

Special Issue

External Stimuli-Responsive Nanomaterials for Diagnosis and Treatment

Message from the Guest Editor

In the last few decades, nanotechnology has made significant advances in the prevention and treatment of human diseases, providing innovative tools for precision medicine by exploiting size, shape, and composition-related properties of nanoscale materials. In particular, in the field of minimally invasive strategies, nanomaterials triggered by external stimuli (such as light, ultrasound, X-rays and magnetic fields) have shown great potential for improving diagnosis and treatment of numerous diseases - including tumors, cardiovascular, neurological and infectious diseases - addressing the challenges of overcoming the current limits of the standards of care and detection. In this Special Issue for *IJMS*, we will focus on the latest advances in the field of external stimuli-mediated nanotheranostics. Research papers and up-to-date review articles - which generally refers to the applications of nanotechnology in photo-/ultrasound-/radiation-/magnetism-mediated therapy, early-stage detection and imaging - are welcome.

Guest Editor

Dr. Loredana Ricciardi

National Research Council CNR NANOTEC - Institute of Nanotechnology, 87036 Rende, CS, Italy

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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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