Special Issue

Molecular Insights into Soft Materials

Message from the Guest Editors

From hydrogels, plastics, elastomers, and liquid crystals to polymeric composites, soft materials have emerged as a versatile platform in various applications, including wearable devices, biomedical implants, intelligent/responsive materials, the food industry, chemical/biological material recycling, substance absorption/separation, energy storage, and catalysis. These diverse applications stem from the emergent chemical, electronic, optical, and mechanical properties inherent in soft materials, facilitated by meticulous control over their nano-, meso-, and macroscopic structures. At the core of this multi-level manipulation lies the mastery of a molecular-level structure, serving as the foundational basis for all functionalities. This Special Issue aims to present an updated view on achieving advanced material structures, properties, or functions through molecular design. We welcome research articles and review manuscripts that align with the aforementioned aspects, contributing to a deeper understanding of the molecular intricacies underlying the remarkable features of soft materials.

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

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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