



Cellulose and Its Derivatives: Applications, and Future Perspectives

Guest Editor:

Dr. Shuangquan Yao
School of Light Industrial and
Food Engineering, Guangxi
University, Nanning, China

Deadline for manuscript
submissions:
closed (25 August 2023)

Message from the Guest Editor

Dear Colleagues,

Efficient separation of cellulose from lignocellulosic biomass is the premise of high-value utilization of cellulose. The separated cellulose is mainly used in chemical, energy, and materials applications. The chemical applications of cellulose mainly consist of hydrolysis and fermentation. Polysaccharides are prepared from the hydrolysis of cellulose. Bioethanol is obtained from the fermentation of cellulose. The preparation of bio-oil is the main research direction of cellulose in the field of energy. In recent years, the excellent application value of cellulose has attracted attention. The preparation, modification, and application of nanocellulose and microcrystalline cellulose in polymer composites will be the main research trend in the future.

The topics of interest for this Special Issue include but are not limited to the keywords listed below. Please do not hesitate to submit your paper to our special issue.

Dr. Shuangquan Yao
Guest Editor





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Editor-in-Chief

Prof. Dr. Alexander Böker

Lehrstuhl für Polymermaterialien
und Polymertechnologie,
University of Potsdam, 14476
Potsdam-Golm, Germany

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Polymers Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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