catalysts

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Hydrogen Bonding Activation

Guest Editor:

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Message from the Guest Editor

With the continuous efforts made by many research groups, a remarkable development of the asymmetric organocatalysis has been achieved in the last years. This discipline represents a complementary alternative to the most broadly explored metal and enzyme catalysis. The immense number of organocatalytic processes could be classified into four large groups depending on the nature of the catalytic activation and, among them, hydrogen-bond catalysis represents a significant contribution. Catalysts such as thiourea/urea derivatives or other already known or new structures acting through hydrogen bonding will be collected in this special issue. Even metal-organocatalysts, where hydrogen bonds have been also proposed as the key mode of activation, have room in this issue.