



**GLOBAL
SCIENTIFIC FORUM**

Global Scientific Forum LLC

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VIRTUAL EVENT

INTERNATIONAL CONFERENCE AND EXPO ON RECYCLING AND WASTE MANAGEMENT

NOVEMBER 09-10

2022

Scientific Program

RECYCLING 2022

GMT-Greenwich Mean Time

09:00-09:10

Opening Ceremony | Introduction

09:10-10:50
Workshop

Title: Circularity in Hydrogen Fuel Cells – technologies and current regulation for the EoL of fuel cells and recycled material valorisation

**Environment Park, Via Livorno, 60 – 10144, Turin (Italy) – BEST4Hy project
IMDEA Energy, Av. Ramón de la Sagra, 3- 28935, Móstoles, Madrid (Spain) – eGHOST/SH2E projects**

The workshop is organised by ENVIRONMENT PARK and IMDEA Energy, project coordinators of BEST4Hy and eGHOST / SH2E, respectively. These projects are funded by the Horizon2020 program, as projects dedicated to the sustainability research on hydrogen technologies.

Panelists

- 1. Sabina Fiorot**, *Environment Park, Turin, Italy*
- 2. Javier Dufour**, *IMDEA Energy, Móstoles, Spain*
- 3. Christine Nayoze-Coyne**, *CEA Grenoble, Grenoble, France*
- 4. Sonia Fiorilli**, *Politecnico di Torino, Turin, Italy*
- 5. Mitja Mori**, *University of Ljubljana, Ljubljana, Slovenia*

Chairpersons

Ilaria Schiavi, *Environment Park, Turin, Italy*

Marianna Franchino, *Environment Park, Turin, Italy*

Authors

Full Name: Sabina Fiorot, *Environment Park, Turin, Italy, BEST4Hy Project Coordinator*

Full Name: Javier Dufour, *IMDEA Energy, Móstoles, Spain, eGHOST and SH2E Projects Coordinator*

Refreshment Break 10:50-11:00

11:00-11:25

Title: Recycling of steel mill dusts: A great potential for the recovery of zinc and iron

Wolfgang Reiter, *K1-Met GmbH, Austria*

11:25-11:50

Title: Definition of the tourism equivalent in tourism destinations. A new proposal for the assessment of waste generated by tourists

Cristina Campos, *Universidad de Cantabria, Spain*

11:50-12:15	<p>Title: Can olive mill wastewater be valorized? – Direct contact membrane distillation as an approach to concentrate value-added compounds and recover water</p> <p>Ana Rita Teixeira Fernandes, <i>University of Porto, Portugal</i></p>
12:15-12:40	<p>Title: Sludge/Biosolids Management: Developing more sustainable strategies</p> <p>Ludovico Spinosa, <i>Euro Tecno Service, Italy</i></p>
12:40-13:05	<p>Title: Optimization of synthesis for carboxymethylcellulose (CMC) from residual biomass by response surface methodology (RSM)</p> <p>Heloise Moura, <i>Federal University of Rio Grande do Norte, Brazil</i></p>
Lunch Break 13:05-13:35	
13:35-14:00	<p>Title: Provincial carbon transfer and carbon equity of China: a multi-perspective analysis</p> <p>Chengpeng Lu, <i>Lanzhou University, China</i></p>
14:00-14:25	<p>Title: The Mechanism of Household Waste Sorting Behaviour—A Study of Jiaxing, China</p> <p>Qianhui Xu, <i>Shanghai Ocean University, China</i></p>
14:25-14:50	<p>Title: Solid waste disposal scenario of three ladies' halls of the Chittagong university campus in Chittagong, Bangladesh</p> <p>L. Naher, <i>University of Chittagong, Bangladesh</i></p>
14:50-15:15	<p>Title: Innovative Sorting Technology SORT4CIRCLE®</p> <p>Jochen Moesslein, <i>Polysecure GmbH, Germany</i></p>
Refreshment Break 15:15-15:30	
15:30-15:55	<p>Title: Utilizing Waste Marble Powder for the Production of Fired Clay Bricks</p> <p>Ali Murtaza Rasool, <i>1National Engineering Services Pakistan, Pakistan</i></p>
15:55-16:20	<p>Title: Mycelium-based biocomposites from wheat straw, hemp and their mixtures for packaging applications</p> <p>Merve Mocan, <i>Gebze Technical University, Türkiye</i></p>

16:20-16:45

Title: Recycling used bottles, toilet rolls and other containers for use in the biotechnology method of plant tissue culture

Sylvia Adjoa Mitchell, *The University of the West Indies, Jamaica*

16:45-17:10

Title: Inhouse reduction techniques for textile waste

Hafsa Jamshaid, *The Textile Institute, UK*

17:10-17:35

Title: Estimation of Methane generation from municipal solid waste (MSW) of Gujranwala City (Pakistan)

Chaudhry Haider Ali, *University of Engineering & Technology, Pakistan*

17:35-18:00

Title: Thwarting SWM Crisis in the city of Lahore (Pakistan)

Imran Ali Sultan, *Massachusetts Institute of Technology, USA*

Keynote
18:00-18:25

Title: Agricultural solar radiation management-a solution to global warming?

Ye Tao, *Social and Environmental Entrepreneurs, USA*

Closing Remarks



GMT-Greenwich Mean Time

Keynote
09:10-09:35

Title: Oil palm biomass wastes: A potential renewable energy sources
Chee Kong Yap, *Universiti Putra Malaysia, Malaysia*

09:35-10:00

Title: A conceptual Framework for Stakeholder Engagement in Waste Management
Mahdi Kolahi, *Ferdowsi University of Mashhad, Iran*

10:00-10:25

Title: Biobutanol fuel for circular economy: Advances in production and prospect in Africa energy-transition
Adefarati Oloruntoba, *China University of Petroleum, China*

10:25-10:50

Title: Bioremediation of soils contaminated with various organic chemicals - a complex approach
Galina K. Vasilyeva, *Russian Academy of Sciences, Russian Federation*

10:50-11:15

Title: Determining the suitability of rainwater harvesting for the achievement of sustainable development goals in Wadi Watir, Egypt using GIS techniques
Mostafa Ezzeldin, *Peoples' Friendship University of Russia, Russian Federation*

Refreshment Break 11:15-11:30

11:30-11:55

Title: Opportunity of Recycling Polypropylene Disposable Facemasks and PPE into Composites
Philippe Vroman, *GEMTEX Textile Research Laboratory, France*

11:55-12:20

Title: Biogas production from Mono- and Co-digestion of chicken manure: Focusing on methane production, microbial community analysis and energy evaluation
Qigui Niu, *Shandong University, China*

12:20-12:45

Title: Development of Latent Fingerprint by Using Orange Peel Powder: (Waste Material)
Vanisha Godara, *Vivekananda Global University, India*

12:45-13:10

Title: Numerical modeling and simulation of eddy current separator to recovery non-ferrous particles from waste

Ahmed Nour El Islam Ayad, *Kasdi Merbah University, Algeria*

Lunch Break 13:10-13:40

13:40-14:05

Title: Implementation of color codes for the separation and classification of urban solid waste in Latin America and the Caribbean

Alejandro Abbate Lacourly, *National University of the Litoral (UNL), Argentine Republic*

14:05-14:30

Title: A new trend in the statistical prediction of kinetic rate constant of thermal cracking of high-density plastic pyrolysis for commercially scale liquid fuels and gases

Rao Adeel Un Nabi, *University of Agriculture, Pakistan*

14:30-14:55

Title: Numerical modeling and simulation of eddy current separator to recovery non-ferrous particles from waste

Aliakbar Roudbari, *Shahroud University of Medical Sciences, Iran*

14:55-15:20

Title: Nitrogen Activator Stabilizer for reduce and protect N-fertilizer

Sameh Ahmed Rizk, *Ain Shams University, Egypt*

Closing Remarks



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YOUR DATES**

2nd International Conference and Expo on
**Recycling and Waste
Management**

JUNE 26-27, 2023 | PARIS, FRANCE