Special Issue

Azobenzene and Applications: From Catalysis to Biology

Message from the Guest Editors

Amongst the class of photochromic molecules and the large variety of applications in photoregulation, azobenzenes are the most intensively used and produced, with more than 60% of the total production in the organic dyes domain, as an example. Diazo can switch reversibly from the *trans*-isomer to the *cis*-isomer by torsion or inversion, under light or heat, and this is—more than their color panel—their main specificity in their various applications. This Special Issue will bring together researchers from different disciplines with the aim of having recent advances and synopses of the azobenzenes field, from their synthesis to their applications in catalysis or biology. A particular interest would be paid to azobenzene synthesis from natural resources, the use of azobenzenic compounds as ligands or microreactors in catalytic processes, and to applications of azobenzenes for health purposes such as innovative antimicrobials or photopharmacological tools.

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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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