

D-Xylitol: fermentative production, application and commercialization

Silvio Silverio da Silva, editor

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Abstrak

This book aims to disseminate the most current advances in the biotechnological production of D-xylitol and its applications in medical and health care. This book also provides essential information on hemicellulose hydrolysis to recover D-xylose, detoxification of hemicellulose hydrolysates, and improved fermentation methods for increased D-xylitol production. The highlights of strain improvement to increase the D-xylitol titers and downstream recovery of D-xylitol are also discussed in several sections. The current applications of D-xylitol in medical and health care have been used to justify the cost incurred for setting up the demonstration plant for D-xylitol production in the market.