



## Advanced Studies in Land Cover Change and Geographic Data Fusion

Guest Editors:

### **Prof. Dr. Jingxiong Zhang**

School of Geodesy and  
Geomatics, Wuhan University,  
Wuhan 430079, China

### **Dr. Ludovit Kovanic**

Faculty of Mining, Ecology,  
Process Control and  
Geotechnologies, Institute of  
Geodesy, Cartography and GIS,  
Technical University of Košice,  
Park Komenskeho 19, 040 01  
Košice, Slovakia

Deadline for manuscript  
submissions:

**20 October 2024**

### **Message from the Guest Editors**

This Special Issue aims to publish papers which study the emerging important methodology and pursue technical advancements in change monitoring, spatio-temporal data fusion, data-model integration, change analyses, and uncertainty quantification and propagation. Topics of interest include, but are not limited to, the following:

- Land cover change typology;
- From change detection to change monitoring;
- Multi-source data technology and data streaming;
- Applied Bayesian statistics in geospatial domain;
- Data support and cross-resolution data modeling;
- Bayesian spatio-temporal data fusion;
- Bayesian downscaling;
- Land cover change as surface time series;
- Bayesian spatio-temporal data assimilation;
- New landscapes for machine learning;
- Uncertainty quantification and propagation;
- Statistical methodology towards building up digital twins of the environment;
- Case studies in natural resources and the environment.





an Open Access Journal by MDPI

## Editor-in-Chief

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

## 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.

## 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), Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

## Contact Us

---

*Applied Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[applsci@mdpi.com](mailto:applsci@mdpi.com)  
[X@Applsci](#)