



Recent Advances in Antibacterial Composite Coatings

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Message from the Guest Editors

Antibacterial coatings for medical or pharmaceutical use are developing rapidly, and represent a major component of the overall strategy to mitigate bacterial pathogens. We consider those materials that can release antibacterial substances in a controlled manner but are environmentally friendly, and retain this property in the medium or long term.

We are pleased to invite you to contribute to the discoveries by publishing in this Special Issue of Coatings articles.

This Special Issue aims to publish original research papers aligned with the antibacterial materials, including the science and engineering of coatings, thin or thick films, surfaces or interfaces. Research areas include the following:

- Material science of coatings;
- Antibacterial-release-based coatings;
- Active approaches: stimuli-responsive materials;
- Mechanisms of bacteria-triggered approaches;
- Antibacterial Multifunctional coatings;
- Antibacterial Multi-release coatings;
- Antibacterial Multi-approach coatings;
- Long-term stability of antibacterial properties of coatings;
- Other aspects regarding antibacterial coatings.





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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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