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Hydrogen Transfer Reactions

Guest Editor:

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Message from the Guest Editor

Hydrogen transfer reactions have been broadly used to reduce different carbon-carbon or carbon-heteroatom double bonds. These reactions are also involved in many biological transformations where the enzymes play a crucial role. The developed procedures are able to provide precious building blocks for natural or pharmaceutical products. Hydrogen transfer reactions are very important transformations able to generate new chiral centers when chiral catalysts are involved in the processes. Particularly, the asymmetric reduction of prochiral ketones or ketimines represents the most straightforward procedures for preparing chiral alcohols or amines. Therefore, this special issue will cover the most recent results in this interesting area of research by experts around the World. All new contributions centered in these investigations will be welcome!