Special Issue

Artificial Intelligence in Geoenvironmental and Energy Sciences

Message from the Guest Editors

Understanding the interaction between environmental and energy sciences is vital for geo-environmental modeling and monitoring, energy production, environmental safety, energy efficiency, and life in general. To study the challenges that humans face and determine their dimensions in various aspects of science, a large dataset is required. Artificial intelligence, on the other hand, has undergone a major revolution in predicting, optimizing, and determining the key parameters of various sciences and is now going beyond traditional approaches, leading to safer, more efficient, and more cost-effective solutions, with the ability to accurately predict key parameters of earth sciences and extraterrestrial sciences. Breakthroughs and significant progress have been made in the last few decades in the use of scientific data for predictive analytics. This special issue aims to achieve, predict, and optimize the key parameters of earth sciences and energy sciences using machine learning and deep learning.

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Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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