

1. Record Nr.	UNINA9910800168103321
Titolo	Solid waste as a renewable resource : methodologies / / edited by Jimmy Alexander Faria Albanese, PhD and M. Pilar Ruiz, PhD
Pubbl/distr/stampa	Toronto ; ; New Jersey : , : Apple Academic Press, , 2015
ISBN	0-429-15448-8 1-77188-239-5
Descrizione fisica	1 online resource (296 p.)
Disciplina	628.4/458 628.4458
Soggetti	Recycling (Waste, etc.) Compost Refuse and refuse disposal - Management Waste products as fuel
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	""Front Cover""; ""About The Editors""; ""Contents""; ""Acknowledgment And How To Cite""; ""List Of Contributors""; ""Introduction""; ""Part 1 Foundations""; ""Chapter 1 Energy Recovery From Municipal And Industrial Wastes: How Much Green?""; ""Chapter 2 Energy Recovery Potential And Life Cycle Impact Assessment Of Municipal Solid Waste Management Technologies In Asian Countries Using Elp Model""; ""Part 2 Anaerobic Digestion""; ""Chapter 3 Utilization Of Household Food Waste For The Production Of Ethanol At High Dry Material Content""; ""Chapter 4 Production Of Fungal Glucoamylase For Glucose Production From Food Waste""; ""Part 3 Composting""; ""Chapter 5 Changes In Selected Hydrophobic Components During Composting Of Municipal Solid Wastes""; ""Chapter 6 Transforming Municipal Waste Into A Valuable Soil Conditioner Through Knowledge- Based Resource-Recovery Management""; ""Part 4 Pyrolysis And Chemical Upgrading""; ""Chapter 7 Furfurals As Chemical Platform For Biofuels Production""; ""Part 5 Incineration And Carbonization""; ""Chapter 8 Incineration Of Pre- Treated Municipal Solid Waste (Msw) For Energy Co- Generation In A Non- Densely Populated Area"""

Chapter 9 Gaseous Emissions During Concurrent Combustion Of Biomass And Non- Recyclable Municipal Solid Waste""; ""Chapter 10 Environmental Effects Of Sewage Sludge Carbonization And Other Treatment Alternatives""; ""Part 6 Gasification""; ""Chapter 11 An Experimental And Numerical Investigation Of Fluidized Bed Gasification Of Solid Waste""; ""Chapter 12 Gasification Of Plastic Waste As Waste- To- Energy Or Waste- To- Syngas Recovery Route""; ""Author Notes"" ""Back Cover""

Sommario/riassunto

The twenty-first century world faces several enormous challenges: how to mitigate climate change, meet a growing energy demand without relying on fossil fuels, and manage the escalating quantities of solid waste generated by cities around the world. This compendium volume offers a viable solution to all three: using solid waste as a renewable resource. Intended for a wide audience ranging from engineers and academics to decision-makers in both the public and private sectors, this volume has gathered together research into a range of technologies and methodologies. The editors, two well-publishe
