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Production and Application of Microbial Lignocellulose—Degrading Enzymes

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Deadline for manuscript submissions: closed (31 March 2021)

Message from the Guest Editors

Dear Colleagues,

Within the framework of a sustainable circular economy, cellulolytic enzymes play a key role through their conversion of lignocellulosic plant biomass, allowing for successful applications in biorefineries.

Microbial biodiversity offers a wealth of opportunities in screening for new robust lignocellulose-degrading enzyme activities. In this respect, metagenomic approaches are used to assess the microbial communities in unexplored environments as a potential reservoir of novel genes.

In this Special Issue, we invite submissions exploring:

- Molecular mechanisms of cellulase gene regulation and expression;
- Metagenomic studies for the identification of novel cellulases;
- Fermentative strategies for the production of lignocellulose-degrading enzymes;
- Lignocellulose-degrading enzymes and their application to bioprocesses.

We are looking forward to receiving your contribution.

Dr. Silvia Crognale Dr. Eleonora Carota *Guest Editors*



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Editor-in-Chief

Message from the Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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