

## Special Issue

# Apoptosis Studies in In Vivo/In Vitro Experimental Models of Non-ionizing Radiation

### Message from the Guest Editor

External environmental stimulus such as non-ionizing radiation sources have been reported as triggers of oxidative stress, cell damage, autophagy, and apoptosis. The study of pre-apoptotic activation pathways through caspases in an intrinsic (mitochondrial) or extrinsic (external receptors) way, using in vivo (animal) or in vitro (cellular) models in mammals exposed to sources of electromagnetic fields enables the detection of dysfunctions in programmed cell death, approximating the mechanisms of human pathologies.

A better understanding of the modulation exerted, at molecular level, by non-ionizing radiation in cellular apoptosis, through the study of in vivo and in vitro models in mammals, could have important implications in human pathology and/or therapeutics.

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### Guest Editor

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### Deadline for manuscript submissions

closed (31 August 2022)



## International Journal of Molecular Sciences

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