coatings

an Open Access Journal by MDPI

IMPACT FACTOR 2.8

CITESCORE 6.1

Recent Advanced in Coatings on Iron Alloys

Guest Editors:

Dr. Henryk Kania
Department of Metallurgy and Recycling, Faculty of Materials Engineering, Silesian University of Technology, Krasińskiego 8, 40-019 Katowice, Poland

Prof. Dr. Mariola Saternus
Department of Metallurgy and Recykling, Silesian University of Technology, Krasińskiego 8, 40-019 Katowice, Poland

Deadline for manuscript submissions:
closed (31 December 2021)

Message from the Guest Editors

The scope of this special issue "Recent Advanced in Coatings on Iron Alloys" covers research on the latest developments in the field of coatings production, structural characteristics, research on properties and physicochemical phenomena occurring during the formation of coatings on iron alloys. The main coating technologies include hot-dip galvanizing, thermal spraying, electrogalvanizing, organic coatings, electroless coatings, conversion coatings, as well as PVD and CVD methods and others. The scope of the application of the coatings includes coatings resistant to electrochemical and high-temperature corrosion, coatings resistant to erosion and tribological wear, as well as coatings for operation in particularly difficult conditions, such as coatings resistant to liquid metals. The production of coatings should refer to iron alloys such as ordinary quality carbon steels, alloy steels, cast steel, various grades of cast iron, but also special-purpose steels, such as reinforcement steel, high-strength steels after heat treatment, etc.
We invite all researchers interested in the technology of producing coatings on iron alloys to present their results.

Dr. Henryk Kania
Guest Editor

coatings

an Open Access Journal by MDPI

IMPACT FACTOR 2.8

CITESCORE 6.1

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), Ei Compendex, 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