



Science and Technology of Pavement Coatings Materials

Guest Editors:

Prof. Dr. Hao Wu

School of Civil Engineering,
Central South University,
Changsha 410075, China

Prof. Dr. Wei Cao

Road Engineering Department,
School of Civil Engineering,
Central South University,
Changsha 410075, China

Deadline for manuscript
submissions:
closed (31 March 2024)

Message from the Guest Editors

Dear Colleagues,

The rapid development of the global social economy and the challenges it poses to the environment have been strongly supported and affected by pavement infrastructure. New theories, new methods, new technologies, and new materials related to pavement engineering are continuously emerging.

This Special Issue aims to present innovative and state-of-the-art science and technology on a variety of topics with the goal of developing new pavement coating materials and solutions for sustainable pavements that will facilitate the efficient utilization of energy, expand the functionality of pavement materials, and extend the life of pavement. The scope of this Special Issue will serve as a forum for papers on the following topics:

- New and modified pavement materials;
- Pavement materials with low energy consumption;
- Functional pavement materials and structures;
- Environmentally friendly pavement materials;
- Waste recycling in the application of pavements;
- Recycling of asphalt pavement materials;
- Sustainable development and sustainability of pavement systems.





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

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.

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, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Physics, Applied*) / CiteScore - Q2 (*Surfaces, Coatings and Films*)

Contact Us

Coatings Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/coatings
coatings@mdpi.com
X@Coatings_MDPI