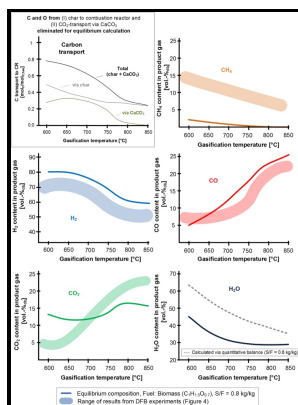


Behaviour of fuel-bound nitrogen in gasification and in high-temperature NH₃ removal processes.

- - Technologies for converting biomass to useful energy: combustion, gasification, pyrolysis, torrefaction and fermentation



Description: -

-Behaviour of fuel-bound nitrogen in gasification and in high-temperature NH₃ removal processes.

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Notes: SHORT ANALYTIC RECORD.

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5.1.3. Detailed Gasification Chemistry

The catalysis of N₂ formation at solid phase by the Ca is discussed in terms of the mobility of CaO particles, their agglomeration, and sulfur poisoning.

Enhancement of N₂ Formation from the Nitrogen in Carbon and Coal by Calcium

Increasing the algae gasification temperature led to increases in the temperature of peak char oxidation. In Chapter 3, we first introduce the experimental system, fuel and bed materials.

5.1.3. Detailed Gasification Chemistry

Box 2000 02044 VTT 02044 VTT FIN—02044 VTT, Finland Puh. Information required for safety analysis methods.

Energy & Fuels

A pursuit of safety is largely a matter of identifying hazards, eliminating them where possible or otherwise protecting against their consequences. Fixed-bed reactors are known for their ease of operation, but they typically result in higher tar yields than fluidized-bed gasifiers McKendry 2002; Warnecke 2000. The reactivity of the coal char was found to decrease rapidly with residence time until 0.

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