

# Special Issue

## Methods for Sustainable Wastewater Treatment and Resource Recovery

### Message from the Guest Editor

Substantial efforts are increasingly made by academia, practicing engineers, and the wastewater industry towards sustainable wastewater treatment and recovery of resources from liquid waste streams. The paradigm shift from energy-intensive, pricy wastewater treatment towards energy-efficient, energy-positive, and ecosystem-based treatment, as well as resource recovery, has been achieved through a variety of creative methods and unit processes, innovative design and operation, and elucidation of treatment processes and kinetics. To promote industrial adoption of practical solutions and tackle grand challenges for sustainable wastewater treatment and resource recovery, this Special Issue encourages researchers's contribution. Topics include, but are not limited to the following subareas:

- Recovery of energy, nutrients, bio-based products, and clean water from liquid and solid waste streams related to wastewater treatment systems
- Energy-efficient and natural wastewater treatment
- Analysis and optimization of sustainable treatment processes using advanced analytical technologies and data mining approaches
- Sustainability Analysis of methods and systems

---

### Guest Editor

Dr. Wendong Tao

Department of Environmental Resources Engineering, SUNY College of Environmental Science and Forestry, Syracuse, NY, USA

---

### Deadline for manuscript submissions

closed (31 October 2021)



## Methods and Protocols

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.0  
CiteScore 3.9  
Indexed in PubMed



[mdpi.com/si/61184](https://mdpi.com/si/61184)

*Methods and Protocols*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[mps@mdpi.com](mailto:mps@mdpi.com)

[mdpi.com/journal/  
mps](https://mdpi.com/journal/mps)





# Methods and Protocols

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.0  
CiteScore 3.9  
Indexed in PubMed



[mdpi.com/journal/  
mps](https://mdpi.com/journal/mps)



## About the Journal

### Message from the Editor-in-Chief

*Methods and Protocols* (ISSN 2409-9279) is an open access journal devoted to the publication of new procedural approaches and cutting-edge methodological developments. The ultimate objective of this new forum of scientific communication is to provide researchers with an indispensable tool, enabling better use of the latest scientific technologies. With a broad and totally interdisciplinary focus, *Methods and Protocols* was established with the objective of facilitating cross-fertilization and cross-talk in the scientific arena. Methods and protocols in Life Sciences, Chemistry, Biomedical Sciences, Engineering, and in their intersections such as Biotechnology and Nanotechnology will constitute the core of the journal. However, we anticipate that other fundamental disciplines such as Physics or Geology will be rapidly incorporated.

---

### Editor-in-Chief

Prof. Dr. Fernando Albericio  
School of Chemistry and Physics, University of KwaZulu-Natal, Durban,  
South Africa

---

### 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), PubMed, PMC, CAPlus / SciFinder, and other databases.

#### Journal Rank:

CiteScore - Q2 (Biochemistry, Genetics and Molecular Biology (miscellaneous))