Special Issue

Sustainability in the Development of Water Systems Management - Climate Change and Water Systems Sustainability

Message from the Guest Editor

This Special Issue mainly aims to provide innovative stochastic approaches that seek to better characterize and quantify those features of hydrological processes. These methods are fundamentally differentiated from the deterministic ones in dealing with the aforementioned inherent hydrological features. The traditional statistical methods, such as linear and nonlinear regression models, are usually simple to develop; however, they produce, in general, large modeling errors and they are not as sophisticated as necessary. Spatial, temporal, as well as combined analysis of dimensions are welcome through different existing powerful techniques. Some relevant examples are Autoregressive Moving Average (ARMA) and Autoregressive Integrated Moving Average (ARIMA) models, Multivariate Adaptive Regression Splines (MARS), Causal Reasoning (CR), Copulas Methods, Kalman and Particle Filter Methods, Stochastic Machine Learning (ML) Methods such as Multivariate Methods, Principal Component Analysis (PCA), Factorial Analysis of Variance (FAV), among others.

Guest Editor

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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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