

## Special Issue

# Challenges and Solutions in Soil and Water Conservation

### Message from the Guest Editors

Soil erosion is among the major soil threats identified in the Status of the World's Soil Resources report. Its consequences do not only affect agriculture but also environment and health. Therefore, the implementation of successful soil and water conservation measures is a key point for ensuring a sustainable and food-secure world. This Special Issue aims to cover any topic related to the design, implementation, and effects of traditional or innovative soil and water conservation measures in water-erosion-susceptible areas, such as road slopes, low-permeability soils, or agricultural zones. Besides this, this Special Issue intends to gather multidisciplinary approaches covering well-documented techniques, experiments, or modeling approaches to quantify or validate the effectiveness of the developed measures. **Keywords:**

- conservation measures
- water erosion
- soil degradation
- soil erosion modelling
- hydrological modelling
- experimental hydrology
- agriculture, water and sediment connectivity

---

### Guest Editors

Dr. Gema Guzmán

Institute for Sustainable Agriculture-CSIC, 14004 Córdoba, Spain

Dr. David Zúmr

Faculty of Civil Engineering, Czech Technical University in Prague, 16629 Prague, Czech Republic

---

### Deadline for manuscript submissions

closed (20 July 2022)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/35377](https://mdpi.com/si/35377)

*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[applsci@mdpi.com](mailto:applsci@mdpi.com)

[mdpi.com/journal/](https://mdpi.com/journal/)

[applsci](https://mdpi.com/journal/applsci)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/journal/  
applsci](https://mdpi.com/journal/applsci)



## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

---

### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, Embase, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )