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Powder Composite Surfaces, Coatings and Films

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Message from the Guest Editors

Powder metallurgy is becoming more widespread in modern production. In this regard, it is of great interest to modify the surface of sintered materials with diffusion coatings aimed at increasing their operational properties.

The purpose of this Special Issue is to provide a comprehensive view of current advances and development prospects in the field of powder composite surfaces, coatings and films.

The scope of this Special Issue will serve as a forum for papers in the following topics:

- New methods of forming the structure and properties of the surface of powder materials;
- Functional powder composite coatings, including nanostructured and biocompatible coatings;
- Coatings from high-entropy alloys;
- Obtaining coatings by methods of thermal spraying, PVD technologies, laser deposition, composite soldering and sintering;
- Modification of the surface of sintered materials, including diffusion coatings.

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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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