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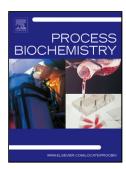
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ACCEPTED MANUSCRIPT

Effect of cosubstrate on xylitol production by *Debaryomyces*nepalensis NCYC 3413: a cybernetic modelling approach

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Graphical abstract Xylitol (0.60 g L-1 h-1) Xylitol Ethanol (0.55 g L-1 h-1) (0.74 g L⁻¹ h⁻¹) Cybernetic modelling approach Maximize **Xylitol** G10X100 G10X90 G6PDH G6PDH XR × XDH XDH v X: 100 g L⁻¹ G: 100 g L⁻¹

Glucose (G)

Xylose (X)

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