

Special Issue

Green and Sustainable Solvents

Message from the Guest Editors

The ideal solvent should address a number of requirements, including suitable physical and chemical properties, health safety, and a low environmental impact addressing regulatory concerns. Moreover, since 2007, solvents have been regulated at the European level under the Registration, Evaluation, Authorisation and Restriction of Chemicals regulation, known as REACH. In addition to intrinsic green properties and production from renewable resources, solvents sustainability also requires recovery procedures and reuse. Industry and academia have shifted their focus towards developing new bio-based solvents that are environmentally-friendly, as well as several combination on natural deep eutectic solvents. In the quest to achieve sustainability, leading solvent manufacturers have been collaborating with biotechnology firms to manufacture such greener solvents. This Special Issue is aimed at reporting recent advances in the field, and the new routes for green solvents toward industrial applications, highlighting, whenever possible, comparative aspects with classic organic solvents.

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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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