

Special Issue

Novel Cleaner Materials for Pavements

Message from the Guest Editors

Due to the escalating demands for pavement service levels, the requirements of eco-friendly and low-carbon development, and the advances in materials science and cross-discipline research, the pursuit of cleaner and more sustainable materials has witnessed significant growth in recent years. Meanwhile, it is widely recognized that pavement materials are pivotal in shaping the construction and maintenance of road engineering. Thus, in order to promote the pioneering of cleaner materials for pavements, we are thrilled to launch this new Special Issue in *Coatings*, dedicated to collating original research articles as well as comprehensive review articles. This Special Issue focuses on the newest research in cleaner and more sustainable materials in the fields of pavement engineering. We place a strong emphasis on interdisciplinary research and practical application. Potential topics include, but are not limited to, the following:

- Recycled waste materials in pavements;
- Bio-based materials;
- Chemistry of alternative binders;
- Low-emission materials;
- Low-noise materials;
- Functional pavement materials.

Guest Editors

Dr. Junfeng Gao

Prof. Dr. Peng Guo

Dr. Jue Li

Dr. Chonghui Wang

Dr. Ziyi Ma

Deadline for manuscript submissions

closed (20 September 2025)



Coatings

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.4



mdpi.com/si/185138

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)