Special Issue

Constructed Wetlands as a Sustainable Technology for Wastewater Treatment: Current Trends and Future Potential

Message from the Guest Editor

Constructed wetland is a comprehensive ecosystem. It applies the principle of species symbiosis, material recycling and regeneration in the ecosystem, and the principle of structure and function coordination. Under the premise of promoting the benign circulation of pollutants in wastewater, it enables the full range of the production potential of resources, prevents environmental re-pollution, and achieves the best benefits of sewage treatment and resource utilization. With the development of environmental problems, more challenges have been posed to constructed wetlands, such as carbon emission reduction, new pollutant treatment, etc. Hope to publish the research results in more than the following aspects. (1) Design and construction scheme of new constructed wetland and its effect on pollutant removal. (2) The role of constructed wetland in the removal of new pollutants, and the migration and transformation of new pollutants in wetland system. (3) Application of constructed wetland technology in the context of carbon neutral policy. (4) The geochemical cycling of important substances or elements in constructed wetlands to promote pollutant removal.

Guest Editor

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In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

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