

## Special Issue

# Silica and Silica-Based Materials for Biotechnology, Polymer Composites and Environmental Protection II

### Message from the Guest Editors

Although, in recent years, silica and silica-based materials have become one of the most frequently used materials in various branches of science and industry, their use in biotechnology is still a very intensively expanding field in materials chemistry. This is due to the extraordinary stability and mechanical resistance of silica, its neutral character for most molecules, as well as surface properties, such as well-defined surface area and the presence of numerous of hydroxyl moieties. These properties make silica extremely interesting for biotechnological applications including, among others, adsorption of hazardous pollutants, catalysis, enzyme immobilization, drug delivery systems, and the development of novel, eco-friendly solutions.

The goal of the 2nd part of this Special Issue is to present recent progress and highlight research gaps related to silica materials and their variable applications. We hope to attract both original research papers related to fundamental science and practical application of silica and silica-based materials in biotechnology as well as review articles describing the current state of the art.

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### Guest Editors

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### Deadline for manuscript submissions

closed (20 July 2023)



## Materials

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## About the Journal

### Message from the Editor-in-Chief

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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### Editor-in-Chief

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