

Tentative Outline

Special Issue for “Current Biochemical Engineering” (Industrial prospect of biomass based biofuel production)

Guest Editor: Dr. Arindam Kuila

Aims & Scope:

Biofuel production from lignocellulosic biomass has several positive impacts to our society in terms of overcoming global warming, cost of fossil fuels etc. But lignocellulosic biomass based biofuel cannot commercialize due to several technological challenges (efficient pretreatment process, cost of cellulase enzyme, efficient strains which can ferment both pentose and hexose sugars etc) associated with it. The present special issue focused on present status and future prospect of industrial production of lignocellulosic biomass based biofuel. This special issue will be useful for further advancement of commercial production of lignocellulosic biofuel.

Keywords: Biofuel, Technological challenges, Commercial production

Subtopics:

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

- Development of efficient pretreatment technology for commercial production of lignocellulosic biofuel
- Bioprocess development for cost effective cellulase production
- Development of efficient saccharification process for commercial production of lignocellulosic biofuel
- Isolation/development of efficient strain for pentose and hexose sugar fermentation
- Utilization of byproduct of lignocellulosic biofuel for different value added product development

Schedule:

- Manuscript submission deadline: 1st September, 2019
- Peer review due: 1st October, 2019
- Revision due: 15th October, 2019
- Announcement of acceptance by the guest editor: 1st December, 2019

Contacts:

Name: Dr. Arindam Kuila
Guest Editor
Email: arindammcb@gmail.com