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

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Message from the Guest Editors

Dear Colleagues,

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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Message from the Editor-in-Chief

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