

Special Issue

Frontiers in Hydrologic Dynamics, Analytics and Predictability

Message from the Guest Editors

Hydrology is a rich multidisciplinary field encompassing a complex process network involving interactions of diverse nature and scales. Still, it abides by the core dynamical principles regulating individual and cooperative processes and interactions, ultimately relating to the overall Earth system dynamics. This Special Issue focuses on advances in theoretical and applied studies in hydrologic dynamics, regimes, transitions, and extremes, along with their physical understanding, predictability, and uncertainty. Moreover, it welcomes research on dynamical co-evolution, feedbacks, and synergies among hydrologic and other Earth system processes at multiple spatiotemporal scales. The Special Issue further encourages a discussion on the physical and analytical approaches to hydrologic dynamics, ranging from stochastic, computational, and system dynamic analysis to more general frameworks addressing non-ergodic and thermodynamically unstable processes and interactions.

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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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