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Applications of Blockchain Technology in Environmental Research

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Message from the Guest Editors

With an ever-increasing anthropogenic climate and land-use change, terrestrial and aquatic pollution as well as biodiversity loss, environmental monitoring and management have been a growing concern across the globe. Blockchain is an emerging technology that shows the potential to build a trust infrastructure for maintaining data transparency and security. The technology has been recently either proposed or applied in various domains of the agriculture sector and other fields such as finance, manufacturing, logistics systems, and medical institutions. Therefore, blockchain technology has potential to be utilized in environmental studies.

This Special Issue collects original research and critical reviews about scientific and technical information on the recent application of blockchain in environmental monitoring and research. The primary areas of interest of this Special Issue include, but are not limited to, the role of blockchain and Internet of Things-based technologies in decentralized and sustainable resource management, pollution management, food traceability, intelligent water management, climate and land-use change, and biodiversity monitoring.

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Message from the Editor-in-Chief

Environmental issues are quickly becoming central political, economic and academic topics of the twenty-first century. A large number of modern challenges are directly or indirectly caused by complex interactions between environmental issues. Such issues require interdisciplinary research, knowledge and insights to understand and, ultimately, for solutions to be found. Through the journal Environments, we strive to create a platform for meaningful discourse by accepting contributions from a wide range of fields. We sincerely hope you will consider publishing your distinguished work in this highly-accessible, peer-reviewed journal.

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