Journal of Waste Recycling

Resources, Recycling and waste Management

Evaluation of Energy Potential from Metro Manila's Municipal Solid Waste (MSW) using Waste to Energy Technologies

Data, Charlotte Anne Jordas

University of Santo Tomas, JGC Philippines Inc. , Engineering, Procurement, Construction Industry, Manila, Philippines

Abstract:

Metro Manila, as one of the most populous urban areas in the Philippines, faces great challenges in the management of its Municipal Solid Waste (MSW). Whereas, at the same time, it demands increase of energy in its path to economic development. However, harnessing the energy through available conversion technologies in the country is not as progressive due to limited awareness and institutional capacities. This study aims to evaluate the amount of MSW energy potential that could add to the country's energy mix using mathematical models for Combustion and Landfill Gas technologies. This study will add significance to waste management strategies and energy production for Metro Manila.

Biography: Charlotte Data is a licensed Mechanical Engineer, taking up Master of Science in Management Engineering at University of Santo Tomas. She handles local and international Infrastructure and Power Generating Plant Projects, which inspired her to pursue research in providing sustainable energy and waste management solutions through Waste to Energy in her country's metropolitan. She's an advocate in promoting sustainable renewable energy development in her home country.

Emerging Waste-to-Energy Technologies: Solid Waste Solution or Dead End?

Waste to Energy: Considerations for Informed Decision-making

Waste-to-Energy

Waste Disposal & Sustainable Energy

Recovery of plastics from dumpsites and landfills to prevent marine plastic pollution in Thailand

9th World Climate Change Congress, Septeber 21-22, 2020

Abstract Citation: Evaluation of Energy Potential from Metro Manila's Municipal Solid Waste (MSW) using Waste to Energy Technologies, Data, Charlotte Anne Jordas , University of Santo Tomas, JGC Philippines Inc. , Engineering, Procurement, Construction Industry, Manila, Philippines , 9th World Climate Change Congress, Septeber 21-22, 2020, pp:0-1