Special Issue

Conversion of Residual Biomass into Valuable Carbon-Based Materials

Message from the Guest Editors

The unstoppable rise of urban population and the corresponding increase of waste biomass production, together with more stringent environmental regulations on waste management, pose overwhelming challenges to the world. In this context, residual biomass represents a source that is relatively free of political control, universally available on an annually renewal basis, and environmentally clean.

The development of affordable, reliable, easily accessible, environmentally clean biomass conversion technologies is still an open concern. This Special Issue aims to bring together all the recent advances in the field, with particular regard to those ensuring, according to the circular economy approach, carbon-neutral biomass conversion technologies.

The focus of this Special Issue is on the biological and thermochemical conversion of biomass for the production of bio-based carbon materials for energy applications and the production of activated carbons for environmental remediation and recovery of nutrients. The aim is to provide an overview of the knowledge of the state of the art in this field of residual biomass conversion to produce valuable carbon-based materials.

Guest Editors

Dr. Maurizio Volpe

Faculty of Engineering and Architecture, Kore University of Enna, Cittadella Universitaria, 94100 Enna, Italy

Prof. Dr. Antonio Messineo

Faculty of Engineering and Architecture, University of Enna Kore, Cittadella Universitaria, 94100 Enna, Italy

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Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Marc A. Rosen
Faculty of Engineering and Applied Science, University of Ontario Institute of Technology, Oshawa, ON L1G 0C5, Canada

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