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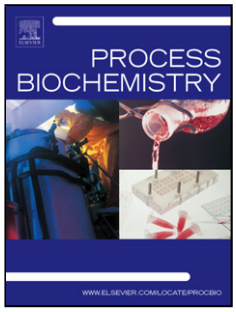

Title: Enzymatic Degradation of Lignocellulosic Biomass by Continuous Process Using Laccase and Cellulases with the Aid of Scaffoldin for Ethanol Production

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Highlights

The novelty and significant contribution of the submitted work:

1. Laccase complex was successfully generated by cohesin-dockerin interaction.
2. Assembled complexes caused a significant increase in the level of enzyme activity.
3. This is the first successful report that production of functional laccase complex.
4. Laccase complex represented enhanced decolorization of synthetic dyes.
5. Increasing laccase activities lead to efficient biomass-utilizing processes and ethanol production.

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