Special Issue

The Research on Effects of Coal Mining on Groundwater Environment and System

Message from the Guest Editors

Coal mining is a typical large-scale human engineering activity, which will cause strong disturbance to the geological environment and damage to the groundwater environment. On the one hand, it causes excessive water inflow in coal mines, and even causes water inrush accidents. On the other hand, it causes a series of serious ecological and geological environmental problems, such as the decline of underground water level, the deterioration of water quality, the reduction or even drying of water in rivers, springs and lakes, the ecological variation of the watershed and the deterioration of the surface ecological environment. How to deal with the harmonious relationship between coal mining and groundwater is the key issue to reduce the damage of groundwater environment and system in coal mine area. This topic will elaborate and discuss the latest progress in research on the following issues: characteristics of groundwater circulation in coal mine area; water inrush and water damage evaluation of coal mining; influence law of coal mining on shallow water; influence evaluation of coal mining on groundwater quality; coal mining technology under water-containing

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In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

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