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Impact Factor 4.1
CiteScore 7.7

Polysaccharides

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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.

Editor-in-Chief
Prof. Dr. Karin Stana Kleinschek

Aims

[*Polysaccharides,* ISSN 2673-4176] provides an advanced forum for studies related to polysaccharides and their derivatives, from basics to applications. *Polysaccharides* publishes reviews, regular research papers, and communications as well as Special Issues on particular subjects.

The aim of *Polysaccharides* is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. Therefore, the journal has no restriction on the maximum length of the papers. Full experimental details should be provided so that the results can be reproduced.

Scope

Polysaccharides must be the major proportion of the work reported, not a peripheral topic. At least one polysaccharide must be discussed and be the focus of the paper, for example, homopolysaccharides (starch, cellulose, chitin, glycogen, pullulan, xylan, etc.) and heteropolysaccharides (hyaluronic acid, chondroitin sulfate, heparin, pectin, xanthan gum, carrageenan, alginate, etc.).

- Synthesis, processing, analysis, functionalization and modifications of polysaccharides
- Isolation, extraction, purification and degradation of polysaccharides
- Chemical–physical properties analysis and characterization of polysaccharides
- Structure–property relationships of polysaccharides
- Polysaccharide-based materials and functional composites
- Applications of polysaccharides in cosmetics
- Medical applications of polysaccharides (e.g., drug delivery, tissue engineering, regenerative medicine)
- Applications of polysaccharides in environmental sciences (e.g., wastewater treatment)
- Applications of polysaccharides in food, nutrition or agricultural science
- Applications of polysaccharides in energy storage and harvesting
- Other industrial applications of polysaccharides (e.g., oil recovery)
- Glycobiology

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Rapid Publication

A first decision is provided to authors approximately 20.3 days after submission; acceptance to publication is undertaken in 3.5 days (median values for papers published in this journal in the first half of 2026)

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July 2026