

Special Issue

Sustainable Solutions for Wastewater Treatment Management—Microbial Ecology and Biotechnological Applications in the Context of Circular Economy

Message from the Guest Editors

Dear Colleagues:

The effective treatment of the produced wastewater and the reduction of water scarcity are closely linked to the effectiveness of the applied treatment methods (ideally sustainable nature-based) and the possibility of reusing the discharged water when necessary. Additionally, the presence of bioactive substances in various types of wastewater and the enzymatic activity of certain microbial species offer a cost-effective and environmentally friendly solution for the degradation of pollutants. This itself contains a growing interest and a broad research field towards the exploration and exploitation of the diverse biotechnological applications of specific groups of microorganisms. It also provides the possibility of treating the effluents of treatment systems as materials that are not discharged in the environment as waste, but instead are further used in a variety of applications, for example in agriculture.

We look forward to receiving your contributions.

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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