

Electrophoretic Deposition

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submissions:

closed (31 December 2017)

Message from the Guest Editors

Dear Colleagues,

For this Special Issue, we are inviting papers in the general field of EPD as a processing technique for the development of inorganic, organic, and hybrid coatings. Topics of interest for this Special Issue include, but are not limited to:

- Novel experimental setups for EPD
- Substrate surface treatments and coatings by EPD
- Colloidal chemistry knowledge in EPD
- Microstructure design tools applied to EPD coatings
- Nanostructured coatings by EPD
- EPD for corrosion or oxidation protective coatings
- EPD coatings in biofunctionalization of surfaces
- EPD coatings in energy storage and generation devices
- EPD coatings in optoelectronic and magnetic devices and sensors
- EPD in additive manufacturing of patterns

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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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