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Electromagnetic Radiation in Biology and Health

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Message from the Guest Editors

Dear Colleagues,

It is well known that number of biological processes within cells, tissues, whole organism are either driven or are producing electrical or electromagnetic signals. On the cellular level cells are activated by the change of electrical potential across cell membrane, which is particularly investigated in nerve activation or transduction. These and many other processes at the cellular level are driven by activation of number of protein and DNA, (i.e. membrane ion channels, protein receptors, etc), which are also driven by selective electromagnetic interactions in several frequency windows. As all these biological processes are performed in water environment; water also plays the critical role in relevant electromagnetic interaction and propagation. There is large body of research in the area of biological electromagnetism, particularly on how to provide benefits for healthcare through innovative medical applications in therapy and prevention. This special issue has the aim to provide focus view into novel and innovative research area of Electromagnetic Radiation in Biology and Health.

Prof. Dr. Irena Cosic
Dr. med. Alberto Foletti
Guest Editors

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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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