



## Cellulose and the Circular Economy

Guest Editors:

### Dr. Nolene Byrne

Institute for Frontier Materials,  
Deakin University, 75 Pigdons  
Road, Waurn Ponds, VIC 3216,  
Australia

### Dr. Rangam Rajkhowa

Institute for Frontier Materials,  
Deakin University, Geelong,  
Australia

Deadline for manuscript  
submissions:

**closed (20 January 2021)**

### Message from the Guest Editors

Dear Colleagues,

A critical component of the circular economy concept is material choice. Within this context, cellulose has reinvigorated importance for facilitating a circular economy in a variety of industries and applications. Cellulose is a fascinating natural polymer that can be extracted, functionalized, or regenerated into a variety of different products and end use applications. This is reflected in the many existing applications of cellulose materials as well as the emerging applications, expanding the already wide variety of possible cellulosic materials being increasingly reported. This Special Issue aims to connect the importance of cellulose as a key polymer to facilitate circular economy design, covering all aspects from extraction to regeneration, new applications, new processing methods, and fundamental understanding.

Dr. Nolene Byrne

Dr. Rangam Rajkhowa

*Guest Editors*





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Alexander Böker

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

## Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 5.0.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubMed, PMC, FSTA, CAPlus / SciFinder, Inspec, and other databases.

**Journal Rank:** JCR - Q1 (Polymer Science) / CiteScore - Q1 (General Chemistry)

## Contact Us

---

*Polymers* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/polymers  
polymers@mdpi.com  
X@Polymers\_MDPI