Special Issue

Water and Oil Repellent Surfaces

Message from the Guest Editor

In the last two decades, materials of extreme wetting properties (MEWP) have received significant attention, as they offer new perspectives providing numerous potential applications. Recent studies suggest that metals, semiconductors, ceramics, polymers (natural and synthetic), and modern materials such as nanocomposites and graphene can be tuned to MEWP following cost-effective and eco-friendly methods and materials.

The scope of this Special Issue will serve as a forum for papers on the following concepts:

- Water-repellent coatings for building protection;
- Waterborne coatings with extreme wetting propeties;
- Water-repellent cellulose surfaces (fabrics, paper);
- Robust ; Transparent ; Self-recovery water/oil repellent surfaces;
- Water-repellent coatings for automobiles, aircrafts, and ships;
- Graphene: from superhydrophilic to superhydrophobic surfaces.

Guest Editor

Prof. Dr. Ioannis Karapanagiotis

Department of Chemistry, Aristotle University of Thessaloniki, 54124 Thessaloniki, Greece

Deadline for manuscript submissions

closed (30 July 2020)

Coatings

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.4

mdpi.com/si/26693

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 2.8
CiteScore 5.4

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

Journal Rank:

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

MDPI