

Special Issue

Water Management and Environmental Engineering

Message from the Guest Editors

Water is a vital resource for agricultural and industrial operations, as well as domestic use. Nonetheless, the overexploitation of freshwater resources has been generating alarming water scarcity issues worldwide, especially in arid regions. Given that freshwater preservation emerges as a critical challenge in terms of health, environmental, and socio-economic concerns, the design and implementation of water management interventions based on environmental engineering principles has become more imperative than ever. Notably, the United Nations has already introduced the Sustainable Development Goals (SDGs) to set explicit eco-friendly targets by 2030, indicatively referring to universal and equitable clean water access (SDG#6) and responsible use of natural resources, including freshwater (SDG#12). In this light, robust policies and state-of-the-art solutions for water monitoring, optimization, and management should be developed to eliminate risks related to water shortages and/or degradation from both society and industry.

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