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OLD MANUSCRIPT

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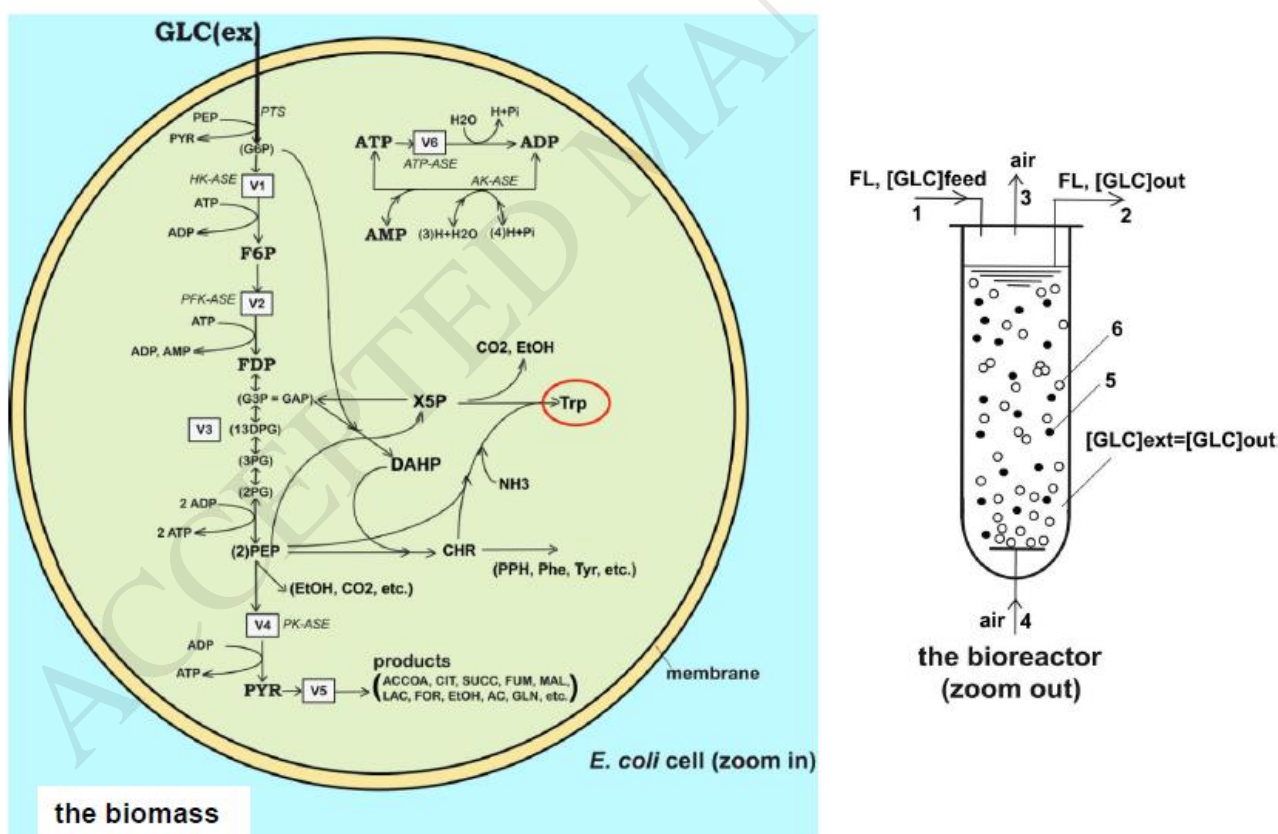
In silico optimization of a bioreactor with an *E. coli* culture for tryptophan production by using a structured model coupling the oscillating glycolysis and tryptophan synthesis

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Graphical Abstract



Highlights.

- oscillatory glycolysis has been reported in a broad range of bacteria
- tryptophan synthesis is an oscillatory metabolic process of high practical interest

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