

Figure 1. Kinetics of glycerol bioconversion into 3-HP and 1,3-PDO by *Limosilactobacillus reuteri* DSM 17938 in the conditions of the central point (specific glycerol feeding rate of $50 \text{ mg}_{\text{gly}} \cdot \text{g}_{\text{CDW}}^{-1} \cdot \text{h}^{-1}$ and pH 6.0)

Blue diamond: consumed glycerol; green square: 3-HP; violet circle: 1,3-PDO; red triangle: 3-HPA; orange line: consumed NH_4OH ; grey circle: dissolved O_2 ; error bars correspond to standard errors from 3 replicates.

Figure 2. Effect of pH and specific glycerol feeding rate on 3-HP final quantity produced by *L. reuteri* DSM 17938

Figure 3. Effect of pH and specific glycerol feeding rate on 3-HP production yield by *L. reuteri* DSM 17938

Figure 4. Effect of pH and specific glycerol feeding rate on the specific 3-HP production rate by *L. reuteri* DSM 17938

Figure 5. Kinetics of glycerol bioconversion into 3-HP by *L. reuteri* DSM 17938 in the validation conditions defined by pH 6.0 and specific glycerol feeding rate of $80 \text{ mg}_{\text{gly}} \cdot \text{g}_{\text{CDW}}^{-1} \cdot \text{h}^{-1}$ (filled symbols) and in the conditions of the central point (pH 6.0 and $50 \text{ mg}_{\text{gly}} \cdot \text{g}_{\text{CDW}}^{-1} \cdot \text{h}^{-1}$; in triplicate; empty symbols)

Square: 3-HP quantity; diamond: quantity of consumed glycerol; continuous line: quantity of consumed NH_4OH in the validation condition; dashed line: quantity of consumed NH_4OH in the reference condition.

Figure 1

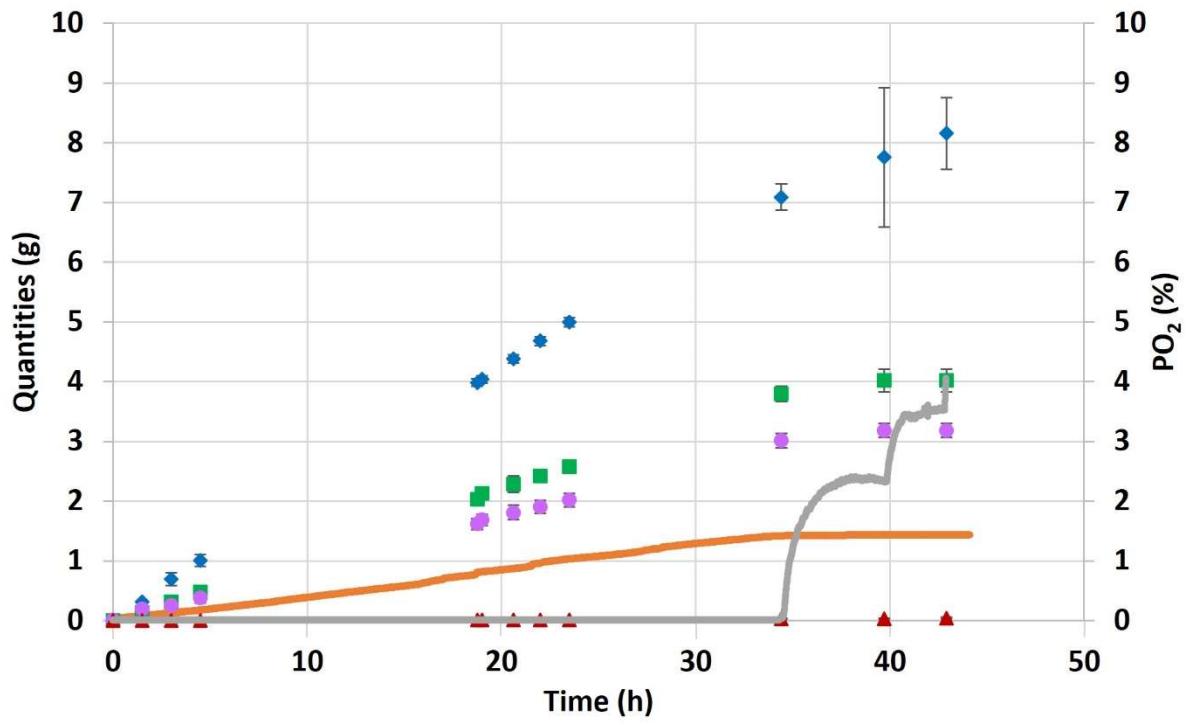


Figure 2

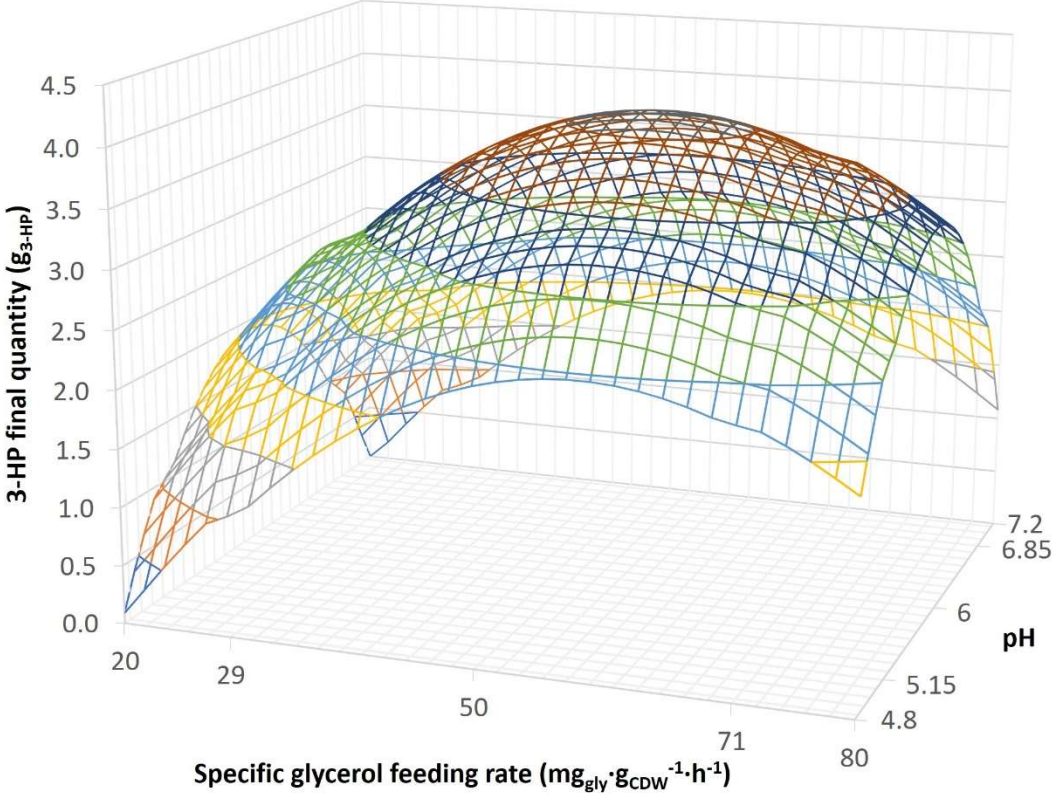


Figure 3

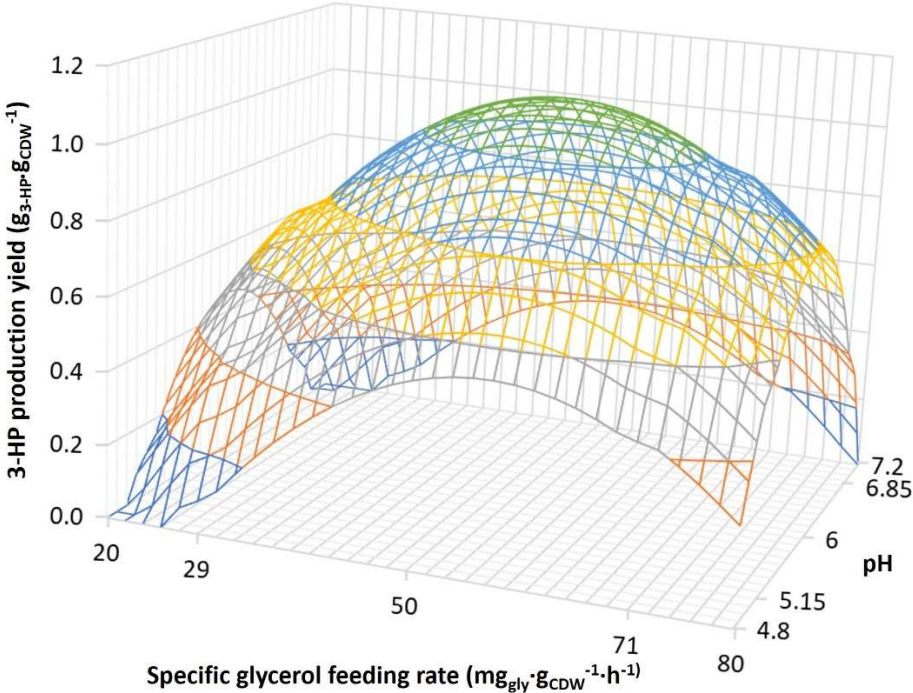


Figure 4

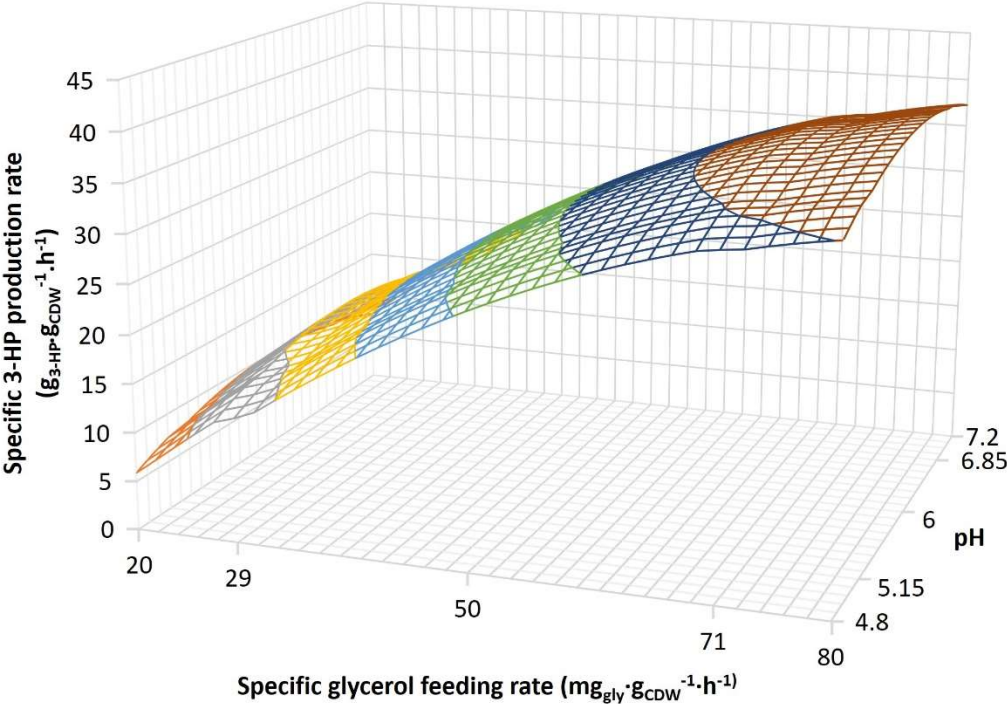


Figure 5

