

## Special Issue

# New Advances on Photosensitiser or Inhibitors Molecules for Cancer Treatment

### Message from the Guest Editor

Dear Colleague,

The photodynamic therapy concept in which low energy radiation is used on cancer cells with added DNA targeted photosensitizing molecules. The irradiation reaching these molecules enhances the generation of reactive oxygen species (ROS) which possesses cytotoxic effect on DNA. This Special Issue of IJMS focuses on the latest developments on new photosensitiser or inhibitors molecules and on the effect of photosensitiser or inhibitors molecules encapsulated or not on biological molecules as DNA and/or DNA repair proteins and on cells in presence of radiation. This Special Issue, "New Advances on Photosensitiser or Inhibitors Molecules for Cancer Treatment", invites review articles and full-length papers that explore the development or/and the role of photosensitiser or inhibitors molecules near of biological molecules or of cells in presence of radiation. Moreover, papers providing new insights into the development of new systems of encapsulation of these photosensitiser or inhibitors molecules for easier delivery to tumour area are also encouraged.

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### Guest Editor

Prof. Dr. Maria Raposo

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### Deadline for manuscript submissions

closed (20 March 2025)



## International Journal of Molecular Sciences

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## About the Journal

### 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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