

*Special Issue Reprint*

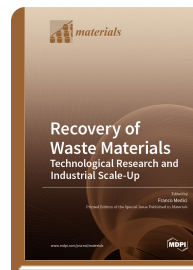
## **Recovery of Waste Materials: Technological Research and Industrial Scale-Up**

[www.mdpi.com/books/reprint/5744](http://www.mdpi.com/books/reprint/5744)

Edited by  
Franco Medici

ISBN 978-3-0365-3062-8 (Hardback)

ISBN 978-3-0365-3063-5 (PDF)



Increases in population, booming economy, rapid urbanization and the rise of living standard have exponentially accelerated waste production.

Currently, 2 billion tons per year of municipal solid waste is produced worldwide and about 33% of this amount remains uncollected by different municipalities.. However, the entire waste production process concerns different streams and origins other than municipal solid waste, including industrial, agricultural, construction and demolitions waste; and hazardous, medical and electronic waste. Published papers, as a whole, concern different waste materials such as the recovery of different building materials, the treatment of waste deriving from electrical and electronic equipment, the utilization of stainless-steel slags, agricultural and domestic waste and plastics.

In conclusion, the works demonstrate scientific and technological relevance in terms of the topics dealt with, but the problems addressed in this Special Issue proceed beyond the solution that the scientific community is able to propose. In fact, our industrial system, at the end of its cycle of production and consumption, has not developed the capacity to absorb and reuse waste and byproducts. We have not yet managed to adopt a circular model of production capable of preserving resources for present and future generations.

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.



## Open Access

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.



## Author Focus

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.



## High Quality & Rapid Publication

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.



## High Visibility

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).



## Print on Demand and Multiple Formats

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.