Aims & Scope:
Now-a-days, carbon-carbon and carbon-heteroatom bond-forming reactions are the backbone of synthetic organic chemistry. Scientists are constantly trying to develop new methods or modify techniques for such bond forming reactions leading to the syntheses of structurally diverse molecular entities. On the other hand, to save our ‘Mother Nature’ from the ever increasing chemical pollution, scientists are continuously modifying their chemical processes to make them sustainable. As a result, last decade has shown a tremendous outburst to carry out carbon-carbon and carbon-heteroatom bond-forming reactions by following green credentials. This thematic issue intends to highlight the current progress on the development of carbon-carbon and carbon-heteroatom bond forming reactions with special emphasis on greener aspects. The submitted Review Article/Mini-review/Current Frontier should consist of novel approaches and related to recent advances based on the sustainable developments. Topics related to the green solvents and reusable catalytic systems are also welcome.

Keywords: Mother Nature, carbon-heteroatom, diverse molecular entities. green credentials, bond-forming

Subtopics along with Contributing authors and abstract
The subtopics to be covered within this issue are listed below:

- C-C and C-heteroatom bond formations in aqueous medium
- C-C and C-heteroatom bond formations in non-conventional medium
- C-C and C-heteroatom bond formations via multi-component reactions
- C-C and C-heteroatom bond formations at ambient temperature
- C-C and C-heteroatom bond forming reactions under neat conditions
- Nano-catalyzed C-C and C-heteroatom bond forming reactions
- Photo-catalyzed C-C and C-heteroatom bond forming reactions
- Organo-catalyzed C-C and C-heteroatom bond forming reactions
- Ultrasound/microwave assisted C-C and C-heteroatom bond formations

Schedule:

Manuscript Submission deadline: November 30, 2019
Peer Review Due: December 10, 2019
Revision Due: December 25, 2019
Notification of acceptance by the Guest Editor: January 30, 2020
Final manuscripts due: February 28, 2020

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