

## Special Issue

# Challenge for Land Use and Biodiversity

### Message from the Guest Editors

Dear Colleague, Land use change is an increasing threat to biodiversity, causing a worldwide decline in species richness and abundance and affecting the composition of biological communities. The expected impact of land use changes on biodiversity depends on a range of factors, such as the research methods used and how biodiversity is analyzed. The aim of this Special Issue is to highlight advances in our knowledge of the relationship between landscape patterns and ecosystem functionality, and their effects on biodiversity. Contributions discussing approaches to better account for landscape multi-scale interactions, considering multi-taxon approaches as well as the provision of ecosystem services are especially welcome. We are also open to studies on other dimensions of changes in land use and biodiversity, for instance, studies using methodologies derived from engineering, geography, geology, and chemistry. Researchers are invited to help advance the dialogue and direction of research to address emerging challenges in land use management and its effects on diversity.

---

### Guest Editors

Prof. Dr. Göran Sahlén

Dr. Mateus Marques Pires

Prof. Dr. Eduardo Perico

---

### Deadline for manuscript submissions

closed (30 January 2023)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/104136](https://mdpi.com/si/104136)

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

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





# 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, CAPlus / SciFinder, and other databases.

#### Journal Rank:

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