## **Special Issue**

## Nanocrystals, Nanoclusters, Nanoparticles: Synthesis and Optical Properties

## Message from the Guest Editor

Recent progress in the field of controlling matter at the nanoscale has impacted science in a rather unprecedented way. With advances in the synthesis and control of morphology, chemical composition, as well as in the sizes and shapes of nanoparticles, nanocrystals, and nanoclusters, it has become possible to tune their properties on demand. In turn, interactions between these nanomaterials and molecular systems have been investigated in a broad range of aspects, including optoelectronics, sensorics, photocatalysis, artificial photosynthesis, and many more, Moreover, such materials can also be frequently coupled with biomolecules in a controlled way, affecting their properties and functions. Thus, multiple functionality systems, such as theranostic agents, have been proposed. The aim of this Special Issue is to provide a platform for collecting work focused on various aspects of the synthesis and optical characterization of nanoparticles, nanocrystals, and nanoclusters, where synergy effects can be studied and exploited. Experimental and theoretical papers, review articles, and commentaries are all welcome.

## **Guest Editor**

Prof. Dr. Sebastian Maćkowski

- 1. Faculty of Physics, Astronomy and Informatics, Nicholas Copernicus University, Grudziadzka 5, 87-100 Torun, Poland
- 2. Baltic Institute of Technology, al. Zwyciestwa 96/98, 81-451 Gdynia, Poland

### Deadline for manuscript submissions

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## Message from the Editor-in-Chief

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### 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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