

Special Issue

Surface Engineering and Materials for Powder Metallurgy Components

Message from the Guest Editor

Powder metallurgy has become a key enabling technology for the development of advanced materials and components with tailored microstructures, engineered surfaces, enhanced functional performance, and efficient use of resources. As a result, powder metallurgy now plays a central role in the design and manufacturing of high-performance components where surface integrity, durability, and multifunctionality are critical. This Special Issue of *Coatings*, titled “Surface Engineering and Materials for Powder Metallurgy Components”, is dedicated to highlighting recent advances in materials design, processing routes, surface engineering approaches, and functional performance of powder-processed components. Contributions focusing on emerging approaches such as additive manufacturing, surface functionalization, mechanical alloying, and computational modeling are especially encouraged, as well as case studies and industrial applications of surface-engineered powder metallurgy components. We look forward to receiving your contributions.

Guest Editor

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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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