Chemistry of Iminium Salts and Related Compounds

The twelve contributions of this issue deal with the chemistry of iminium salts and related compounds, such as imines, enamines, and tetrazenes. Almost all of these papers have been presented in part at the 5th Conference on Iminium Salts (ImSaT-5), Stimpfach-Rechenberg (Germany), September 11 - 13, 2001. In organic synthesis, iminium salts are used for a variety of different transformations. These heteroanalogues of carbonyl compounds are not always applied as preformed substrates or reagents but are frequently generated as reaction intermediates. For example, the iminium salts proper can be generated in situ from carbonyl compounds, imines, amines, and enamines, while amidinium salts are readily formed from amidines or orthoamides. Among other aspects, the papers in this issue illustrate the significance of iminium salts in functional group transformations, for the synthesis of functionalized heterocycles, and for the preparation of push-pull-substituted conjugated $\pi$ systems.

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