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

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

mdpi.com/journal/ sustainability





Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



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. 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.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University, Columbus, OH 43210, USA

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, CAPlus / SciFinder, and other databases.

Journal Rank:

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

