

## Special Issue

# Application of Electrochemistry in Wastewater Treatment

### Message from the Guest Editor

Physicochemical processes have always played a vital role in wastewater treatment, as they can treat non-biodegradable effluents. Electrochemistry has always stood out, as it has many advantages such as high efficiency, easy scaling, combination, and synergy with other technologies such as fenton reaction, photocatalysis, coagulation and even biological reactors. Additionally, if combined with renewable energy sources, it can provide a unified green solution. Under this perspective, this Special Issue of *Water* welcomes the application of environmental electrochemistry, including: - Electrochemical treatment of agro-industrial wastewater; - Environmental electrochemistry for the removal of persistent pollutants and pathogens; - Design and scale-up of electrochemical reactors; - New electrocatalytic material for wastewater treatment; - Combination of electrochemistry with other processes (electrocoagulation, electro fenton, photoelectrocatalysis) and investigation of synergy; - Electrochemical activation of persulfate and electrogeneration of hydrogen peroxide; - Microbial fuel cells; - Modeling of environmental electrochemistry.

### Guest Editor

Dr. Zacharias Frontistis  
Department of Chemical Engineering, University of Western  
Macedonia, 50100 Kozani, Greece

### Deadline for manuscript submissions

closed (15 January 2022)



## Water

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*Water*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[water@mdpi.com](mailto:water@mdpi.com)

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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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### Editor-in-Chief

Dr. Jean-Luc PROBST

Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR  
CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique  
(CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane,  
Toulouse, France

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