

Special Issue

Biofunctionalization of Metals for Medical Application: Molecular Aspects

Message from the Guest Editor

The molecular aspects of the biofunctionalization of metals for medical applications are of notable interest due to the involvement of cutting-edge technologies. The aim of this Special Issue is to collect works that highlight how nanomaterials can be utilized to fight diseases, with a particular focus on nanofunctionalized materials, or new composites that work with new and extremely effective mechanisms, with reduced toxicity and efficacy at very low concentrations. We also seek to explore new molecular mechanisms that involve bacterial membranes with membrane polarity and quorum-sensing molecules. This new frontier will hopefully prove effective in overcoming bacterial resistance and triggering apoptotic processes.

Guest Editor

Dr. Luca Scotti

Istituto di Istruzione Superiore "E. Alessandrini", 65015 Teramo, Italy

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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