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The technical, economic and energy assessment of an alternative strategy for mass production of biomass and lipid from microalgae

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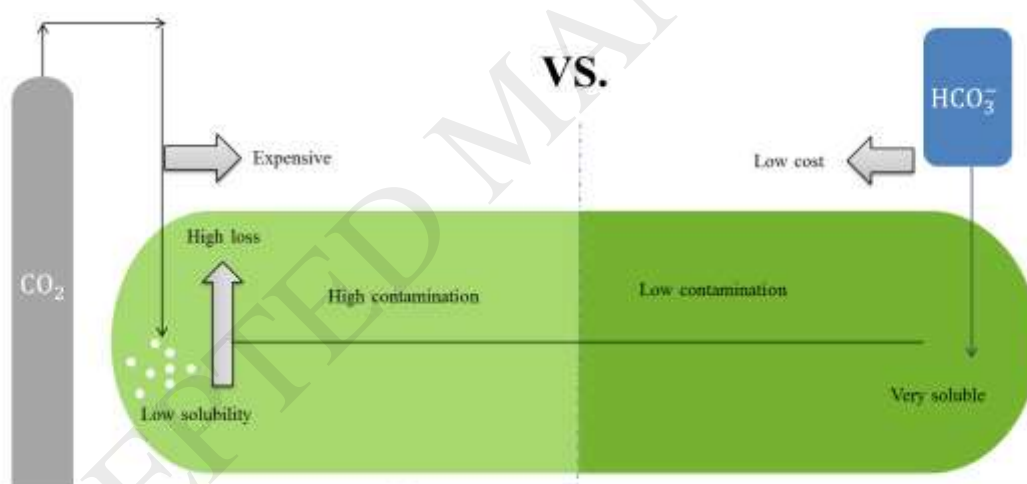
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Graphical Abstract



Highlights

- 50% higher biomass productivity was observed for culture fed with bicarbonate relative to conventional CO_2 supplementation.
- Bicarbonate feeding systems has 55% lower cost and 80-90% lower energy of production relative to conventional technique.
- Bicarbonate feeding systems can lower the risk of culture contamination.

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