

Lignocellulosic biomass

Organosolv process for lignocellulosic biomass fractionation

Photo: Rossano Gambetta



Embrapa
Agroenergy

Organosolv process for lignocellulosic biomass fractionation

Raw material

Process

End product

Plant biomass

Biomass fractionation

Fractionated cellulose
and lignin

Organosolv process for lignocellulosic biomass fractionation that eliminates the washing step and decreases the precipitation of dissolved/extracted lignin on cellulose fibers.

Applications

- + Production of 2nd generation ethanol or xylonic acid from lignocellulosic biomass.
- + Textile and paper industry.

Advantages

- + Reduction of water and solvent use, energy consumption and investment in equipment.
- + Potential to obtain products with high added value, such as phenolic compounds.
- + Better use of reactor volume during the organosolv process.

Stage ► TRL/MRL 3 - Lab scale

Take this
technology
to another
stage



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with us
for other
potential
uses



Make this
technology
the basis
of your
incubated
company

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