

# Special Issue

## Biopolymer-Based Materials

### Message from the Guest Editors

Dear colleagues, Exploiting the main biopolymer features such as biodegradability, biocompatibility, and reduced long-term toxicity for biomedical applications has led to the realization of new systems with a wide range of applications. Thus, their use could be addressed toward, for example, modulating the physical-chemical characteristics of drugs (such as poor water solubility) as well as the biopharmaceutical (e.g., circulating time, body elimination rate) or pharmacological properties (e.g., receptor interaction), giving the possibility to overcome known drug-related side effects due to the off-target actions or to the high doses of administration. Other interesting applications of biopolymers emerge in regenerative medicine, for example, in forming scaffolds with tailorable shapes that can allow cell attachment, diffusion, and growth, permitting the repair of different tissues and avoiding the need to remove the materials after their action thanks to the intrinsic biodegradability. The aim of this Special Issue is to present the innovative applications and the advancements of biopolymer-based materials for biomedical applications.

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### Guest Editors

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### Deadline for manuscript submissions

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## About the Journal

### Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

Coatings is a well-established, peerreviewed, online journal dedicated to the vibrant field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers that make the point on the hottest research topics.

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### Editors-in-Chief

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