Special Issue

Separation, Beneficiation, and Purification of Carbonaceous Minerals and Materials

Message from the Guest Editors

Carbon is an indispensable raw material for industry and life. Natural carbon exists mainly in the form of coal, graphite and other minerals. Due to the continuous mining and consumption of high-quality carbon minerals, the available carbon sources are mainly of a low grade and difficult to separate, and there is an urgent need to develop efficient separation technology for difficult to select carbon minerals. At the same time, industrial production produces a lot of waste carbon materials, and some of the waste carbon is harmful and toxic, which will cause great damage to the ecological environment if not disposed of appropriately. The development of efficient separation, beneficiation and purification methods for low-grade carbonaceous minerals and waste carbon materials has gradually become an urgent issue. Therefore, this Special Issue aims to collect the latest research on the separation, beneficiation and purification of various carbonaceous minerals and materials. Separation and recovery techniques may include physical methods such as crushing, screening, grinding, re-election and flotation, as well as chemical methods of hydrometallurgy and pyrometallurgy.

Guest Editors

Dr. Xiangning Bu

Dr. Yangshuai Qiu

Dr. Yuran Chen

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Separations
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
separations@mdpi.com

mdpi.com/journal/separations

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Message from the Editor-in-Chief

Separations offers the scientific community a high-quality, open-access journal option with rapid time-to-publication without any sacrifice of a rigorous peer-review process. We invite contributions ranging from fundamental characterization and instrumentation development through application of techniques to shed light on a broad spectrum of separation science needs. Since inception, *Separations*, has become unique in its combination of rapid publication and thorough scientific content. We invite you to consider us for your next contribution.

Editor-in-Chief

Prof. Dr. Frank L. Dorman
Department of Chemistry, Dartmouth College, Hanover, NH 03755, USA

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