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Lignocellulosic Biomass

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Message from the Guest Editors

Sustainable development, circular economy, reuse, recycle, valorize, produce rationally, etc., are all concepts that must be part of our daily lives. Their continuing development in most sectors of society can ensure an improved quality of life, both now and for future generations.

In maintaining this process, the scientific community plays a very important role in generating the basic knowledge that gives rise to technology and allows developments in the laboratory to be transferred to society. The integral valorization of lignocellulosic biomass is a fundamental pillar of sustainable development. Given the origin of this biomass, as well as its composition, lignocellulosic biomass is a vast resource. In fact, cellulose, hemicellulose, and lignin, and the extracts they contain, can be applied in multiple sectors: paper, textiles, pharmaceuticals, food, and energy, to name but a few.

In creating this Special Issue, focused on the valorization of lignocellulosic biomass, we aim to establish an invaluable source of information that will serve as a reference for other researchers.



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Special Issue



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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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