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# Improvement of Surface Wettability Using Pulse Laser Technology

Guest Editor:

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Deadline for manuscript submissions:
**closed (28 February 2022)**

## Message from the Guest Editor

We would like to invite you to submit your research works to our Special Issue—"Improvement of surface wettability using pulse laser technology".

In particular, topics of interest are the following:

- Direct/one-step laser modification on material surfaces (metals, metal alloys, metal oxides, ceramics, polymers, composites, 2D materials, etc.);
- Combination of pulse laser technology and chemical coating processes (dip coating, CVD, spray coating, etc.);
- Laser-induced periodic surface structures for wettability change;
- Mechanisms for wettability transition (hydrophilic to hydrophobic, oleophilic to oleophobic, etc.);
- Application of treated surfaces (self-cleaning, water–oil separation, anti-icing, drag reduction, water collection, microfluidics, etc.)

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## 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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