Special Issue

Polylactide-Based Materials: Synthesis and Biomedical Applications II

Message from the Guest Editor

The Special Issue “Polylactide-Based Materials: Synthesis and Biomedical Applications II” will be focused on the synthesis of polylactides and other polyesters with an emphasis on their self-assembly to nano- and microstructured materials. Research on complex structure formation via the self-assembly of block copolymers coupled with supramolecular interactions is welcome. Moreover, PLA and polyesters are biocompatible, and those macromolecules are approved by the Food and Drug Administration (FDA) for biomedical applications; therefore, it is frequently used for the construction of drug delivery systems or bioresorbable scaffolds for tissue engineering. It is desirable to show the preparation of nano- and microparticles from obtained macromolecules with methods such as microfluidics or spray-drying. Their anticancer, antimicrobial, or antiviral properties are the topic of interest. In summary, this Special Issue seeks original research and review articles concerning the synthesis and functionalization of polyester-based materials and their biomedical applications.

Guest Editor

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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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