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Advanced Technologies for Energy Exploitation of Coals

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Message from the Guest Editors

Energy, water, and food are three major elements to ensure human existence. Coal is definitely an indispensable source of energy necessary for the techno-economic progress of any country. The burning of coal releases numerous nitrous, carbon and sulphur oxides vis-à-vis organic and inorganic compounds, which are hazardous for the environment. It is a fact that these emissions result in air contamination, including climate change and local acid rain problems. Coal has been widely studied by various researchers to explore the possibilities of economical and environmental friendly energy sources, and viable metals. Coal has also been used comprehensively to fabricate new nanomaterials in laboratories, as well as waste treatment and clean-coal technologies. So, this Special Issue aims to encourage researchers to address the technological advancements that have led to more efficient combustion of coal with reduced emissions of sulfur, carbon and nitrogen oxide. We are looking for contributions in the following areas: 1. Coal as sustainable energy sources; 2. Underground coal gasification; 3. Advanced coal mining technology.



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Special Issue



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Message from the Editor-in-Chief

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