

Special Issue

Mechanisms of Cellular Toxicity of Nanoparticles

Message from the Guest Editor

The application of nanomaterials (NM) in everyday life is constantly increasing. NM are used, e.g., in cosmetics, medicine, the food industry, electronics or chemistry. As a result, humans are exposed to various types and mixtures of NM that may impact health and contribute to development of numerous diseases. To reveal biological consequences of NM exposure, the toxicity of NM and mechanisms of induction of their negative effects should be investigated. This is a major aim of the Special Issue. Manuscripts to be considered should focus on mechanisms of toxicity of diverse NM, preferable those commonly used, in relevant cell lines, 3D models or in experimental animals. Studies focusing on human exposure to NM are also welcome. The authors should avoid presentation of basic toxicity markers (e.g., cytotoxicity), but more complex approaches including genomics and proteomics are rather encouraged. Ideally, a battery of toxicity markers should be applied to reveal interactions between NM and the test system and biochemical pathways induced by the exposure.

Guest Editor

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Deadline for manuscript submissions

closed (30 October 2020)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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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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