

Special Issue

Advances in Synthesis of Transition-Metal-Based Nanoparticles and Their Bioapplications

Message from the Guest Editor

The utilitarian nature of nanoscale systems is related to the change in the functional properties of materials (chemical, optical, magnetic, etc.) in relation to that known from the macroscale. Transition-metal-based nanoparticles, due to their distinctive physical–chemical properties, are amongst the most widely used nanoscale platforms in diverse applications, including numerous bioapplications. Combining the knowledge from modern materials engineering and chemistry opens up the possibility to design more sophisticated transition-metal-based nanoparticle systems, such as metal oxides, sulfides, metal–organic framework nanomaterials, etc. The synthesis of novel transition-metal-based nanomaterials, including their properties, functions, and bioapplications, from the perspectives of molecular imaging, sensing, and nanotherapeutics (e.g., cancer treatment) are the focus of this Special Issue.

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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