Special Issue

Construction and Application of Superhydrophobic Surface

Message from the Guest Editors

The fabrication of superhydrophobic surfaces due to its numerous industrial applications, such as self-cleaning, anti-corrosion, anti-icing, icephobic properties, and oil/water separation has been one of the most attractive research areas in recent decades. This Special Issue will focus on new concepts regarding the fabrication of durable superhydrophobic coating for large-scale interfaces, using various adhesives to construct superhydrophobic surfaces, the characterization of surface chemistry, and the morphological properties and commercial application of superhydrophobic surfaces. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Construction and charactrization of durable superhydrophobic surface;
- Application of superhydrophobic surface to oil–water separation;
- Synthesis of superhydrophobic adsorbents and investigation of environmental applications;
- Oil-spill management by superhydrophobic surfaces.

We look forward to receiving your contributions.

Guest Editors

Dr. Reza Norouzbeigi

School of Chemical, Petroleum and Gas Engineering, Iran University of Science and Technology (IUST), Tehran, Iran

Dr. Elmira Velayi

Department of Chemical Engineering, Azerbayjan Shahid Madani University, Tabriz, Iran

Deadline for manuscript submissions

closed (10 November 2023)

Coatings

an Open Access Journal by MDPI

Impact Factor 3.4
CiteScore 6.1

mdpi.com/si/148803

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

mdpi.com/journal/coatings

Coatings

an Open Access Journal by MDPI

Impact Factor 3.4
CiteScore 6.1

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)

MDPI