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Sol-Gel Synthesis of Nanomaterials

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Message from the Guest Editors

Dear Colleagues,

Over the past 30 years, the science of sol-gel has been developing rapidly, bringing significant economic benefits to raising the standard of living. Sol-gel technology can be considered as one of the most important technologies of the 21st century. The sol-gel method mainly undergoes the following few steps: hydrolysis, condensation/polymerization of monomers, and drying process. The sol-gel process has several advantages over other methods, for example, a low process temperature, flexibility of the forming material, controlled composition, allows for obtaining complex composition materials with a large surface area, and a high homogeneity of the final product.

The scope of the Special Issue is intended to cover all fields of science focused on the progress in the synthesis of sol-gel and the properties of nanomaterials. We invite research groups to present research results in the form of articles, reviews, communication, and letters.



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Special Issue



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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal-organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

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