

Special Issue

Advances in Ceramic Materials and Coatings

Message from the Guest Editors

Ceramic materials have received widely attention and have been researched owing to their excellent properties, such as high melting point, high hardness, high mechanical properties, good corrosion resistance, high oxidation resistance, and so on. These properties make them successfully applied in many fields, including coatings, high temperature-parts, cutting tools, engineering, packaging substrates, and so on. Research about new ceramic materials, new technologies for preparing ceramic materials, and improved ceramic materials with superior properties is increasing, and many key problems related to their preparation and the improvement of their properties have been solved. Therefore, we developed this new Special Issue of *Coatings* that will collect original research articles and review papers focusing on recent important challenges and developments in the field of ceramic materials and coatings.

Guest Editors

Dr. Zhigang Yang

School of Materials Science and Engineering, Shijiazhuang Tiedao University, Shijiazhuang 050043, China

Dr. Hongya Wu

School of Materials Science and Engineering, Shijiazhuang Tiedao University, Shijiazhuang 050043, China

Deadline for manuscript submissions

28 February 2027



Coatings

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.4



mdpi.com/si/215599

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), Ei Compendex, CAPlus / SciFinder, and other databases.

Journal Rank:

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