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Of enzyme use in cost-effective high solid simultaneous saccharification and fermentation processes

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Short title:

Cost-estimation of enzyme use in SSF

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Highlights

Economic feasibility of immobilized enzymes in SSF has been investigated.

Magnetic CLEAs recycling from high solids loading SSF process is possible with good efficiency.

Applying immobilized enzymes is more viable for expensive enzymes.

SSF - Simultaneous saccharification and fermentation

m-CLEAs - magnetic Cross-linked Enzyme Aggregates

SSDF - Simultaneous saccharification, detoxification and fermentation

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