



## Emerging Photoactive Molecule/Polymer for Water Treatment or Degradation of Pollutants

Guest Editor:

**Dr. Dong Gao**

Institute of Biophysics, Hebei  
University of Technology, Tianjin  
300401, China

gaodong@iccas.ac.cn

Deadline for manuscript  
submissions:

**30 November 2021**

### Message from the Guest Editor

More than one-third of the human population are facing limited access to sanitary and safe drinking water. The effective removal of chemical contaminants, including oils/organic solvents, heavy metal ions, and dyes, from water is one of the major challenges we are facing in our efforts to mitigate this. Strategies to develop effective, economical, and robust methods for water purification are still urgently needed. To address such challenges in developing materials for water treatment or degradation of pollutants, this Special Issue aims to discuss state-of-the-art advances in the development of various photoactive molecule/polymer materials with good adsorption capacity, photodegradation ability of pollutants, and so on. Thus, we would like to invite authors to submit their original and high-quality research on theoretical calculation of photoactive molecules/polymers, novel photodegradable molecule/polymer design/synthesis, advanced characterization technologies, development of next-generation reusable and portable water purification appliances, development of water purification appliance products, and strategies toward high-performance photodegradable polymer materials.





an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Marc A. Rosen**

Faculty of Engineering and  
Applied Science, University of  
Ontario Institute of Technology,  
Oshawa, ON L1G 0C5, Canada

## Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer-reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

## Author Benefits

**Open Access:**— free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High visibility:** indexed within [Scopus](#), [SCIE](#) and [SSCI \(Web of Science\)](#), [GEOBASE](#), [Inspec](#), [AGRIS](#), [RePEc](#), [CAPlus / SciFinder](#), and many [other databases](#).

**Journal Rank:** [JCR](#) - Q2 (*Environmental Sciences*) / [CiteScore](#) - Q1 (*Geography, Planning and Development*)

## Contact Us

---

*Sustainability*  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
Fax: +41 61 302 89 18  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sustainability](http://mdpi.com/journal/sustainability)  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)  
[@Sus\\_MDPI](https://twitter.com/Sus_MDPI)