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Material Cycling's around the Sediment-Water Interface: Implications for Understanding, Assessment, Remediation of Eutrophicated and Contaminated Sediment

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Message from the Guest Editors

Dear Colleagues,

Some water bodies have begun to improve around the world owning to effective mitigation measures, but many still suffer from the adverse effects of eutrophication and pollution. The aquatic environment and its ecosystem are strongly regulated by the material cycles happening in the water bodies. Balance in the sediment-water interface plays a critical role in controlling the dynamics of these material cycles. These processes are particularly exacerbated in a eutrophic and contaminated water environment. As many of the causative materials tend to accumulate on the bottom-most layers of the water column, consequently, a coupled impact of sediment will be expected. Hence, it is essential to understand and evaluate the precise processes that control the variability of material balances around the sediment-water interface.

In this Special Issue, we would like to compile the latest discoveries and achievements of oxygen, nitrogen, phosphorus, sulfide, and heavy metal cyclings around the sediment-water interface to provide a foundation for the advancement of future research in this particular field.

Dr. Tetsunori Inoue Prof. Dr. Makoto Higashino *Guest Editors*







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Message from the Editor-in-Chief

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