



Advancement in Geospatial Techniques and Data Analytics for Sustainable Watershed Management in a Changing Environment

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Message from the Guest Editors

Dear Colleagues,

A watershed is considered as the basic land unit where all the components of the water cycle may be adequately quantified and/or managed. The sustainable management of a watershed benefits human beings without significantly altering the natural environment. The best management practices in a watershed or sub-watershed provide the backbone to the programs for conserving land and water resources and tackling the upcoming challenges arising due to the burgeoning population, land degradation, depleting groundwater levels, etc. The latest advancements in geospatial techniques, data science and analytics, artificial intelligence, advanced computing facilities, exhaustive spatial datasets, and watershed models provide enhanced simulation and modeling capabilities with more insightful outcomes to assist researchers, field engineers, watershed planners, and decision-makers to assist in managing the watershed in a much better way.

This Special Issue will bring all such studies involving diverse tools and techniques for solving a multitude of problems related to watershed management under the changing climate from different parts of the globe together on a single platform.





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