

Special Issue

Powder Composite Surfaces, Coatings and Films

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.

Guest Editors

Dr. Ivan Shorstkii

Advanced Technologies and New Materials Lab, Department of Technological Equipment and Life-Support Systems, Kuban State University of Technology, Moskovskaya 2, 350072 Krasnodar, Russia

Prof. Dr. Evgeny Sokolov

Department of Car Service and Material Science, Kuban State Technological University, Moskovskaya 2, 350072 Krasnodar, Russia

Deadline for manuscript submissions

closed (31 December 2021)



Coatings

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.4



mdpi.com/si/63831

Coatings
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
coatings@mdpi.com

[mdpi.com/journal/
coatings](https://mdpi.com/journal/coatings)





Coatings

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.4



[mdpi.com/journal/
coatings](https://mdpi.com/journal/coatings)



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.

Editors-in-Chief

Prof. Dr. Wei Pan

State Key Laboratory of New Ceramics and Fine Processing, School of Materials Science & Engineering, Tsinghua University, Beijing 100084, China

Dr. Emerson Coy

NanoBioMedical Centre, Adam Mickiewicz University in Poznań, ul. Wszechnicy Piastowskiej 3, 61-614 Poznań, Poland

Author Benefits

Open Access

— free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Physics, Applied) / CiteScore - Q2 (Surfaces, Coatings and Films)