

Tentative Outline

Special Thematic Issue for Mini-Reviews in Organic Chemistry

Advanced Bio-Based Carbon Materials

Guest Editor: *Glaysdon S. dos Reis*

Aims & Scope:

Global concerns on green-chemistry and sustainable development have oriented research and technological developments towards more eco-friendly materials and processes. With the increasing demand for energy and excessive depletion of non-renewable fossil fuels, biomass wastes (only natural, renewable carbon resource known) have attracted much attention during the past decade, especially on synthesis of the sustainable biofuel production, electricity, chemicals and eco-friendly materials. Among the eco-friendly materials, biomass wastes are reported as important precursors for the preparation of carbon materials which are used in a wide range of applications, such as adsorbent for waters and wastewaters treatment, catalysts support and electrode material for supercapacitors and batteries.

In this special issue, we invite researchers to submit review and mini-review articles as well as comments, on any of the below following potential topics, that will stimulate the continuing efforts in the preparation and application biomass carbon materials as well as their characterizations and applications. It is therefore my pleasure to invite you to submit a manuscript on any of the following potential topics;

Keywords: Bio-Based Carbon Materials, Carbon catalysts, water and wastewater treatment processes, Carbon electrode fabrication and Biomass transformation.

Subtopics:

The subtopics to be covered within this issue are listed below:

- Carbon catalysts synthesis and characterization
- Carbon materials for CO₂ captures and other organic compounds
- Carbon materials and its applications in water and wastewater treatment processes
- Carbon electrode fabrication and characterization
- Biomass transformation into functional materials.

Schedule:

- ✧ Manuscript submission deadline: June 1, 2020
- ✧ Peer Review Due: July 1, 2020
- ✧ Revision Due: July 15, 2020
- ✧ Announcement of acceptance by the Guest Editors: July 30, 2020
- ✧ Final manuscripts due: August 15, 2020

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