

## Special Issue

# Electromagnetic Radiation and Human Environment

### Message from the Guest Editor

The human environment has attracted the interest of different scientific disciplines. Radiation in the environment, or, alternatively, environmental radiation, is a topic with several branches, from radon to UV and solar radiation. The human radiation environment, as a term, includes the health effects of all types of radiation. Hence, this Issue focuses on the electromagnetic part of environmental radiation and all of its effects. I invite you to send me a short abstract briefly explaining the purpose of your research and the principal results obtained, in order to verify that the contribution you intend to submit fits within the objectives of this Special Issue. These objectives are better outlined in the keywords given below.

- non-ionising radiation (power lines, mobile phones, digital communication systems)
- ionising radiation (x-rays,  $\gamma$ -rays)
- naturally emitted  $\gamma$ -radiation in free air from natural radionuclides
- electromagnetism. electromagnetic precursors (ULF, LF, HF, and solar flares)
- health effects
- remote sensing
- related data analysis algorithms
- their modelling and simulation

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### Guest Editor

Prof. Dr. Dimitrios Nikolopoulos

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### Deadline for manuscript submissions

20 December 2025



## Applied Sciences

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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  
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