

## Special Issue

# New Challenges in Exploring Solar Radiation: Influence, Consequences, Diagnostics, Prediction

### Message from the Guest Editor

This Special Issue, entitled “New Challenges in Exploring Solar Radiation: Influence, Consequences, Diagnostics, Prediction” is to form a repository of current and diverse research of solar-influenced space weather and, consequently, extreme weather events, climate change, protection and preservation, by soliciting comprehensive reviews and articles of original research and emerging innovations. Topics of interest include, but are not limited to, the following areas:

- solar influence on Earth and modeling of the induced atmospheric disturbances using different kinds of remote sensing techniques;
- space weather studies;
- impact of intense solar radiation on the human population;
- structure, chemistry, diagnostics in relation to Earth ionosphere;
- high-energy physics; forecasting modeling of the atmosphere.

### Guest Editor

Prof. Dr. Vladimir Sreckovic

The Astrophysics and Ionospheric Laboratory, Institute of Physics  
Belgrade, University of Belgrade, 11080 Belgrade, Serbia

### Deadline for manuscript submissions

closed (20 December 2022)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/84330](https://mdpi.com/si/84330)

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

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





# 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 )