

Challenges on Colloids for Antiviral and Antibacterial Effects: Breakthroughs and Discoveries

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Message from the Guest Editors

The aim of this Special Issue will cover new trends in colloid chemistry for antiviral and antibacterial effects. This Special Issue will mainly focus on scientific contributions about (but not limited to) the use of Colloids and Surfaces in following topics:

- Antiviral surfaces;
- Antibacterial surfaces;
- Bacterial biofilms;
- Vaccine delivery;
- Drug delivery;
- Disinfection improvements.

This Special Issue of *Coatings* will collect both original research papers and reviews, covering the most recent advances and challenges in the field of colloid chemistry for antiviral and antibacterial coatings. We hope that contributions to the present Issue can effectively support research on antiviral, antibacterial, and vaccine coatings, from nano- to macroscale. All manuscripts will be peer reviewed, with those accepted to be published immediately online in this Special Issue.



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Message from the Editorial Board

Now more than ever, research is called for to produce technologies and improve knowledge 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 at the center of most contemporary research. Surface science and engineering play a key role in this regard. Refining surfaces and their modifications provides new materials, architectures and processes with a huge potential to aid most societal challenges. *Coatings* is a well-established, peer-reviewed, online journal that focuses on the dissemination of publications in the field of surface science and engineering. *Coatings* publishes original research articles that report cutting-edge results and review papers on the hottest topics.

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