Special Issue

Bio-Coal for Metallurgical Processes

Message from the Guest Editors

The metallurgical industry faces great challenges in reducing the fossil CO2 emissions related to production. This challenge can be met using bio-coal as an alternative to fossil coal in different applications related to the production processes. In many cases, large volumes of bio-coal of a specific quality have to be available to meet the demand, and this will require the use of different types of biomass sources for the production of bio-coal using pre-treatment methodologies through which desired qualities can be reached. Topics that will be included in the issue are as follows:

- Pre-treatment methods for bio-coal
- Impact of biomass characteristics on bio-coal quality
- Bio-coal quality, possibilities, and limitations
- Use of bio-coal as raw material in coke making
- Applications with bio-coal for injection or addition in lumpy form into metallurgical processes
- Applications with bio-coal in agglomerates

We are looking forward to receiving your contributions.

Guest Editors

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Message from the Editor-in-Chief

Minerals welcomes submissions that report basic and applied research in mineralogy. Research areas of traditional interest are mineral deposits, mining, mineral processing and environmental mineralogy. The journal footprint also includes novel uses of elemental and isotopic analyses of minerals for petrology, geochronology and thermochronology, thermobarometry, ore genesis and sedimentary provenance. Contributions are encouraged in emerging research areas such as applications of quantitative mineralogy to the oil and gas, manufacturing, forensic science, climate change, geohazard and health sectors.

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