

## Special Issue

# New Insights into the Production of Polysaccharides and Their Derivatives for Challenging Sustainable Development

### Message from the Guest Editor

This Special Issue aims to give an overview of new insights into the production of poly- and oligosaccharides but also derivatives from these macromolecules for challenging sustainable development of the next decade. The topics for scientific research articles include, but are not limited to:

- Characterizing the structural features
- Monitoring new physico-chemical and/or biological properties
- Using various polysaccharide sources
- Synthetising oligosaccharides and/or derivatives using chemical, physical and/or enzymatic methods
- Proposing life cycle assessment, circular economy and/or sustainable development approaches
- Various fields for applications, such as biomaterials, biotechnology, bioprocess, pharmacology, energy, etc.
- Answering the socioeconomical needs of any country.

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### Guest Editor

Dr. Guillaume Pierre

Institut Pascal UMR CNRS 6602 Axe GePEB, Team 4Bio, Université Clermont Auvergne, 63170 Aubière, France

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### Deadline for manuscript submissions

closed (31 August 2023)



**Polysaccharides**

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**Impact Factor 5.5**  
**CiteScore 9.7**



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*Polysaccharides*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[polysaccharides@mdpi.com](mailto:polysaccharides@mdpi.com)

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## About the Journal

### Message from the Editor-in-Chief

*Polysaccharides* and their derivatives are ubiquitous biopolymers, and therefore, in recent years, their potential use has increasingly been explored. *Polysaccharides* are still the biggest class of biopolymers used in classical industries such as the paper and textile industries. The progress and fundamental aspects of the new synthesis pathways and derivatization routes, characterization, properties, as well as processing of polysaccharides are important for their possible application in modern sustainable functional materials and future green technologies. *Polysaccharides* is a new open access journal that will provide the rapid publication of scholarly articles on studies related to polysaccharides. Its mission is to publish cutting-edge articles, encouraging the application of a sustainability-based approach to many complex, interesting phenomena and breaking boundaries among different disciplines.

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### Editor-in-Chief

Prof. Dr. Karin Stana Kleinschek

Institute for Chemistry and Technology of Biobased Systems, Graz  
University of Technology, 8010 Graz, Austria

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### Author Benefits

#### High Visibility:

indexed within ESCI (Web of Science), Scopus, FSTA, CAPIus / SciFinder, and other databases.

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 25.4 days after submission; acceptance to publication is undertaken in 4.5 days (median values for papers published in this journal in the second half of 2025).

#### Journal Rank:

JCR - Q1 (Polymer Science) / CiteScore - Q1 (Engineering (miscellaneous))