

Topical Collection

Sustainable Development of Coal Based Energy: Technology, Environment, Humanities, Economy, and Education

Message from the Collection Editors

Coal-based energy is a reasonable indicator of economic health in some developed economies, such as the USA, Canada, Australia, etc., and especially in developing countries, such as China, India, etc. Sustainable developments of coal mining technologies, coal mining damage control, environment protection and energy humanities are still interesting topics playing a key role in energy safety and climate change, especially intelligent and green mining technologies, the protection and utilization of mine water resources, restoration of the ecological environment in mining area, reuse of abandoned mines, coal mine solid waste backfilling, greenhouse gas emission control, etc. For these reasons, we propose a wide-ranging topic that can be summarized as “Sustainable Development of Mining Technologies, Damage Control, Environment Protection and Energy Humanities for Coal-based Energy”. This highly interdisciplinary theme can, therefore, involve a wide scientific audience, from geologists to mining, environmental and management engineers, as well as economists and educationists.

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