



Multifunctional Bioactive Coatings for Orthopaedic Applications

Guest Editor:

Dr. Chris Steffi

Department of Orthopaedic
Surgery, National University of
Singapore, Singapore 119077,
Singapore

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Message from the Guest Editor

Recently, scientists have innovated various kinds of surface coatings and surface treatments to tailor cellular activity at the bone–implant interface. Modifications to surface topology (e.g., roughness, morphology) and surface chemistry (e.g., coating with growth factors, osteogenic ions, osteogenic and antibacterial drugs, etc.) are known to improve osseointegration and longevity of the implants. This Special Issue of *Coatings* aims to present the latest developments in the field, through original research articles, reviews, and communications. Areas of interest include, but are not limited to:

1. Multifunctional coatings to improve bone cell activity;
2. Surface modification for localised delivery of drugs;
3. Surface coatings to improve osseointegration;
4. Novel coatings to suppress biofilm formation;
5. Innovative coatings to reduce fibrosis.





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ul. Wszechnicy Piastowskiej 3, 61-
614 Poznań, Poland

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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Coatings Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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