



Biodegradation of Woody Components and Xenobiotics by Fungi

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Message from the Guest Editor

Dear Colleagues,

The development of biorefinery technology to produce biofuels and renewable chemicals is necessary for the prevention of global warming. Lignocellulosic biomass is the most abundant carbon-neutral source, and is considered attractive feedstocks for resources of second generation biorefinery. However, the presence of lignin in lignocellulose become an obstacle for the development of second generation biorefinery techniques.

In nature, lignin degradation by white-rot fungi is the key step in lignocellulose decay, and white-rot fungi are paid attention as biological ligninolytic tools. Moreover, white-rot fungi indicate several fermentable activities such as alcohol fermentation. Here, this special issue focuses “lignin biodegradation by white-rot fungi” to create renewable clean energy from lignocellulose.

Dr. Hirofumi Hirai

Guest Editor





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Message from the Editor-in-Chief

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