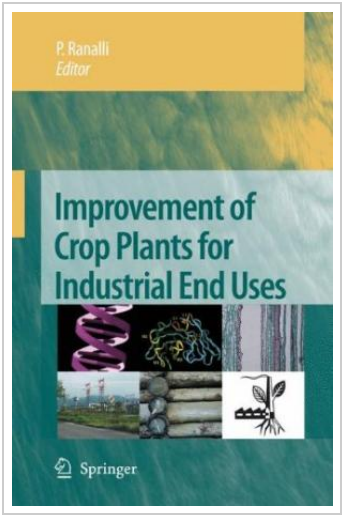

Improvement of Crop Plants for Industrial End Uses

By P. Ranalli

Springer Netherlands Feb 2007, 2007. Buch. Condition: Neu. Neuware - This book provides concerns useful to promote an increase of the productivity of crops by using functional genomics. Fundamental thematics have been addressed: metabolic engineering, plant breeding tools, renewable biomass for energy generation, fibres and composites, and biopharmaceuticals. The gained know how is relevant to identify bottlenecks in the major production chains and to propose actions for moving these issues forward. Advanced biotechnologies enable breeders to produce a whole generation of new crops for specialist needs ('designer crops'), including raw materials for the energy, chemical and pharmaceutical industries. This book provides concerns useful to promote an increase of the productivity of crops by using functional genomics (to understand the regulation of plant metabolism at molecular, cellular and whole plants), and the improvement of photosynthetic efficiency (to design new plants with enhanced raw materials percent and recovery). Fundamental thematics have been addressed: metabolic engineering, plant breeding tools, renewable biomass for energy generation, fibres and composites, biopharmaceuticals. The gained know how is relevant to identify bottlenecks in the major production chains and to propose actions for moving these issues forward: in particular to; i) produce new compounds by expressing foreign heterologous genes;...

Reviews

This publication is indeed gripping and exciting. I could comprehended almost everything using this composed e publication. I am easily could possibly get a delight of looking at a composed pdf.

-- ***Lynn Lindgren***

The most effective publication i ever go through. It really is writter in simple phrases and not hard to understand. I am just easily will get a satisfaction of looking at a written publication.

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