

Special Issue

Properties and Applications of Nanoparticles and Nanomaterials

Message from the Guest Editor

Nanomaterials have rapidly developed and attention surrounding their use has increased in recent years. The emergence of various nanomaterials, i.e., nanoparticles, nanograined alloys, gradient nanostructures, is expected to make it possible for materials with super or very special properties to be applied in unusual practical contexts. There is a wide range of applications for nanomaterials in biochemistry or molecular medicine, fuel cells or metal-ion batteries, flexible electronics, as well various components related to energy. The physical and chemical properties of nanostructures are determined by their chemical composition and structure and are also affected by the forming process, which is critical for reliability and life in practical applications. The purpose of this Special Issue is to provide a research forum to report on structure, properties, processing and applications for nanoparticles and nanomaterials to explore more possibilities to address intractable challenges. Other relevant studies, such as the design of novel nanostructures or modification of nanoparticles, will also be considered. Research articles and reviews in this area of study are welcome.

Guest Editor

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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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