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Scientific Program

5th World Convention on

Recycling and Waste Management

September 11-12, 2017 Singapore



Hosting Organization: Conference Series LLC

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Day 1 September 11, 2017

08:30-09:00 Registrations Hall @ Seletar Room 1, Level 3

conferenceseries.com 09:00-09:15 Opening Ceremony

Keynote Forum

09:15-10:00 **Title: Study on the potential of onsite generation of electricity from discharged urine in high-rise residential buildings**

Ann T W Yu, Hong Kong Polytechnic University, Hong Kong

10:00-10:45 **Title: Efficient separation of dilute oil contaminations from wastewater by functionalized magnetic nanoparticles**

Ameer A Al-Haddad, Kuwait University, Kuwait

Group Photo

Networking & Refreshment Break 10:45-11:00 @ Seletar Foyer

11:00-11:45 **Title: Multi-spectral infrared spectroscopy for the detection and separation of recyclable plastics from municipal solid waste**

Debashis Chanda, University of Central Florida, USA

Sessions:

Plastic Waste Recycling | Waste Water Recycling | Industrial Waste Recycling | Waste Recycling Management | Waste Disposal Practices | Waste to Energy

Session Introduction

Session Chair: Lutfor Rahman, Independent University Bangladesh, Bangladesh

Session Co-Chair: A K M Maksud, Grambangla Unnayan Committee, Bangladesh

11:45-12:15 **Title: Reuse and assessment of municipal wastes**

Ahmed Al-Busaidi, Sultan Qaboos University, Oman

12:15-12:45 **Title: Sustainable solutions for urban waste streams**

Augustine Quek, National University of Singapore, Singapore

12:45-13:15 **Title: Thermal waste recovery by thermal energy storage and by heat energy transportation over long distance**

Lingai Luo, French National Center for Scientific Research, France

Lunch Break 13:15-14:00 @ Atrium Restaurant

14:00-14:30 **Title: The chemical and microbiological analysis of the uncontrolled landfill sites in Eastern Georgia and its impact on the pollution of the surrounding areas**

N Buachidze and Kh Chikviladze, Shota Rustaveli National Science Foundation, Georgia

14:30-15:00 **Title: Environment conservation through recycling empty ARV bottles into artifacts: A case study of Pill Power Uganda**

Barbara Kemigisa, Pill Power Uganda, Uganda

15:00-15:30 **Title: Impacts of the renewable energy and recycling on the sustainability of economic growth**

Faraz Farhidi, Georgia State University, USA

Networking & Refreshment Break -15:30-15:45 @ Seletar Foyer

15:45-16:15 **Title: Reuse of activated sludge as water retention substrate for combating desertification**

Y H Liu, Technological and Higher Education Institute of Hong Kong, Hong Kong

16:15-16:45 **Title: Experimental study of fast pyrolysis of rice husk in a fluidized bed reactor**

Wei-Cheng Wang, National Cheng Kung University, Taiwan

Panel Discussion

Day 2 September 12, 2017

Hall @ Seletar Room 1, Level 3

Keynote Forum

09:00-09:45	**Title: Two new approaches to management of solid tannery waste** **Lutfor Rahman,** Independent University Bangladesh, Bangladesh
09:45-10:30	**Title: Contribution of the waste pickers of Dhaka city in recycling and waste management** **A K M Maksud,** Grambangla Unnayan Committee, Bangladesh

Networking & Refreshment Break 10:30-10:45 @ Seletar Foyer

10:45-11:30	**Title: Screening of bacteria for bioplastic production** **Padma Singh,** Gurukul Kangri University, India

Sessions:
Hazardous Waste Management | Waste to Energy | Recycling Business | Plastic Waste Recycling | Paper Recycling | Printing Waste Recycling | Rubber Recycling

Session Introduction

Session Chair: Ann T W Yu, Hong Kong Polytechnic University, Hong Kong
Session Co-Chair: Ameer A Al-Haddad, Kuwait University, Kuwait

11:30-12:00	**Title: Novel method for removal Pb+2 from drinking water using recombinant *E. coli*** **Mohamed Shehata,** Hokkaido University, Japan
12:00-12:30	**Title: Effect of adding small amount of food waste on biogas production and microbial community structure during anaerobic digestion of discarded sludge pretreated yard waste** **Le Zhang,** National University of Singapore, Singapore
12:30-13:00	**Title: Assessment of hydraulic conductivity of waste landfill liner materials by using modified bentonite under sea water condition** **Xin Xu,** Seoul National University, South Korea

Lunch Break 13:00-14:00 @ Atrium Restaurant

14:00-14:30	**Title: Extended inherent safety index: Inclusion of biological inherent safety index** **Alvin Ee Wei Lianga,** National University of Singapore, Singapore
14:30-15:00	**Title: Harvest green energy through energy recovery from waste: The story of Singapore** **Tong Huanhua,** National University of Singapore, Singapore
15:00-15:30	**Title: Recycling based comprehensive characterization of waste printed circuit boards of various brown and white goods** **Anshu Priya,** Indian Institute of Technology Patna, India

Networking & Refreshment Break 15:30-15:45 @ Seletar Foyer

Poster Presentation 15:45-16:15

Poster Judge: Padma Singh, Gurukul Kangri University, India

WMC-1	**Title: Suitableness assessment of solid fuels through the analysis for moisture and low-heating value in domestic manufactures** **Jae-Hoon Lee, Ye-Seul Baek, Eun-Kyu Noh,** Korea Environment Corporation, South Korea
WMC-2	**Title: Evaluation of the quality of vermicompost after two methods of pre-composting several zoo animal dung and their growth and reproductive index of *Eisenia foetida* (Sav.)** **Edmundo Arturo Pérez Godínez,** Autonomous University of Chihuahua, Mexico
WMC-3	**Title: Impact of incineration of municipal solid waste on climate change in Georgia** **Natela Dvalishvili,** Georgian Technical University, Georgia

Panel Discussion

Awards & Closing Ceremony