

Special Issue

Global Hydrological Studies and Ecological Sustainability

Message from the Guest Editors

Both hydrology and the water cycle are driving forces, shaping ecosystems worldwide. However, due to natural processes and human pressure, cycle disruptions are observed more and more frequently. Since the world's aquatic and land environments are changing rapidly and facing unprecedented pressures, ecological watershed management research should focus on the integrity of the ecosystem and maintaining sustainability. Human activity is believed to be the main cause of climate change and the observed loss of biodiversity on a local and global scale. Therefore, ecosystems still require the identification of ecological problems, proper protection, restoration, and sustainable management. This Special Issue aims to (a) define hydrological processes and other processes that can influence the quality of both aquatic and land ecosystems, (b) identify the current problems in hydrology, as well as its role in maintaining ecological integrity, (c) maintain or restore the structures, processes, and functions of ecosystems, (d) describe ecological problems and propose solutions (both practical and theoretical) in light of ecological sustainability.

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