Special Issue

Machine Learning Techniques for Soil-Sediment-Water Systems

Message from the Guest Editors

In recent years, significant progress has been made in the application and development of numerous ML techniques in the fields of soil, sediment, and water systems. Data-driven models based on machine learning can efficiently solve more complex non-linear problems in water-related studies to address engineering and practical challenges.
Soil–sediment–water systems are part of the geological environment, and they are essential components of the biosphere, assuring the sustainability of ecosystems. Ecosystem stability and development are affected by both anthropogenic and natural factors in the geochemical composition of these environmental elements. In addressing the issue of computational complexity, a data-driven model based on machine learning can effectively solve more complex non-linear problems than traditional models employed in various research studies in the field of soil–sediment–water systems. As land science faces several societal challenges caused by soil–sediment–water systems, we would like to encourage researchers to contribute their latest ideas, developments, and review papers in the current Special Issue.

Guest Editors

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Land is the only open access journal covering all aspects of land science, and it is a pioneering platform for publishing on land system science. Our editorial board is comprised of eminent scholars. We publish high quality research on societally relevant, emerging and innovative topics and results in land system research. It is now one of the top land journals with a significant impact factor, and has a goal to become the best journal in land in the coming years. I strongly recommend Land for your best research publications for a fast dissemination of your research.

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