

Antibacterial Coatings and Biofilm

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Message from the Guest Editor

Dear Colleagues,

Food safety is a global issue with major impact on human health. Antimicrobial coating for medical application is among the pylon-generating segment but, globally, the market for antimicrobial coating for food and beverage has been increasing due to food industry, the key drivers for the market. The recent market research analysis identifies the growing demand for packaged food as one of the key growth factors for the global antimicrobial coatings market. The extensive use of antimicrobial coatings can help in reducing food wastage.

This Special Issue of *Coatings* is intended to provide a forum for original research articles as well as critical reviews on current advances in the field of antimicrobial coatings and biofilms. Areas of interest include, but are not limited to:

- Characterization and development of bioactive and antimicrobial coatings/films/packaging
- Coatings and biofilms applications
- Innovative coatings formulations
- Coatings application in food industry, food packaging, and medical industry

Prof. Dr. Dan Cristian Vodnar

Guest Editor



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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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