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Environmental Feedbacks between Global Changes, Contaminants and Aquatic Plants

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Message from the Guest Editors

Dear Colleagues,

The novel conditions after industrialization have direct impacts on water environments. Although isolated effects of temperature, light, and contaminants on aquatic organisms have been studied, their integrative effects are far to be understood. Aquatic plants play important roles for the global environment, being the basis of the aquatic trophic chain, phytoplankton are essential for CO₂ fixation and O₂ production. Similarly, hydrophytes provide a habitat for a wide variety of aquatic organisms and, likewise, influence their abundance and diversity, in addition to participating in the removal of water contaminants (such as personal care and pharmaceuticals products, cyanotoxins, metals, hydrocarbons, and pesticides). Therefore, the environmental feedbacks are extremely important.

Based on that, this Special Issue aims to gather knowledge on environmental feedbacks between global changes and/or contaminants on the biology (molecular, morphophysiological, and biogeochemical responses) of aquatic plants (phytoplankton and hydrophytes). For the more information, please visit our [Special Issue website page](#).



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Special Issue



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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

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