



# Bioconversion of biomass to ethanol-an overview

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# Overview

- What is bioconversion?
- Why bioconversion?
- Sugar cane to ethanol
- Corn to ethanol
- Biomass composition
- Bioconversion to ethanol process
  - Pretreatment
  - Hydrolysis
  - Fermentation
- Pros and cons of bioethanol



# What is bioconversion?

- General: a process which uses biological agents (microorganisms or protein) to transform a feedstock into desirable products.

## Bioethanol

- A chemical/biochemical process by which lignocellulosic materials are converted to ethanol and other co-products.

