Special Issue

Wetting of Polymer Surfaces

Message from the Guest Editor

Researches within surface engineering, targeting, for example, medical device and biotech applications, or even photovoltaic systems, have largely moved from silica-based to polymer-based materials platforms. In order to enable efficient engineering solutions for applications, more research on the wetting properties of polymer surfaces is required. With this Special Issue, we welcome papers that address the above-mentioned challenges. We will consider the full breadth of papers reporting basic research on the wetting properties for polymer surfaces to engineering approaches and application-focused papers, employing a polymer materials platform. In particular, the topics of interest include but are not limited to the following:

- Superhydrophobic/superhydrophilic surfaces;
- Superoleophobic surfaces;
- Surface tension;
- Contact angle/contact angle hysteresis;
- Superamphiphobic surfaces;
- Superwetting surfaces;
- Anti-fog surfaces;
- Anti-ice surfaces;
- Shape-memory effects.

Guest Editor

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Deadline for manuscript submissions

closed (20 September 2020)

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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.

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