Tentative Outline

Special Thematic Issue for the journal Current Organocatalysis

Title of the Thematic Issue

Guest Editors: Aparna Das and Bimal Krishna Banik

SUSTAINABLE REACTIONS IN THE SYNTHESIS OF HETEROCYCLES

- **Scope of the Thematic Issue:**

There has been a significant sustainable development in research with green methods in organic syntheses and catalysis. Many of these methods use water, ionic liquids, fluorous media, and supercritical fluids. The heterocyclic scaffolds have structural diversity and molecular complexity. The special issue of Current Organocatalysis (COCAT) will include the recent advances in the synthesis of biologically active heterocyclic compounds following environmentally benign conditions. Numerous eco-friendly approaches, for examples, catalytic, enzyme-induced, microwave-assisted, ultrasound-induced and photo-mediated reactions have become highly attractive in the synthesis of unique heterocyclic compounds in recent years. This subject contributes not only to chemical science but also to medicinal chemistry research.

Keywords:
Organic Synthesis, Catalysis, Heterocycles, Eco-friendly Approaches, Medicinal Values, Mechanism

Sub-topics:

The sub-topics to be covered within the issue should be provided:

- Microwave, Ultrasound and Reactions Following Green Chemistry
- Chemical Catalysis and Bio-Catalysis
- Reaction Mechanism
- .Medicinal Chemistry

Schedule:

- Thematic issue submission deadline: March 01, 2021

Contacts:

Guest Editor Name*: Aparna Das and Bimal Krishna Banik*
Affiliation*: Prince Mohammed Bin Fahd University*
Email: aparnadasam@gmail.com; bimalbanik10@gmail.com

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