



## Sustainability in Emergent Systems

Guest Editors:

**Dr. Monica Pinto**

Departamento de Lenguajes y  
Ciencias de la Computación,  
Universidad de Málaga, Málaga  
29016, Spain; ITIS Software,  
Universidad de Málaga, Málaga  
29016, Spain

**Dr. Mercedes Amor**

Departamento de Lenguajes y  
Ciencias de la Computación,  
Universidad de Málaga, Málaga  
29016, Spain; ITIS Software,  
Universidad de Málaga, Málaga  
29016, Spain

**Dr. Flavia Coimbra Delicato**

Department of Computer  
Science, Fluminense Federal  
University, Niteroi, RJ 24220-900,  
Brazil

Deadline for manuscript  
submissions:

**closed (25 May 2022)**

### Message from the Guest Editors

Dear Colleagues,

This Special Issue seeks to answer several questions. The first question is whether sustainability is already considered, or not yet, a foreground system quality attribute, at the same level of importance as other traditional quality attributes. The second question is at what levels sustainability is being integrated in software engineering, for instance, through the definition of green middleware, application containers, virtualization software or deployment algorithms. Finally, how and to what degree are systems for massive data processing incorporating techniques that optimize energy consumption? We can certainly say that the topics covered by this Special Issue are already considered in the literature, where sustainability is now influencing all aspects of system development. However, it is not yet clear how these initiatives and approaches raised at the research level are being successfully translated to industrial software projects, in the practice, or what would really make a difference in our society toward a more sustainable future. All the topics in the special issue are in the context of these emergent systems.





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. *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.

## 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](#), [AGRIS](#), [RePEc](#), [CAPlus / SciFinder](#), and [other databases](#).

**Journal Rank:** JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (*Geography, Planning and Development*)

## Contact Us

*Sustainability* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sustainability](http://mdpi.com/journal/sustainability)  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)  
[X@Sus\\_MDPI](#)