

**Tentative Outline**  
**Special Issue for Current Organic Chemistry**  
*Guest Editor(s): Pengfei Li*

**TITLE: Organocatalytic enantioselective construction of functionalized six-membered ring skeletons with multiple chiral centers**

**Aims & Scope:**

Chiral six-membered ring skeletons are one of the most ubiquitous cyclic structures found in natural products and pharmaceuticals that exhibit various appealing biological properties. And polysubstituted chiral six-membered ring skeletons are important building blocks in organic synthesis. Owing to the prevalence of chiral six-membered ring skeletons, the synthesis of enantioenriched polysubstituted six-membered ring carbocycles and heterocycles has been a subject of active research.

Due to readily available organic compounds, cost effectiveness and environmental friendliness, organocatalytic transformations during the current decade have revolutionized synthetic organic chemistry. In particular, organocatalytic domino/cascade and multicomponent reactions are found to be an efficient synthetic tool for the synthesis of chiral cyclic derivatives.

This special issue will focus on the advancements in construction of chiral six-membered ring skeletons containing multiple stereocenters in the recent years. Only review articles summarizing the latest development in this specific field are welcome.

**Key words:** Six-membered ring, domino/cascade reaction, multicomponent reaction, organocatalysis, enantioselectivity

**Subtopics:**

- $\alpha,\beta$ -unsaturated aldehyde as substrate
- $\alpha,\beta$ -unsaturated ketone as substrate
- nitroalkene as substrate
- Multicomponent reactions

**Approximate Schedule:**

- Manuscript Submission Deadline: February 28th 2015
- Peer Review Due: March 2015
- Revision Due: April 2015
- Notification of Acceptance by the Guest Editor: May 2015
- Final Manuscript Due: June 2015