environments

IMPACT FACTOR 3.7

CITESCORE 5.9

an Open Access Journal by MDPI

Emerging Technologies for Advanced Water Purification

Guest Editor:

Dr. Zacharias Frontistis
Department of Chemical Engineering, University of Western Macedonia, GR-50132 Kozani, Greece

Deadline for manuscript submissions:
closed (20 August 2021)

Message from the Guest Editor

In recent years, the reuse of wastewater has increased dramatically due to the constant increase in water demand. New technologies have emerged to address new challenges, such as the degradation of persistent pollutants and emerging contaminants, non-biodegradable wastewater, and pathogens.

This Special Issue welcomes submissions on advanced wastewater management and treatment including but not limited to:

- Physico-chemical processes (membrane technologies, coagulation-flocculation, etc.);
- Advanced oxidation processes (photocatalysis, ozone Fenton, activated persulfate, sonochemistry, electrochemical oxidation, etc.);
- Applications of new catalytic materials for advanced wastewater treatment;
- Combination of biological and physicochemical processes—hybrid treatment;
- Advanced biological treatment (moving bed and membrane bioreactors, etc.);
- Bioremediation and phytoremediation;
- Studies carried out in pilot plants or related to size scaling;
- Applications of artificial intelligence to advanced waste treatment;
- Simulation of advanced treatment of wastewater or drinking water.

environments

IMPACT FACTOR 3.7

CITESCORE 5.9

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Sergio Ulgiati

1. Department of Science and Technology, Parthenope University of Naples, Centro Direzionale, Isola C4, 80143 Napoli, Italy
2. State Key Joint Laboratory of Environment Simulation and Pollution Control, School of Environment, Beijing Normal University, No. 19 Xinjiekouwai Street, Beijing 100875, China

Message from the Editor-in-Chief

Environmental issues are quickly becoming central political, economic and academic topics of the twenty-first century. A large number of modern challenges are directly or indirectly caused by complex interactions between environmental issues. Such issues require interdisciplinary research, knowledge and insights to understand and, ultimately, for solutions to be found. Through the journal Environments, we strive to create a platform for meaningful discourse by accepting contributions from a wide range of fields. We sincerely hope you will consider publishing your distinguished work in this highly-accessible, peer-reviewed journal.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, ESCI (Web of Science), PubAg, AGRIS, GeoRef, and other databases.
Journal Rank: CiteScore - Q1 (*Ecology, Evolution, Behavior and Systematics*)

Contact Us

Environments Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/environments
environments@mdpi.com
𝕏@Environ_MDPI