Special Issue

Synthesis and Investigation of Gold Nanoparticles

Message from the Guest Editor

Gold nanoparticles (AuNPs) attract attention due to the place where they are located—between the macroscopic and quantum worlds. They can be synthesized relatively easily and their properties can be tuned towards specific applications. AuNPs are characterised by unique electrical, optical, chemical and catalytic properties as well as biocompatibility, therefore the applications of gold nanoparticles include chemical and biological sensors, catalysts, mediators, markers, drug carriers and many more. There is currently great opportunity for scientists to discover and understand the features of this matter dimension between molecules and bulk material, especially when gold nanoparticles of individual nanometer diameters, called monolayer protected clusters, present the properties assigned to molecules. The Special Issue on “Synthesis and Investigation of Gold Nanoparticles” will showcase the diversity of the world of gold nanoparticles, presenting interesting synthesis methods and unique properties.

Guest Editor

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Deadline for manuscript submissions

closed (31 July 2019)

Crystals

an Open Access Journal by MDPI

Impact Factor 2.4
CiteScore 5.0

mdpi.com/si/23313

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Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

Editor-in-Chief

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