



Advances in Coal, Biomass and Biowaste Processing Technology

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Message from the Guest Editor

The increasing carbon dioxide emissions involved in addressing the increasing energy demand is one of the major environmental concerns of the contemporary coal-based energy sector. Wider use of biomass and biowaste in power generation may contribute to diversification of the world energy supplies, and mitigation of greenhouse gas emissions. Notwithstanding the particular emphasis put on the use of renewables in the development of sustainable energy systems, coal will still remain the major energy resource because of its abundance, wide geographic distribution and price competitiveness according to the forecasts of energy use structure by 2050.

This Special Issue is, therefore, devoted to the current challenges and latest developments in widely understood thermochemical conversion of coal, biomass and biowaste (combustion, gasification, pyrolysis, liquefaction) to different products (heat, power, hydrogen, substitute natural gas, methanol, liquid fuels, etc.). Various aspects of thermochemical utilization of coal for energy purposes, ranging from technological, through process integration to economic and environmental are the main thematic areas covered by this Special Issue.





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Message from the Editor-in-Chief

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