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Microbial Transformation and Transport of Organic Pollutants within Paddy-Ditch-Pond Water

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Message from the Guest Editors

Dear Colleagues,

Organic pollutants are widespread in the environment, posing significant threats to both human health and ecosystems. Paddy-ditch-pond water, which is utilized for irrigating rice fields, stands out as a major contributor to and receptor of organic pollutants. Microbial transformation plays a pivotal role in influencing the destiny and movement of these pollutants within paddy-ditch-pond water. Nevertheless, the mechanisms, kinetics, and factors influencing the microbial transformation of organic pollutants in paddy-ditch-pond water remain inadequately understood. This Special Issue aims to offer a comprehensive overview of the current knowledge and identify research gaps in the microbial transformation and transport of organic pollutants in paddy-ditch-pond water. It will extend to other topics, such as the identification and characterization of microbial communities and enzymes involved in the transformation of organic pollutants[...]

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Special Issue



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Message from the Editor-in-Chief

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