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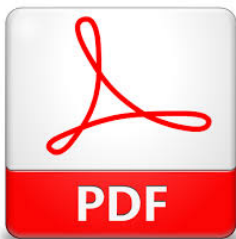
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**Abstract**

Lignocellulosic biomass is an abundant renewable resource which amounts to 1.3 billion tonnes per y

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