Special Issue

Bio-Based Polyelectrolytes: Development and Applications

Message from the Guest Editors

In recent years, natural-based polyelectrolytes, also called bio-polyelectrolytes, have started catching the attention of the research community. The big advantage is that these molecules of different origin are biodegradable, usually nontoxic, and, also very important, they quite often correspond to the valorization of waste materials. Some examples of these bio-polylectrolytes are chitosan-based; cellulose-based; lignin-based; starch-based; alginate-based; and pectin-based polyelectrolytes as well as polyelectrolytes produced by micro-organisms. In this Special Issue, the objective is to bring together new developments in the field of bio-polyelectrolyte (natural-based polyelectrolyte) production, including use of different raw materials, pretreatment of the raw materials, waste valorization, modification procedures, toxicity and biodegradability evaluation, characterization methodologies, assembly of polyelectrolytes, and application in different fields, including industrial application

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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.

Editor-in-Chief

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