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Anthropogenic and Geoenvironmental Impacts on the Hydrosphere: Diagnosis, Monitoring, Assessment, and Sustainable Management

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Message from the Guest Editor

Anthropogenic activities and geoenvironmental processes have drastic effects on the hydrosphere, while often, it is rather difficult to distinguish the geoenvironmental signature from the one induced by anthropogenic activities. Anthropogenic and geoenvironmental adverse effects on the hydrosphere are a global problem that directly impacts human health, water resources, food security, wildlife, biodiversity, and ecosystems. Anthropogenic influences on the hydrosphere cover altered land use, pollution, and industrial, agricultural, and mining activities. Geoenvironmental impacts on the hydrosphere enfold effects related, among others, to geological processes, natural disasters, leaching from the soil, weathering of rocks and sediments, geochemical processes, and biological processes in the aquatic environment.

The hydrosphere faces a host of severe threats, including pollution, eutrophication, geological hazards, extreme temperatures, sea-level rise, soil erosion, wildfires, hurricanes [...]

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Special Issue



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Message from the Editor-in-Chief

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