

Tentative Outline

Special Thematic Issue for Current Organic Chemistry

Waste Biomass Utilization for Value-added Green Products

Guest Editors: Dr. Umer Rashid; Dr. Abdul-Sattar Nizami; Dr. Mohammad Rehan

Aims & Scope:

Waste-to-valuable products are being considered as one of the best solutions to convert the waste biomass into green and environment-friendly products. The wide utilization of waste biomass as a potential source of fuels, power, recycled materials, valuable chemicals are well-recognized globally. The waste driven fuels are used in all sectors of society for production of electricity, transport fuel, heating and cooling source, and for industrial processes. These fuels not only solve the waste disposal issues but also generate enormous economic and environmental benefits. They are promising alternatives due to their renewable, sustainable and eco-friendly features. However, there are multiple challenges in conversion and efficient utilization of waste biomass into sustainable energy and fuels. Therefore, the purpose of this special issue (SI) is to focus on the best possible ways to convert the waste biomass into value-added and renewable products with an ambition to highlight the recent trends targeting the challenges and opportunities in this area.

Keywords: Waste biomass, Biofuel production, Green catalysts and Bioenergy production technologies

Subtopics:

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

- Conversion/Utilization of Waste Biomass Feedstocks into Fuels
- Micro-Algae and Macro-Algae Based Biofuels
- Development of Advanced Catalysts for Biofuels
- State-of-the-art Cost-Effective Bioenergy Production Technologies
- Use of Waste and Non-profitable Natural Resources for Optimization of Biofuel Production
- Life Cycle Assessment (LCA) of Value-Added Green Products
- Integration of Waste to Energy Technologies

Schedule:

- ✧ Manuscript submission deadline: 28/02/2018
- ✧ Peer Review Due: 30/04/2018
- ✧ Revision Due: 15/06/2018
- ✧ Announcement of acceptance by the Guest Editors: 30/06/2018
- ✧ Final manuscripts due: 31/07/2018

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