Special Issue

Engineering Hydrogeology Research Related to Mining Activities, 2nd Edition

Message from the Guest Editors

Coal mining usually produces a large amount of mine water and causes a series of engineering hydrogeology problems. On the one hand, coal mining causes safety and environmental impact problems, such as groundwater loss and mine water pollution. On the other hand, coal mining causes some water inrush accidents, such as water inrush from separate layers, water inrush from sand and water inrush from coal seam floors. Although many scholars have been rapidly advancing the field by adopting new ideas and concepts, the safety of mining conditions and the groundwater environment in the mining area have been greatly improved, and the technology, processes and materials of mine water prevention and treatment have been greatly developed, but there are still some problems which include the engineering hydrogeological mechanism of water inrush, hydrogeological problems of deep recharge of mine water, intelligent monitoring and early warning of coal mine water disaster, water-preserved coal mining and research on rock dynamics with fluid–structure coupling.

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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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