

## Special Issue

# Application of Bio-Based Materials in Environmental Governance

### Message from the Guest Editors

Biomass, the most abundant sustainable resource on earth, has been gaining traction as the ideal precursor for various materials and chemicals due to its unique physical, chemical, and biological properties. Very recently, significant achievements have been made in environmental governance using bio-based functional materials derived from lignocellulose, chitosan, vegetable oil, and starch. This Special Issue of *Sustainability* called, "Application of Bio-Based Materials in Environmental Governance", aims to provide an overview of the most recent advancements in the applications of bio-based materials in environmental governance, which includes research articles and short reviews. The bio-based materials could be prepared from, but are not limited to, lignocellulose, chitosan, plant oil, starch, and protein. Research papers on environmental governance can include, but are not restricted to, topics such as wastewater treatment; pollutant separation and degradation; carbon capture, utilization and storage (CCUS); environment analysis and monitoring; and environmental assessment.

---

### Guest Editors

Dr. Can Jin

Dr. Caoxing Huang

Dr. Lishu Shao

---

### Deadline for manuscript submissions

closed (30 April 2024)



## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



[mdpi.com/si/148666](https://mdpi.com/si/148666)

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