

Membrane Coatings for Surface Bio-Modifications

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Message from the Guest Editors

Dear Colleagues,

We invite researchers to submit innovative and original works to this Special Issue “Membrane Coatings for Surface Bio-modifications”. Membrane coatings involve a variety of platform surface technologies that need inter- and multi-disciplinary approaches to work with. Since there are various biological and clinical applications that need spectacular functions, different bio-modifications via physical, chemical or biological methods on membrane coatings could enable the surfaces to become bioactive, bioinert, biostatic, biocidal and so on, or even multi-functional. Thus, the aim of this Special Issue is to present the latest experiments, technologies, and trials, by highlighting membrane coatings through a combination of original research papers, review articles, and trial papers from leading groups around the world.

The topics of interest include but are not limited to:

- Physical membrane for bio-modifications;
- Chemical membrane for bio-modifications;
- Biological membrane for bio-modifications;
- Clinical trial and animal trial;
- Techniques of coating and fabrication;
- Biological interaction with membrane coatings;
- Biofunctional coatings.



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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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