



## Organic Peracids in Novel Environmental and Public Health Applications

Guest Editors:

**Dr. Tero Luukkonen**

University of Oulu, Fibre and Particle Engineering Research Unit, P.O. Box 8000, FI-90014, Finland

**Dr. Simo O. Pehkonen**

Adjunct professor, Environmental and Chemical Engineering, University of Oulu, Finland

Deadline for manuscript submissions:

**closed (15 June 2021)**

### Message from the Guest Editors

Dear Colleagues,

Organic peracids, such as performic and peracetic acids, are widely used in industrial applications requiring disinfection, sterilization, or a high oxidation potential. Even though both performic acid and peracetic acid were synthesized for the first time over 100 years ago, active research on their properties and potential uses has continued up to this day. An important driver in their use is the low tendency for the formation of disinfection by-products—a property not exhibited by many of the competing disinfectants and oxidizers.

The scope of this issue includes all organic peracids and all of their environmental and health-related applications. Potential topics include:

- Research on synthesis or analytical methods of organic peracids;
- Disinfection/sterilization of surfaces (for instance, in healthcare or the food industry);
- Novel uses in water and wastewater treatment (such as advanced oxidation processes, ballast water treatment, and potable water disinfection); and
- Characterization and modeling of reactions of organic peracids.





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, CAPus / 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, Grosspeteranlage 5  
4052 Basel, Switzerland

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

mdpi.com/journal/ijerph  
ijerph@mdpi.com  
X@IJERPH\_MDPI