



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

Guest Editors:

Dr. Huai Li

Key Laboratory of Wetland Ecology and Environment, Northeast Institute of Geography and Agroecology, Chinese Academy of Sciences, Changchun 130102, China

Prof. Dr. Zifang Chi

College of New Energy and Environment, Jilin University, Changchun 130021, China

Dr. Jiuling Li

Australian Centre for Water and Environmental Biotechnology, The University of Queensland, St. Lucia, Brisbane, QLD 4072, Australia

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Message from the Guest Editors

Dear Colleagues,

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.

Dr. Huai Li
Dr. Zifang Chi
Dr. Jiuling Li
Guest Editors





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Prof. Dr. Marc A. Rosen

Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

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Sustainability Editorial Office
MDPI, Grosspeteranlage 5
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