

## Special Issue

# Coatings Using Chitosan and Its Derivatives

### Message from the Guest Editors

Chitosan is widely used as a biocompatible biomaterial for various purposes. Due to its strong positive charge, chitosan is readily attracted to the surface of nanoparticles, microbeads, fibres, lipid-based particles, etc., in the common process of chitosan coating.

Chitosan coating usually increases the stability of and imparts other biological functions on the coated system.

Moreover, chitosan is easily modified, producing several derivatives with novel functions which further promote the applications of chitosan coatings. Recent scientific and technological advances in many areas require innovative materials with multifunctional features. Coatings using chitosan and its derivatives promise feasible solutions to many such problems. However, there is still much work to be done in developing new chitosan coating systems to meet specific requirements and applications. In addition, it is imperative to understand the mechanisms of how chitosan coatings impact the coated materials. Herein, we are pleased to invite you to a Special Issue of “Coatings using Chitosan and its Derivatives” published in *Polymers*.

### Guest Editors

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### Deadline for manuscript submissions

closed (15 October 2023)



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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 4.7.

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.

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### Editor-in-Chief

Prof. Dr. Alexander Böker

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