Special Issue

Structure and Properties of Inorganic Nanoparticles

Message from the Guest Editor

INPs are now involved in several applications within biomedicine, catalysis, environmental remediation and food science, just to mention a few areas. INPs are generally oxides, sulphides, halides, nitrides, alloys and intermetallic compounds. Synthesis and characterisation techniques for INPs are also drawn from solid-state chemistry as well as doping strategies, which are vastly used to tailor the properties of inorganic solids and create new compounds.

This Special Issue will focus mainly, but not exclusively, on the following: (1) new synthetic strategies for the synthesis and/or functionalisation of known INPs, (2) strategies for doping of INPs towards tailoring of physico/chemical properties, (3) a deeper understanding of current synthetic procedures, (4) synthetic routes leading to new compositions to translate traditional inorganic materials into the nanoworld, (5) functionalisation strategies to engineer the INP's surfaces and confer specific properties to the INP systems and (6) nano-toxicology aspects that out-weigh the risks that INPs may pose to the environment in relation to their benefits to society.

Deadline for manuscript submissions

closed (30 June 2020)

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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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