

## Special Issue

# Radiosensitizers in the Service of Radiotherapy: Drug Design, Development and Therapy

### Message from the Guest Editor

Radiotherapy is one of the most common forms of anticancer treatment and it could become even more efficient if enhanced by radio-sensitizing drugs. Such compounds may increase the impact of high-energy irradiation on radioresistant hypoxic cancer tissues. Supporting radiotherapy with safe and efficient radiosensitizers could be promising for numerous patients suffering from radioresistant types of cancer. We would like to invite you to contribute to the Special Issue of the *International Journal of Molecular Sciences*, focusing on advances in radiosensitizers, titled “Radiosensitizers in the Service of Radiotherapy: Drug Design, Development and Therapy”. Original research articles on drug design, the synthesis of new radiosensitizers, and radiation chemistry; computational studies on the mechanisms of action of radiosensitizers; biological in vivo studies on cytotoxic properties and efficacy under irradiation; and review articles and short communications are welcome.

### Guest Editor

Dr. Lidia Chomicz-Mańska

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### Deadline for manuscript submissions

closed (20 May 2025)



## International Journal of Molecular Sciences

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Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



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*International Journal of  
Molecular Sciences*  
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### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) 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, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *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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### Editor-in-Chief

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