

Fungi and lignocellulosic biomass

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Abstrak

The plant biomass -- The actors : plant biomass degradation by fungi -- The tools, part 1 : enzymology of cellulose degradation -- The tools, part 2 : enzymology of hemicellulose degradation -- The tools, part 3 : enzymology of lignin degradation -- Catabolic pathways of soluble degradation products from plant biomass -- Regulation of formation plant biomass-degrading enzymes in fungi -- The fungal secretory pathways and their relation to lignocellulose degradation -- Production of cellulases and hemicellulases by fungi -- Production of fermentable sugars from lignocelluloses -- Lignocellulose biorefinery