



## Innovations in Hybrid Biomaterials and Coatings

Guest Editor:

**Prof. Dr. Daniela Ionita**

Department of General  
Chemistry, Univeristy Politehnica  
of Bucharest, 011061 Bucharest,  
Romania

Deadline for manuscript  
submissions:

**closed (30 November 2021)**

### Message from the Guest Editor

Dear Colleagues,

Hybrid materials and nanocomposites represent one of the most promising classes of new materials, being at the cutting edge of technological innovations. One of the most important advantages of inorganic-organic hybrid materials is their simple processing technology, which allows for a tailored design for various applications. Their processing and composition allows them to be used for the production of transparent films, ideal for use as coatings. This Special Issue aims to obtain hybrid biomaterials and coatings, at the nanoscale level, with superior properties. In particular, the topics of interest include, but are not limited to:

Hybrid organic-ionorganic materials for medical application;

Hybrid polymer biomaterials for bone tissue regeneration;

Composite and nanocomposite biomaterials;

Biomimetic and bioactive coatings and scaffolds;

Surface modification of biomaterials;

Surface, interface thin films;

Corrosion and degradation of biomaterials;

Antimicrobial biomaterials and in vitro/in vivo evaluation.





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State Key Laboratory of New  
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NanoBioMedical Centre, Adam  
Mickiewicz University in Poznań,  
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  
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