



## Wastewater, Solid Waste and Treatment Technologies

Guest Editors:

**Dr. Boreddi Silas Chidi**

Bioresource Engineering  
Research Group (BioERG), Cape  
Peninsula University of  
Technology, P.O. Box 652, Cape  
Town 8000, South Africa

**Dr. Seteno Karabo Ntwampe**

Centre of Excellence for Carbon-  
Based Fuels, School of Chemical  
and Minerals Engineering, North-  
West University, Private Bag X  
1290, Potchefstroom 2520, South  
Africa

Deadline for manuscript  
submissions:

**closed (20 February 2023)**

### Message from the Guest Editors

Dear Colleagues,

Despite significant efforts made in managing waste and pollution, many systems or process-related challenges are still encountered. Therefore, there is an urgent desire for different disciplines to their focus attention on these challenges; hence, multi/interdisciplinary approach systems are widely recommended in achieving the ambitious concept of the circular economy. Therefore, this Special Issue is intended to present new ideas and experimental results in the fields of wastewater, solid waste, water pollution, treatment technologies and other related disciplines.

Areas relevant to waste management include, but are not limited to, waste reduction, waste treatment technologies, water pollution control, waste recycling, waste treatment techniques, anaerobic digestion, bioremediation, environmental protection and others. Novel waste management solutions based on omics research are also topics of interest.

This Special Issue will publish high-quality, original research papers in the overlapping fields of: biotechnology, bioeconomy, food technology, omics, bioengineering, bioprocessing technology, nanotechnology and others.





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**  
Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

## 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, Inspec, Embase, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

## Contact Us

---

*Applied Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[applsci@mdpi.com](mailto:applsci@mdpi.com)  
[X@Applsci](https://twitter.com/AtApplsci)