

Special Issue

Recent Advances in Wetland Material Cycle, Pollution Control and Engineering Application

Message from the Guest Editors

Natural wetlands are complex and critical ecosystems that can provide diverse ecological services, maintain regional ecological security, supplying unique habitats for microorganisms. However, multiple stresses from natural and anthropogenic disturbances pose serious threats to wetlands, leading to their degradation and loss of function. Unlike natural wetlands, constructed wetlands are ecological purification technologies under human intervention, which can effectively remove nutrients, heavy metals, organic pollutants, and other typical emerging pollutants in water bodies. However, some unconventional stresses may negatively affect its removal efficiency, such as nanomaterials, microplastics, high salinity, low temperature, etc. This Special Issue aims to provide an interdisciplinary platform for researchers from different backgrounds to exchange their latest research progress on challenges and opportunities in the sustainable development of natural and constructed wetlands.

Guest Editors

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Deadline for manuscript submissions

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Editor-in-Chief

Prof. Dr. Steve W. Lyon

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