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Status and Progress of Soluble Polymers

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Deadline for manuscript submissions:
closed (5 March 2023)

Message from the Guest Editors

Polymers play an important role in various applied areas, including mining processing, the food industry, and paper. Its great importance lies mainly in its linear structure, and the ability to modify this structure under different operational conditions. Such characteristics allow polymers to be added at low doses and thus significantly change the properties of complex systems. This is due to their interaction with the medium or, in other words, their solubility. Therefore, it is necessary to study the chemical and electronic nature of polymers. First, the functional groups that constitute it can generate flexibility or rigidity of the main chain. If these functional groups also have an explicit electrical charge, they can respond to pH or salt. Knowing the structure and its behavior in the environment allows us to predict its effects at the macroscopic level and understand the phenomena that occur in real processes (at an industrial scale).

This Special Issue aims to contribute to the understanding of polymers on a molecular scale and the design and optimization of polymers dedicated to an application.

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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 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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