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2578<sup>th</sup> Conference

*Scientific Program*

9<sup>th</sup> World Convention on

# Waste Recycling and Reuse

March 11-12, 2019 Singapore



**Hosting Organization: Conference Series LLC LTD**

47 Churchfield Road, London, W3 6AY

Ph: +1-650-889-4648, Fax: +1-650-618-1417, Toll free: +1-800-216-6499

Email: [recyclingsummit@conferenceint.org](mailto:recyclingsummit@conferenceint.org)

Keynote Forum

10:00-10:40 **Title: Realizing the true potential of recycling in a circular economy with nexus thinking**  
Hiroshan Hettiarachchi, United Nations University, Germany

10:40-11:20 **Title: Microbial fuel cells for the sustainable society**  
Takashi Ano, Kindai University, Japan

Group Photo

Networking and Refreshments Break: 11:20-11:40 @ Foyer

Session: Green Technology | Biomass And Bio Energy | Solid Waste Management | Industrial Waste Recycling | Hazardous Waste Management

Session Chair: Hiroshan Hettiarachchi, United Nations University, Germany

Session Introduction

11:40-12:10 **Title: Co, Li, Cu and Al recovery from the stream of spent galvanic cells of the second lithium-ion type with methods of chemical metallurgy**  
Amelia Zielinska, University of Science and Technology, Poland

12:10-12:40 **Title: Impacts and risks of solid waste management in developed and developing countries**  
Florence Barbara Awino, University of Canberra, Australia

12:40-13:10 **Title: Pyrohydrolysis of CaCl<sub>2</sub> waste for the recovery of HCL acid upon the synergistic effects from MgCl<sub>2</sub> and silica**  
Song Zhou, Monash University, Australia

Lunch Break: 13:10-14:00 @ Foyer

Keynote Forum

14:00-14:40 **Title: New system of solid municipal waste management in Russian Federation**  
Valery S. Petrosyan, Lomonosov University, Russia

14:40-15:20 **Title: Waste recycling and reuse is the major industry for the reduction of global poverty and hunger in the developing countries of the world like south Asia particularly in Pakistan**  
Muhammad Usman, Former Director General of Agricultural Research System, Pakistan

Session: Green Technology | Biomass And Bio Energy | Solid Waste Management | Industrial Waste Recycling | Hazardous Waste Management

Session Chair: Takashi Ano, Kindai University, Japan

Session Introduction

15:20-15:50 **Title: Environmental news: is microbial desalination cell the future for water treatment and energy systems?**  
Desmond Ato Koomson, Hohai University, China

15:50-16:20 **Title: Experimental data of designing an optimal system for storage, collection and transfer of household waste in the GIS environment, a case study of Tehran, Iran**  
Mohammad Hadi Dehghani, Tehran University of Medical Sciences, Iran

Networking & Refreshments Break 16:20-16:30 @ Foyer

Poster Presentation @ 16:30-17:00

Poster Judge: Valery S. Petrosyan, Lomonosov University, Russia

WCWRR-001 **Title: Production of carbon-based materials, from graphite electrodes (waste), for polymeric reinforcement**  
Cristiano Azevedo, University of Coimbra, Portugal

**WCWRR-002** **Title: Co, Li, Cu and Al recovery from the stream of spent galvanic cells of the second lithium-ion type with methods of chemical metallurgy**

Amelia Zielinska, University of Science and Technology, Poland

**WCWRR-003** **Title: Production of antifungal agents in a Microbial Fuel Cell (MFC)**

Takashi Ano, Kindai University, Osaka, Japan

### Panel Discussion

Awards & Day 1 Ends

**Day 2 March 12, 2019**

**Jupiter III Level 3**

### Keynote Forum

**10:00-10:40** **Title: Sustainable plastic waste management: Good roads-good economics-good environment: Himachal Pradesh -a case study**

Rakesh Kapoor, Earth Sciences Jammu University, India

**10:40-11:20** **Title: Development and evaluation of wound healing hydrogel from chicken feather protein**

Nilesh M Mahajan, Dadasaheb Balpande College of Pharmacy, India

Networking & Refreshments Break 11:20-11:40 @ Foyer

**Sessions: Chemical Waste Recycling | E-Waste Recycling | Metal And Plastic Waste Recycling**

**Session Chair: Rakesh Kapoor, Earth Sciences Jammu University, India**

**11:40-12:10** **Title: Laboratory evaluation of leachate quality and treatment potential through sand absorption using landfill waste of varying age**

Fardin Alam Imran, Military Institute of Science and Technology, Bangladesh

**12:10-12:40** **Title: Australian perspective: IT asset management, e-waste recycling and the national television and computer recycling scheme**

Michael Coghill, Total Green Recycling, Australia

Lunch Break 12:40-13:30 @ Foyer

Awards & Closing Ceremony

