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Micro/Nanomaterials for Heat Transfer, Energy Storage and Conversion

Guest Editors:

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Dr. Yasong Sun

Dr. Zhaolong Wang

Dr. Boxiang Wang

Deadline for manuscript submissions:
closed (31 December 2023)

Message from the Guest Editors

We are pleased to invite you to submit your work to this Special Issue of *Coatings* on "Micro/Nanomaterials for Heat Transfer, Energy Storage and Conversion".

Micro/Nanomaterials are known to exhibit a number of interesting physical properties with excellent performance in the fields of heat transfer, energy conversion and storage, which also have great promise in nanoscale electronics, sensors, photonics devices and biomedical applications. With the continuous increase of CO_2 emission and the shrinking of fossil energy supply, there is a great demand for clean and renewable energy technologies. Towards this aim, we are establishing a Special Issue of *Coatings*, which provides a platform for researchers in related fields to publish their research efforts.

In this Special Issue, original research articles and reviews are welcome. Research areas may include, but are not limited to, the following:

- Theoretical and experimental research, new ideas in heat transfer, energy storage and conversion using micro/nanomaterials;
- Synthetic and natural characterization of advanced energy storage micro/nanomaterials.

We look forward to receiving your contributions.

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Message from the Editorial Board

Now more than ever, research is called for to produce technologies and improve knowledge 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 at the center of most contemporary research. Surface science and engineering play a key role in this regard. Refining surfaces and their modifications provides new materials, architectures and processes with a huge potential to aid most societal challenges. *Coatings* is a well-established, peer-reviewed, online journal that focuses on the dissemination of publications in the field of surface science and engineering. *Coatings* publishes original research articles that report cutting-edge results and review papers on the hottest topics.

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