



Water Treatment Membranes and Their Applications

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Message from the Guest Editors

Dear Colleagues,

The scope of this Special Issue is coatings for the applications of water treatment, which includes electrospun nanofibrous membranes, microfiltration membranes, ultrafiltration membranes, nanofiltration membranes, waste water treatment, industrial water treatment, desalination, water recycling, and the circular economy.

In particular, the topics of interest include but are not limited to:

- Water recycling, a circular economy perspective;
- Electrospun nanofiber coatings for water treatment applications;
- Thin Film composite coatings for water treatment applications;
- Coatings for solvent dehydration;
- Forward osmosis membranes coating.

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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.

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