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Advances in Spiro Compounds

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Message from the Guest Editors

Dear Colleagues,

Spiro compounds are ubiquitous molecules, which contain a fused bicyclic system that share a single atom. The immense interest in spirocycles is fuelled by an extremely wide range of useful properties (anti-cancer, antibacterial, antifungal, anti-diabetic, anti-HIV, cytotoxic, diuretic, spasmolytic, antiphlogistic, anti-hypertensive, anti-depressant, anxiolytic, anti-fouling, anti-feedant, herbicidal, plant growth regulatory effects; photochromism; and hole-transporting ability.).

These properties have been translated into several practical applications which include marketed drugs; ophthalmic lenses and suncreening (for instance in sunglasses); auxiliary compounds in stereoselective syntheses, etc.; In addition, many other utilizations, such as new medications, chemical biosensing, controlled release drug delivery, molecular switches, and solar cells, are in a developmental phase.

This special issue will be devoted to this amazing class of compounds, covering recent key findings in any of the above research fields.

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Prof. Dr. Anthony J. Burke
Guest Editors



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Message from the Editor-in-Chief

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