

Special Issue

Constructed Wetlands and Wastewater Treatment for the Improvement of Environmental Quality

Message from the Guest Editor

Wastewater from different sources, if not treated, represents a risk to the quality of the environment. Soil, surface water and groundwater are the recipients of raw wastewater in many regions worldwide. Constructed wetlands (CW) are a low-cost alternative for the treatment of different types of wastewater and for the removal of nutrients, pathogens and emerging pollutants. The role of CW in promoting biodiversity and protecting human health is also being investigated. Innovations have been reported in the design criteria of CW in order to increase their efficiency or extend their use for the treatment of new industrial effluents. This Special Issue focuses on the current state of knowledge regarding the use of CW for the treatment of wastewater from different sources to protect the environment from pollutants. We aim to publish papers on the following (not exhaustive) list of topics: CW for the removal of pathogens, nutrients, pharmaceuticals, pesticides, microplastics, etc.; the on-site use of CW; CW for the treatment of industrial effluents; the use of CW in rural communities; CW for water reuse; CW treating agricultural runoff; constructed wetlands and ecosystems services.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

IJERPH provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality peer-reviewed journal.

Editor-in-Chief

Prof. Dr. Paul B. Tchounwou

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