



Next Generation of Microwave and Millimetre-Wave Systems for Environmentally Friendly and Sustainable Telecommunications and Energy-Harvesting Systems

Guest Editors:

Dr. Martino Aldrigo

National Institute for Research
and Development in
Microtechnologies – IMT
Bucharest, 077190 Voluntari
(Ilfov), Romania
martino.aldrigo@imt.ro

Dr. Diego Masotti

Department of Electrical,
Electronic, and Information
Engineering “Guglielmo
Marconi”, University of Bologna,
40136 Bologna, Italy
diego.masotti@unibo.it

Deadline for manuscript
submissions:

31 December 2022

Message from the Guest Editors

Dear Colleagues,

This Special Issue will comprise papers covering a wide range of sciences, spanning from electrical/electronic/information engineering to materials science and chemistry, to support sustainable telecommunications systems. Topics include (but are not limited to):

- New/novel sustainable materials for low-power applications (e.g., ferroelectrics, metal-insulator transition oxides etc.);
- Carbon-based electronics (monolayer/multilayer graphene, carbon nanotubes, etc.);
- New/novel energy-harvesting and wireless power transfer techniques;
- Sustainable material-based energy storage systems;
- Life-cycle analysis of sustainable materials;
- End-user electronics for agriculture;
- Transport, industry, households, etc. based on “green” materials;
- Advanced modelling techniques of microwave/millimetre-wave propagation using low-power emitters/receivers for 5G (and beyond) wireless systems.



mdpi.com/si/59936

Dr. Martino Aldrigo

Dr. Diego Masotti

Guest Editors

Special Issue



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)