Special Issue

Microorganisms around Coal Mines and Their Application

Message from the Guest Editor

Coal mine provide essential fuel and resource for industrial development in human history. However, coal mining and utilization also cause a serial environmental problem. To cope with the climate change and mitigation, coal's clean utilization and related pollution treatment attract more attention around the world. Coal mines offer habits for a large diversity of microorganism. These microbes play an essential role in many geochemical cycles around coal mine, such as sulfur and carbon cycle, organic matter decomposing, mineral weathering, and so on. The biochemical reaction process of these microorganisms provides some potential application around coal mine including harmful elements removed, high-value added products recovery, biogenic coal bed methane etc. This special issue will provide a platform to display the latest results, progress, and summary of the microorganism around coal mines and their application research in coal clean utilization, ecological remediation and so on.

Guest Editor

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Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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