

Municipal Solid Waste Energy Conversion in Developing Countries: Technologies, Best Practices, Challenges and Policy - 1st Edition

Chapter One – Introduction

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Abstract:

The adequate collection and disposal of municipal solid waste (MSW) remain a challenge in developing countries as a direct consequence of inadequate practices, which in turn produce negative environmental and social impacts. In industrialized countries most MSW are collected, reused, recycled, and, before being disposed in landfills, are recovered through waste-to-energy (WtE) systems. However, in developing countries, WtE technologies still face several barriers, in all aspects, and the synergies of WtE and basic sanitation are not yet well seen. In this context, the main objective of this publication is to analyze the current situation of MSW collection and disposal, allowing the discussion of the perspectives of WtE in Latin America, Africa, and Asia.