

## Special Issue

# Novel Advances and Applications in Bio-Electromagnetics and Biomedical Engineering

### Message from the Guest Editors

Electricity has become an integral part of life. Despite the enormous benefits of modern technologies, we must consider the possible biological and health impacts of new applications. Because living organisms have evolved in the presence of weak magnetic and low-frequency sources of electromagnetic energy, it can be assumed that they are adapted to them. Due to the considerable proliferation of new non-ionizing sources of electromagnetic field, there are more public and scientific debates about their beneficial utilization vs. harmfulness. Current science does not yet have a definitive answer to the ongoing mechanisms of the impact of that exposition of biological objects. It is obvious that it is complex and will probably extend beyond conventional physical principles. This Special Issue is focused on the possible advantages of bio-electromagnetics, as well as the detrimental effects related to it. Therefore, contributions on biomedical research, epidemiological studies, and bioelectromagnetic effects at the tissue or cellular levels would be of utmost interest.

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### Guest Editors

Dr. Roman Radil

Dr. Jakub Misek

Dr. Patrik Kamencay

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### Deadline for manuscript submissions

closed (20 June 2025)



## Applied Sciences

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### 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

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