



## Post Wildfire Management: Erosion and Land Degradation Control, Soil Restoration, and Vegetation Cover Recovery

Guest Editors:

**Prof. António Bento-Gonçalves**

Instituto de Ciências Sociais,  
Departamento de Geografia,  
Campus de Azurém,  
Universidade do Minho, Azurém,  
4800-058 Guimarães, Portugal

bento@geografia.uminho.pt

**Prof. Dr. António Vieira**

Instituto de Ciências Sociais,  
Departamento de Geografia,  
Campus de Azurém,  
Universidade do Minho, Azurém,  
4800-058 Guimarães, Portugal

vieira@geografia.uminho.pt

**Prof. Maria José Roxo**

Department of Geography and  
Regional Planning, FCSH, New  
University of Lisbon, 1069-061  
Lisboa, Portugal

rmj@fcsb.unl.pt

Deadline for manuscript  
submissions:

**31 January 2022**

### Message from the Guest Editors

Over the past few decades, the increased frequency, magnitude, and extent of wildfires have become a major societal and environmental concern across the world. Therefore, post-fire treatments to limit the potential for soil erosion are increasingly important.

This Special Issue intends to outline different approaches regarding post-wildfire management, showing the different perspectives and challenges in the 21st century. As this is a crucial issue for sustainable development, strongly threatened by global changes, and since the production of literature today is fast and dispersed by countless theses, books, and articles, a Special Issue may gather the most recent results obtained in research in different regions around the globe. Topics include but not limited to:

- Wildfire impacts on soil and vegetation;
- Soil erosion, land degradation after wildfires
- Short-and long-term post-fire vegetation recovery
- Soil erosion, land degradation analysis
- Vegetation recovery analysis, after wildfires, based on remote sensing data, GIS or GPS
- Assessment of burned forest area severity and post-fire regrowth using remote sensing data
- Post-fire management practice
- Soil restoration





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](http://www.mdpi.com)

[mdpi.com/journal/sustainability](http://mdpi.com/journal/sustainability)  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)  
[@Sus\\_MDPI](https://twitter.com/Sus_MDPI)