Special Issue

New Explorations in Electro-Chemical Technology for Wastewater Treatment

Message from the Guest Editors

Electrochemical technology has great potential and broad application prospects in wastewater treatment. Via electrolysis, capacitive adsorption, and electrocoagulation, etc., pollutants and harmful substances can be effectively removed from wastewater and the biodegradability of wastewater improved. This Special Issue will focus on new explorations in electrochemical technology, including electrode materials, the interfacial electrochemical process, pollutant reduction kinetics, removal mechanisms, and practical applications in wastewater treatment, addressing the basic principles and technical issues in electrochemical wastewater treatment and further improving its efficiency and feasibility of application. This Special Issue will also explore the combination of electrochemical technology and other wastewater treatment technologies to achieve complementarity among various technologies and the effective treatment of different types of wastewater.

Guest Editors

Dr. Jianglin Cao

Prof. Dr. Jie Ma

Dr. Fei Yu

Deadline for manuscript submissions

closed (20 May 2024)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/189755

Water
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

mdpi.com/journal/water

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/journal/water

About the Journal

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
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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, PubAg, AGRIS, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Water Resources) / CiteScore - Q1 (Aquatic Science)

MDPI