



Design, Synthesis of Polymers-based Hybrid Materials for Biosensing and Building Stimuli-Responsive Architectures

Guest Editors:

Prof. Dr. Chengfen Xing

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

xingc@hebut.edu.cn

Dr. Dong Gao

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

gaodong@iccas.ac.cn

Deadline for manuscript
submissions:

12 December 2021

Message from the Guest Editors

The field of smart” or “intelligent” polymers, or stimuli-responsive polymers, has commanded significant interest over the past decade. Careful introduction of specific polymeric modalities makes the polymeric nanosystem to the stimuli-responsive systems performing extraordinary functions in response to trigger such as pH, temperature, redox, enzymes, light, magnetic, or ultrasound. Recently, the application of stimuli-responsive organic polymers and functional materials hybrid systems have been emerging as a promising nanotechnology. Incorporation of functional materials such as organic materials, gold, silica, or iron oxide with surface-bound stimuli-responsive polymers offers additional advantages and multifunctionality. We would like to invite the authors to submit their original and high-quality research on:

- design/synthesis of stimuli-responsive polymers;
- development of polymers-based hybrid materials with response to triggers such as pH, temperature, redox, enzymes, light, magnetic, or ultrasound for environment monitoring;
- application of polymers-based hybrid materials in drug delivery, imaging or photochemical therapeutics.





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

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