Special Issue

Advances and Current Challenges in Cellulase Recycling

Message from the Guest Editor

A rising demand for energy and other items commonly based in the petrochemical industry is creating alarming levels of greenhouse gas (GHG) emissions. Accordingly, great efforts have been made in targeting cleaner energy sources and alternative routes to chemical synthesis. In this sense, lignocellulosic materials have increasingly been used as a promising source of cellulose. However, the cost of cellulase remains one of the main bottlenecks of lignocellulosics conversion. The concept of cellulase recycling – enzyme recovery and reutilization on a subsequent round – has been getting increasing attention in regards to the role it plays in achieving important enzyme savings. This Special Issue will focus on recent advances over processes of cellulase recovery and reutilization, either referring to distinct enzyme recovery methods or new recycling schemes. Additionally, it will also look for the main challenges associated with a viable implementation of cellulase recycling on the hydrolysis of lignocellulosic materials.

Guest Editor

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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.

Editor-in-Chief

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