International Journal of
Environmental Research and Public Health

Indexed in: PubMed
CITESCORE 5.4

an Open Access Journal by MDPI

Advanced Oxidation Processes (AOPs) for Water Treatment

Guest Editor:

Dr. Frontistis Zacharias
Department of Chemical Engineering, University of Patras, Río, Greece

Deadline for manuscript submissions:
closed (31 March 2019)

Message from the Guest Editor

The research on the application of different physcochemcial processes based on the in situ production of reactive oxygen species has been showing impressive growth in recent years The objective of this issue is to present recent advances in the field of environmental applications of advanced oxidation processes (AOPs) Therefore, this issue will cover research on the application of different advanced oxidation processes, including but not limited to photocatalysis, photo-Fenton, activated persulfate , UV/H_2O_2, sonochemistry, ozonation and electrochemical oxidatiom as well as hybrid processes for (a) industrial wastewater treatment, (b) removal of micro-pollutants and emerging contaminants from water and wastewater, (c) air purification systems, (d) water disinfection (with particular emphasis on the fate of antibiotic resistance genres), and (e) energy (hydrogen production or CO_2 reduction) (f) Process modelling , hybrid processes and scaling up (pilot plant studies), Research on the synthesis and applications of smart catalytic materials for environmental applications is especially encouraged while we also welcome critical reviews.

International Journal of
Environmental Research and Public Health

Indexed in: PubMed
CITESCORE 5.4

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Paul B. Tchounwou
RCMI Center for Urban Health Disparities Research and Innovation, Richard Dixon Research Center, Morgan State University, 1700 E. Cold Spring Lane, Baltimore, MD 21251, USA

Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Discovery and advances in this research field play a critical role in providing a scientific basis for decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards. *IJERPH* provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality, peer-reviewed, open access journal.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, PubMed, MEDLINE, PMC, Embase, GEOBASE, CAPlus / SciFinder, and other databases.
Journal Rank: CiteScore - Q1 (*Public Health, Environmental and Occupational Health*)

Contact Us

International Journal of Environmental Research and Public Health Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/ijerph
ijerph@mdpi.com
𝕏@IJERPH_MDPI