

Special Issue

Applications of Theory and Techniques on Cosmic Rays and Their Secondaries into Sustainable Practice

Message from the Guest Editor

We are pleased to announce the launch of a new Special Issue on “Applications of Theory and Techniques on Cosmic Rays and Their Secondaries into Sustainable Practice”. The idea of using secondary cosmic ray particles, and especially muons, beyond fundamental physics studies, can be traced back to 1955 when E.P. George proposed to measure the muon flux inside and outside a tunnel to calculate their transmission rate and measure the density of the overburden rock. The number of attempts to use muons as probes for large structures’ inspection has seen a steep increase since the beginning of the 21st century. The purpose of this Special Issue is to collect the best research in the application of theory and technologies concerning muon interaction in matter and their tracing, as well as to produce images in activities such as mitigation of volcanic hazard, nuclear waste monitoring, fight against illicit traffic of fissile material, stability investigation of strategic facilities such as dams or historical buildings, and other sustainable practice within the scope of the journal.

Guest Editor

Dr. Giuseppe Gallo

Department of Physics and Astronomy “E. Majorana”, University of Catania, 95125 Catania, Italy

Deadline for manuscript submissions

closed (30 September 2023)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/117682

Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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)