

Special Issue

Coatings for Building Applications

Message from the Guest Editors

The protection of buildings with smart coatings has long been a challenge for the coating industry, due to the impact of pollutants and synergism of climate parameters, intensively affecting the building façade. Into this framework, research activities were addressed and focused on self-cleaning, hydrophobic, and super-hydrophobic coatings, exhibiting durability to the environmental loading and compatibility to the building substrate. In this Special Issue, contributions on the above topics will be welcomed, and authors are encouraged to submit their works concerning inorganic and organic coatings with specific properties addressing both building and environment protection. The topics of interest include but are not limited to the following:

- Photocatalytic and self-cleaning coatings;
- Hydrophobic, super-hydrophobic, and water/oil repellent actions;
- Coatings with biocidal and antifungal functions;
- Anti-graffiti properties;
- Energy-efficient paints;
- Renders with nano-additives;
- Coatings with CO₂ sequestration action.

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2024)



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About the Journal

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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