

Special Issue

Nano-Patterned Surfaces in Soft Matter

Message from the Guest Editor

Fabrication of patterned soft matter surfaces with resolution below about 30 nm are problematic by using well-established methods like optical and electron beam lithography. This Special Issue of the International Journal of Molecular Sciences aims at collecting frontier research articles and review papers where researchers are encouraged to present their experimental, theoretical and numerical advances in the development and application of novel, alternative techniques for the nanofabrication of patterned surfaces of soft materials in an effort to reach a better unifying and predictive picture. Prospective contributions include, but not limited to, direct-write methods like soft lithography, thermal scanning probe lithography, nanoimprint lithography. Bottom-up non-lithographic patterning approaches using self-organizing materials with tunable nanoscopic structures like block copolymers or gold nanoparticles are of interest. Novel options for nano-patterned morphologies triggered by surface instabilities driven by polymer architecture, phase separation, mechanical stresses and electric fields will be also considered.

Guest Editor

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closed (30 September 2022)



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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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