



## **Electric, Magnetic, and Electromagnetic Fields in Biology and Medicine: From Mechanisms to Biomedical Applications**

Guest Editors:

### **Message from the Guest Editors**

**Dr. Maria Rosaria Scarfi**

Dear Colleagues,

**Prof. Dr. Mats-Olof Mattsson**

**Prof. Dr. Myrtille Simkó**

**Dr. Olga Zeni**

Deadline for manuscript  
submissions:  
**closed (28 February 2019)**

Electric, magnetic, and electromagnetic fields are widely used in everyday life, as well as in specific occupational environments. In addition, these kinds of non-ionizing radiations are also successfully employed in biomedical applications, for both diagnostic and therapeutic purposes. This Special Issue is open to scientific studies addressing biophysical, in vitro, in vivo, and epidemiological investigations on electric, magnetic, and electromagnetic exposure aimed at evaluating possible negative health effects, studies exploring the beneficial potential of such fields for diagnostic and therapeutic applications, and studies focusing on the associated interaction mechanisms. It includes work in any frequency area, from static fields up to exposures in the THz region. Moreover, the article may cover exposure assessment, dosimetry, hazard identification and characterization, risk assessment, communication, and management.





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USA

## Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

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*International Journal of  
Environmental Research and Public  
Health* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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