

Special Issue

Advanced Chemical and Biological Technologies for Water Purification and Contaminant Degradation

Message from the Guest Editors

With the rapid development of industries and increasing human activities, such as the production and use of metal plating, fertilizers, tanneries, mining, paper, batteries, pesticides, etc., many harmful inorganic and organic pollutants are released into water, which seriously endangers freshwater resources and the ecological environment. Consequently, an urgent need arises for the development of highly efficient water purification techniques aimed at degrading various contaminants. These treatment processes will protect safe and reliable water resources and may help in promoting sustainable development. Advanced chemical and biotechnological methods are widely used in water treatment, but they still require further development, including advancements in pollutant degradation mechanisms, improvements in efficiency and environmental friendliness, and reductions in cost. In this Special Issue of *Water*, we focus on Advanced Chemical and Biological Technologies for Water Purification and Contaminant Degradation, encouraging the submission of studies that involving environmentally friendly, laboratory- and field-scale control and treatment of contaminants.

Guest Editors

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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.

Editor-in-Chief

Dr. Jean-Luc PROBST

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