

## Special Issue

# Ultrasonic and Microwave Assisted Applications in Synthesis, Processing and Extraction

### Message from the Guest Editors

One-way process industries may comply to this new paradigm is the application of processes intensification techniques for higher energy efficiency, thus, sustainability. Ultrasound (US) and microwave (MW) techniques are amongst the most attractive methods for process intensification, but nowadays process industries are rather conservative concerning technology change, especially concerning the way the activation energy is supplied in chemical processes. This Special Issue will comprise a selection of papers presenting original and innovative contributions in the field of combined use of US and MW in material processing, chemical synthesis, extraction of natural principles, etc.

### Guest Editors

Prof. Ioan Calinescu

Department of Bioresources and Polymer Science, University POLITEHNICA of Bucharest, 1-7 Ghe. Polizu, Bucharest-011061, Romania

Prof. Dr. Vasile Lavric

Department of Chemical and Biochemical Engineering, University POLITEHNICA of Bucharest, 1-7 Ghe. Polizu, Bucharest 011061, Romania

### Deadline for manuscript submissions

closed (30 June 2021)



**Sustainability**

an Open Access Journal  
by MDPI

**Impact Factor 3.3**  
**CiteScore 7.7**



[mdpi.com/si/46906](https://mdpi.com/si/46906)

*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)