

Special Issue

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

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.

Guest Editor

Dr. Dong Gao

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

Deadline for manuscript submissions

closed (30 November 2021)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/66915

Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

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





Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



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



About the Journal

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. *Sustainability* publishes original research articles, review 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.

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

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, GeoRef, Inspec, RePEc, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1
(Geography, Planning and Development)