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The Role of Human Activities in the Spread of Antibiotic Resistance Trough Aquatic Environments

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Message from the Guest Editor

Several human activities may promote the spread of antibiotic resistance into aquatic environments. Among others, its main emission route is through treated or untreated wastewater discharge into receiving water bodies. However, other activities, such as agriculture and livestock, might be indirectly involved in the increase of antibiotic resistance spread into aquatic environments. This Special Issue is focused on the role of human activities in the spread of antibiotic resistance trough aquatic environments. The principal aim is to bring together relevant research on this topic, carried out in a wide range of aquatic environmental compartments considering both natural and artificial ecosystems. Studies investigating the significance of different human activities on the spread of antibiotic resistance determinants and bacteria into aquatic environments through both punctual and diffuse sources are needed and will be welcome. Furthermore, studies carried out at different experimental scales (i.e., field, mesocosms and microcosms) are encouraged, as well as works approaching this topic through a combination of cultivation-based and molecular methods.



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Special Issue



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Message from the Editor-in-Chief

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