista, Brazil

Development of sanitation actions and lessons learned from a tailings dam collapse: The case of Vale SA  
**Roberta Nunes Guimaraes**, Vale SA, Brazil

Applying sustainability and circular economy concepts to sewage sludge management  
**Spinosa Ludovico**, CNR Senior Scientist (retired), ISO and CEN Expert, Italy

Developing a work-in-progress design methodology to foster the creation of industrial products  
**Luca Alessandrini**, Politecnico di Milano, Italy

Sustainability Supply Chain Management: Systematic Literature Review  
**Ferry Jie**, Edith Cowan University, Australia

Need for a Systemic Intervention in the Way We Manage Our Urban Water for transitioning to a circular economy  
**Reba Paul**, Institute for Sustainable Futures, the University of Technology Sydney, Australia

Refractory waste in universities and research institutes: Challenge for osmium waste using green chemistry  
**Tepei Nunoura**, The University of Tokyo, Japan

Altruistic for natural environment and life satisfaction: evidence from 37 nations  
**Xiangdan PIAO**, Iwate University, Japan

Evaluation of the reuse of treated wastewater by two-stages system for safe food production  
**Samir Gadow**, Tohoku University, Japan

Title to be announced  
**John Texter**, Eastern Michigan University, Ypsilanti, MI

Valorization of paper mill sludge to biodegradable materials: A sustainable approach to PMS management  
**Jing Li**, Beijing Technology and Business University, China

Evaluation and selection of CMIP6 climate models in Upper Awash Basin (UBA), Ethiopia  
**Selamawit Gebresellase**, Hohai University, China

Forecasting Long-term Series of Palmer Drought Severity Index using Hybrid models  
**Ahmed Ebeltagi**, Zhejiang University, China

The role of environmental Innovation in Sustainable Development: Evidence from the Belt and Road initiative countries  
**Hayat khan**, Zhejiang University of Science and Technology, China

Deoxygenation of DMT(Dimethyl terephthalate) as polyethylene terephthalate model compound  
**Seung-Soo Kim**, Kangwon National University, South Korea

All-green, Hydro-stable, Degradable Straws and Thermoset Films for Sustainable  
**Jaehwan Kim**, Inha University, South Korea

Recovery of carbon materials from spent secondary battery  
**Joo-II Park**, Hanbat National University, South Korea

Application of EDTA capped magnetic nanoparticles as draw solute in forward osmosis for  
**Nosheen Asghar**, Sungkyunkwan university, South Korea

Circular Economy Indicators as Supporting Tool for Regional Development  
**Osborn Agyenim Boateng**, University of Pardubice, Czech Republic

Removal of toxic heavy metals in wastewater using graphene and its derivatives  
**Mohsen Ahmadipour**, Universiti Kebangsaan, Malaysia

Recycled poly(ethylene terephthalate) blends and composites  
**Norhayani Othman**, Universiti Teknologi, Malaysia

Hybrid Artificial Intelligence models in drought prediction for assessing Impact on Renewable  
**Md Munir Hayet Khan**, INTI International University, Malaysia

Plasma Gasification Of Sewage Sludge - An Experimental Setup  
**Joana Carvalho**, CVR - Centro para a Valorizaaao de Resíduos, Portugal

AMBWTE PROJECT - BIOMASS & WASTE-TO-ENERGY SYSTEM  
**Andre Ribeiro**, CVR - Centro para a Valorizacao de Resíduos, Portugal

Circular Economy Applied To The Construction Sector: Incorporation Of Industrial Waste Into  
**Margarida Soares**, CVR - Centro para a Valorizacao de Resíduos, Portugal

Title to be announced  
**Nuno Miguel Freitas Pacheco**, CVR - Centro para a Valorizacao de Resíduos, Portugal

Title to be announced  
**Jorge Araujo**, CVR - Centro para a Valorizacao de Resíduos, Portugal

Title to be announced  
**Lucas Nascimento**, CVR - Centro para a Valorizacao de Resíduos, Portugal

A green production process of nano-size zero valent iron (nZVI) for contaminant removal  
**Chi-Wang Li**, Tamkang University, Taiwan

Identification and characterization of Peruvian native bacterialstrains as bioremediation of Hg-  
**Patricia Yaneth Lopez Casaperalta De Diaz**, Universidad Católica de Santa María, Peru

From trash caves to recycling in 30 years – a Finnish perspective on consumption, modification  
**Maria Hofman-Bergholm**, Centria University of Applied Sciences, Finland

Whole campus wastewater surveillance of SARS-CoV-2 for COVID-19 outbreak management

**Yehonatan Sharaby**, University of Haifa, Israel

Adsorption study of U(VI) ion from waste water using Melamine-Formaldehyde (MF)-AspDOT

**Ofra PAZ TAL**, NRCN, Israel

Title Will Be Updated Soon!!!!

**Salum Shaaban Tawakal**, Zanzibar Association of Climate Change Alliance, Tanzania

An Evaluation of Foundation Solutions for Expansive Soils: A Comparative Study between Gran

**Ammar Njeeb Alnmr**, Szechenye istivan university, Hungary

Industrial Smart Home Energy Management: Status, Challenge and Future Research Opportun

**Dodo Yakubu Aminu**, Najran University ,Najran University

Industrial Smart Home Energy Management: Status, Challenge and Future Research Opportun

**Badr Saad Alotaibi**, Najran University ,Najran University

Navigating 1383 in Regards to Businesses and Haulers.

**Melissa Baxter MillsGrassin**, Nothing Wasted Consulting, San Francisco, CA

Sustainable development policies of renewable energy and technological innovation toward cli

**Ibrahim Abdallah**, Torrens university, Australia

Innovative Waste Management and Recycling: Towards a Sustainable Future of Saudi Arabia

**Abdulkader Hanbazaza**, University of Jeddah, Saudi Arabia

Diamonds from the sky: a revolution in decarbonization technology

**Stuart Licht**, Carbon Corp and George Washington University, United States

Title Will Be Updated Soon!!!!

**Miwa Tatsuno**, Institute for Global Environmental Strategies , Japan

**Presentation Slots Available !!!!!**