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# Production of levulinic acid from corn cob residue in a fed-batch acid hydrolysis process

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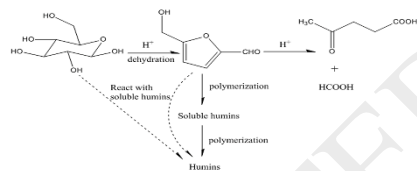
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Graphical Abstract



Highlights

- A fed-batch process for producing high concentration of levulinic acid
- The hydrolysis process could effectively reduce the consumption of sulfuric acid
- The soluble humin analogues affect the yield of levulinic acid
- The yield of levulinic acid was not influenced by lignocellulose, salts and ash

## ABSTRACT:

Levulinic acid (LA) is an important platform chemical, the production of which by using biomass resources such as corncob is of great significance to the sustainable development. Traditional hydrolysis processes yield low concentrations of levulinic

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