

Lecturer in Chemical Engineering

Areas of interest and expertise:

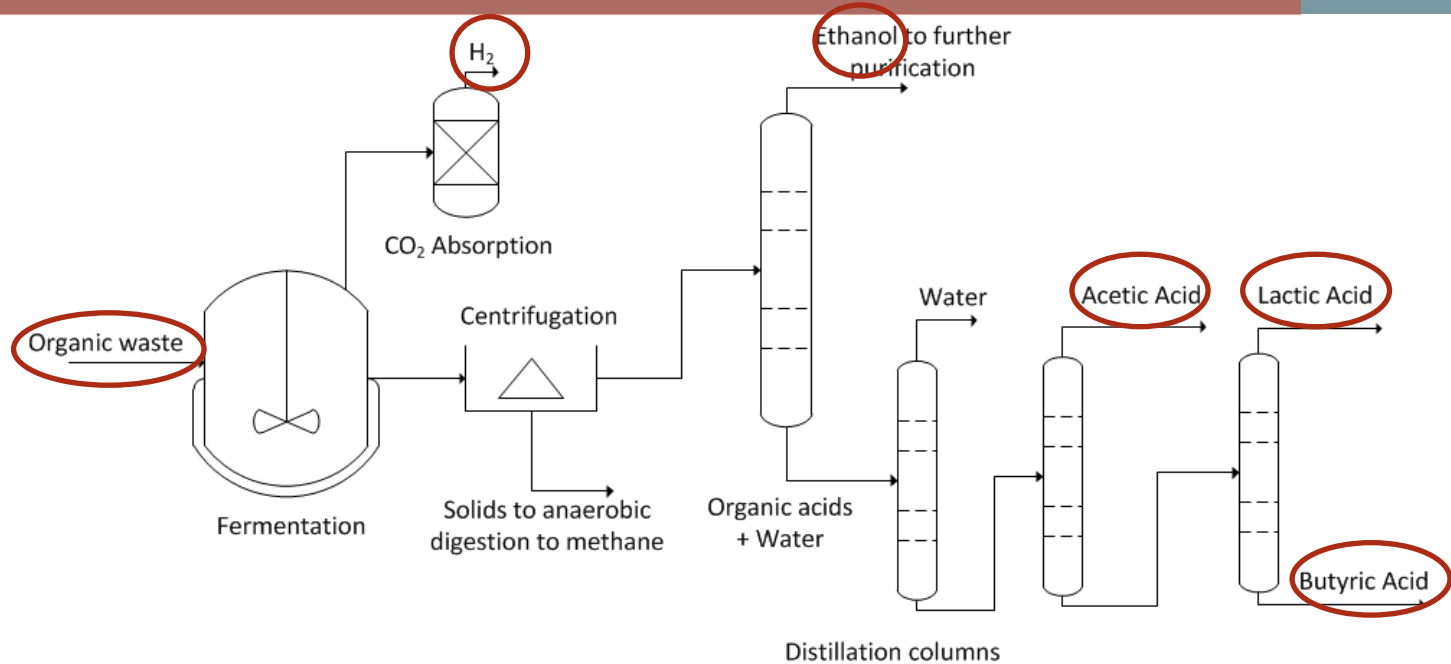
Mixed culture biotechnology

Biological wastewater treatment

Anaerobic digestion

Process development

In general I am interested in developing new processes, based on mixed culture biotechnology, which replace fossil fuels with renewable resources



Developing a new process to convert organic waste or wastewaters to ethanol, hydrogen and organic acids (mainly acetic acid) using mixed culture biotechnology.

Potential benefits:

- No food vs fuel competition (see current processes for bioethanol production)
- No use of fossil fuels (see current processes for hydrogen and acetic acid production)
- Safer and cheaper processes (see current processes for hydrogen and acetic acid production)