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Superhydrophilic, Superhydrophobic, and Slippery Surfaces

Guest Editors:

Dr. Amani Khaskhoussi
Department of Engineering, University of Messina, Contrada di Dio, 98166 Messina, Italy

Prof. Dr. Edoardo Proverbio
Department of Engineering, University of Messina, Contrada di Dio, 98166 Messina, Italy

Deadline for manuscript submissions:
closed (20 August 2023)

Message from the Guest Editors

Dear Colleagues,

We would like to invite you to contribute to the Special Issue “Superhydrophilic, Superhydrophobic, and Slippery Surfaces”.

Exploring, controlling, and modifying the wettability of materials can widen their scope in various applications and improve their compatibility with different environments. Surface functionalization through the texturing or coating deposition has become prolific in recent years. These functionalized surfaces span the gamut of disciplines from medicine to science to engineering.

This Special Issue aims to collect the most significant developments in surface and interface engineering aimed to enhance materials’ surface performances in aggressive environments and demanding contact conditions.

Experimental, numerical, and theoretical research on anti-wetting and super-wetting surfaces prepared by different techniques on a variety of substrates, such as metallic, inorganic, organic, and composites is welcomed.

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Editor-in-Chief

Prof. Dr. Maryam Tabrizian
1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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𝕏@Materials_Mdpi