

Special Issue

Properties and Applications of Organic Polymer Coatings

Message from the Guest Editors

Coatings play an important and growing role in the industry, as well as in ordinary life. The purpose of applying coatings may be decorative, functional, or both. An example of all of these types of coatings is a product label on many drinks bottles, where one side has an all-over functional coating (the adhesive) and the other side has one or more decorative coatings in an appropriate pattern (the printing) to form the words and images. It is expected that certain properties of coatings are required for processing their application. The present issue is supposed to present the recent achievements in the area of formulation on new cost-effective coatings with specific non-trivial properties (hardness, permeability, fluorescence, nanostructuring, durability). New ways of curing coatings are of special interest. We welcome publications on photopolymerization of coatings by UV-, VIS-, NIR-lights, the use of LED light sources. The evolution of the structure and molecular mobility of coatings upon cure is also in special focus.

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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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