Special Issue

Surface Activation of Polymer Materials

Message from the Guest Editors

In recent decades, there has been a huge interest in surface science of polymer materials. Wherever polymer material comes into contact with another material, surface properties play a significant role. By applying appropriate techniques to modify the surface layer of polymeric materials, completely new or improved surface properties can be induced without affecting their volumetric properties. Altering the chemistry of surface by introducing chemical groups or charges on the surface or physical changes created on the surface through etching, ablation, roughening, wavy shapes, and voids formation is often referred to as the surface activation method. The surface of polymer materials can be activated by any of the physical or chemical methods like laser, corona or discharge treatments, or using acid or another compound to induce reduction or oxidation reactions onto the surface of polymer materials. In that context, the current issue is open for scientific research on the molecular and atomic level of polymer properties determined with specific surface analytical techniques and/or computational methods, as well as the processing of such surface activations and their applications.

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As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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