



Powder and High-Solid Coatings

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Organic coatings are the most used and effective method to guarantee corrosion protection properties for metal alloys. In particular, for steel and aluminum alloys, paints could guarantee excellent protection and the physical appearance due to surface finishing and colors. Traditionally, for the application of paints, organic solvents are used in the production of Volatile Organic compounds (VOCs) and have a high impact on the environment and problems regarding safety during application. In the last few decades, several environmental protection regulations have searched for a way to reduce the emission of VOCs, which motivated researchers, professionals, and industry to develop solvent-free coatings technologies.





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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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