

## Special Issue

# Ground-Based Geomagnetic Observations: Techniques, Instruments and Scientific Outcomes

### Message from the Guest Editor

This Special Issue will focus on the wide range of aspects related to deployment and operation of magnetic stations, observatories, and repeat stations, as well as the modern techniques of the field, aerial, and marine magnetic surveys. Special attention will be paid to advanced mathematical tools and algorithms aimed at systematic improvement of recorded data and their possible real-time applications. This Issue also welcomes submissions devoted to modern mathematical approaches to the comprehensive analysis and interpretation of geomagnetic information, data mining and modeling. Fundamental studies of both internal and external magnetic fields using ground-based observations will be in the scope of the Special Issue. We encourage contributors of the regional and global networks, scientists who actively employ ground-based geomagnetic data in their studies and geomagnetic instrument manufacturers to share their results through the Special Issue.

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### Guest Editor

Dr. Anatoly Soloviev

Geophysical Center of the Russian Academy of Sciences (GC RAS),  
Director (Molodezhnaya St. 3, 119296 Moscow, Russia)

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### Deadline for manuscript submissions

closed (31 December 2022)



## Applied Sciences

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

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## 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.

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### Editor-in-Chief

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

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