



## Sol-Gel Technology Applied to Materials Science: Synthesis, Characterization and Applications

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### Message from the Guest Editor

Dear Colleagues,

Rapid development of the world highly demands new materials, nanostructures and multicomponent composites with specific chemical and physical properties, which meet the requirements of modern technologies. The employment of appropriate synthetic approaches is crucial for the preparation of inorganic materials with designed microstructure and properties. Among the others, the sol-gel method is very well known for its versatility, simplicity, time- and cost-efficiency. The mixing of starting materials on an atomic level provides high homogeneity and stoichiometry of the products, allowing to obtain high-quality materials at low temperature.

The versatility of sol-gel method allows for the development of materials for a wide range of applications in electronics, optoelectronics, catalysis, biomedicine and many other areas. The scope of this Special Issue of Materials is focused on, but not limited to, the preparation, characterization and application of functional inorganic materials, as well as hybrid materials, which are important in the field of electronics, optics, biomedicine and others.

Dr. Aleksej Zarkov  
Guest Editor





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## Message from the Editor-in-Chief

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