

Special Issue

Conducting Polymers

Message from the Guest Editor

Conjugated polymeric semiconductors have proven to be notable in their role as a tenuous carrier transfer layer for molecular electronics. The simplicity of dilution as well as retentive machine features, and the extensively perfected carrier transfer properties, have spurred the broad exploration of these semiconducting materials in the realms of both science and manufacturing. In conjugated polymers' conformational order, packing are known to have a significant influence on much of their optoelectronic properties, including their emission properties. These structural features, therefore, have to be controlled and tuned to efficiently exploit the emission properties of this class of materials, i.e. in solution-processable, potentially large-area, flexible, and lightweight optoelectronic structures such as OLEDs, integrated in highly stretchable information displays.

There are several methods available for the synthesis of conjugated polymeric materials, i.e. the Kumada process, Yamamoto polymerization, Suzuki–Miyaura polymerization, Heck polymerization, Sonogashira polymerization, Gilch polymerization, and Stille polymerization.

Guest Editor

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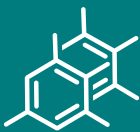


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As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, 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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