

Special Issue

Radiation Damage in Biomolecules and Cells 2.0

Message from the Guest Editors

Ionizing radiation is widely used in medicine, both as a diagnostic tool and as a therapeutic agent. Furthermore, several exposure scenarios raise radiation protection issues. It is therefore mandatory for the scientific community to continuously update and improve the knowledge of the mechanisms governing the induction of radiation effects in biological targets and to apply the acquired information to optimize the medical use of radiation as well as the protecting strategies. This Special Issue on “Radiation damage in biomolecules and cells” is open to researchers working (both experimentally and theoretically) on the effects of ionizing radiation at the molecular and cellular levels. We welcome papers on the different types of DNA/chromosome/cell damage, addressing the underlying mechanisms and/or the dependence on dose, dose–rate, radiation quality, cell type, etc., as well as the possible implications for radiotherapy and radiation protection.

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The *International Journal of Molecular Sciences (IJMS)* is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, and molecular biophysics. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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