



Non-ionizing Radiations: Biological Effects and Interaction Mechanisms

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Deadline for manuscript submissions:

closed (31 December 2020)

Message from the Guest Editors

In the last few decades, a large number of investigations has been devoted to study the effects of non-ionizing radiations (NIR) on biological systems. The aim of such studies has been both to address the potential health risk and to explore their potential use in the biomedical field.

Despite the absence of clear indications on the adverse effects induced by NIR, the International Agency for Research on Cancer classified both extremely low frequency and radiofrequency fields as "possibly carcinogenic to humans" (Group 2B). On the other hand, NIR are currently successfully employed for diagnostic and therapeutic purposes.

Both the beneficial and adverse biological effects of NIR have been evidenced in several experimental conditions, but the proposed interaction mechanisms have not been experimentally validated.

We invite authors to present original research articles as well as review articles that stimulate the continuous effort in comprehension of the molecular and biochemical mechanism by which NIR act on biological systems.

We thank you in advance for contributing to this important process.





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Message from the Editor-in-Chief

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