

Special Issue

Valorization of Residues from Energy Conversion of Biomass for Advanced and Sustainable Material Applications

Message from the Guest Editors

The scope of this Special Issue is to cover the utilization options for residues (i.e., ashes and chars) from thermochemical conversion of biomass (e.g., combustion, and gasification) and their role in an emerging sustainable bio-economy. The Special Issue will include both comprehensive reviews as well as in-depth research papers. The editors welcome contributions that address applications of the remaining ashes and chars from thermochemical conversion processes as advanced and sustainable materials, e.g., in the construction industry, catalysis, adsorption of heavy metals or CO₂, and energy storage. Furthermore, studies on the influence of fuel composition, chemical and thermal fuel pre-treatment processes and conversion parameters on the characteristics and the applicability of conversion residues are highly welcome. The main paper acceptance criteria are novelty, scientific and academic excellence, as well as the originality of the submitted manuscripts.

Guest Editors

Prof. Dr. Dirk Enke

Dr. Hossein Beidaghy Dizaji

Dr. Volker Lenz

Dr. Thomas Zeng

Deadline for manuscript submissions

closed (15 January 2022)



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Message from the Editor-in-Chief

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

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