



Conversion of Residual Biomass into Valuable Carbon-Based Materials

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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.





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