

Special Issue

Specialized Coatings on Biomedical Materials

Message from the Guest Editor

We are seeking contributions to this Special Issue. Coatings play a prominent role in biomedical materials, enabling their use in challenging in vivo environments where these materials would not otherwise survive. Such coatings are used on implants, orthodontic wires, restorative materials, and instruments for dentistry, as well as on orthopedic implants and on other materials for a wide range of medical applications. Traditional materials science research on the composition–structure–property aspects of these coatings must be supplemented by an investigation of their performance under the harsh conditions of clinical environments, as well as by examination of retrieved materials after in vivo service.

The goals of this Special Issue are to examine the current status of special coatings on all types (metallic, ceramic, and polymeric) of biomedical materials, to provide information about advances in recent years, and to suggest directions where future research in this exciting area is needed.

Guest Editor

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Deadline for manuscript submissions

closed (31 October 2021)



Coatings

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.4



mdpi.com/si/26374

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About the Journal

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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