

Internal Webinar

Hypervalent Iodine Catalysis: Stereoselective Rearrangement of Alkenes and Functionalization of Enones

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The core objective of my talk will be primarily focused on the novel methodologies developed under transition metal-free reaction condition using hypervalent iodine as the catalyst or reagent. These methods presents an efficient route for the enantioselective hydroxy-oxyacylation of enones via I(III) catalyst, along with an umpolung MBH strategy for the intermolecular oxyacylation of enones using I(III) reagent. Apart from these successful strategies an efficient stereoselective rearrangement of un-activated olefins via aryl migration has also been achieved. Brief discussion of these results and quick overview of my Ph.D. work will summarize my talk.

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11:30 AM