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# Exploring Hydrogen Bond and Bronsted Acid Catalysis

Guest Editor:

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Deadline for manuscript submissions:
**closed (15 December 2019)**

## Message from the Guest Editor

Over the last two decades, hydrogen bond and Brønsted acid organocatalyzed approaches have emerged as promising subsets of catalysis and as such, they continue to receive tremendous attention from research groups.

Inherit mechanistic differences between Brønsted acid catalysis and hydrogen bond catalysis, however, are not always simple to delineate experimentally. The distinction between the two, broadly speaking, being Brønsted acid catalysis involves protonated ion pairs, while hydrogen bond catalysis involves hydrogen bond complexes. This divergent character while often overlooked, nevertheless, is paramount to mechanistic understanding. Computational studies provide an ideal means for differentiating between these two activation modes.

Submissions to this special issue entitled “Exploring Hydrogen Bond and Brønsted Acid Catalysis” are welcome in the form of original research papers or short reviews that reflect the state of research in hydrogen bond catalysis and Brønsted acid catalysis. This includes computational, kinetic and/or experimental focused contributions.