## Technical University of Denmark



High effective harvesting of microalgae Chlorella prothotecoides via flocculation with cationic starch

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Publication date: 2013

Document Version
Publisher's PDF, also known as Version of record

Link back to DTU Orbit

Citation (APA):

Letelier Gordo, C. O., Karakashev, D. B., Holdt, S. L., & Angelidaki, I. (2013). High effective harvesting of microalgae Chlorella prothotecoides via flocculation with cationic starch. Poster session presented at International Conference on Algal Biorefinery, Kharagpur, India.

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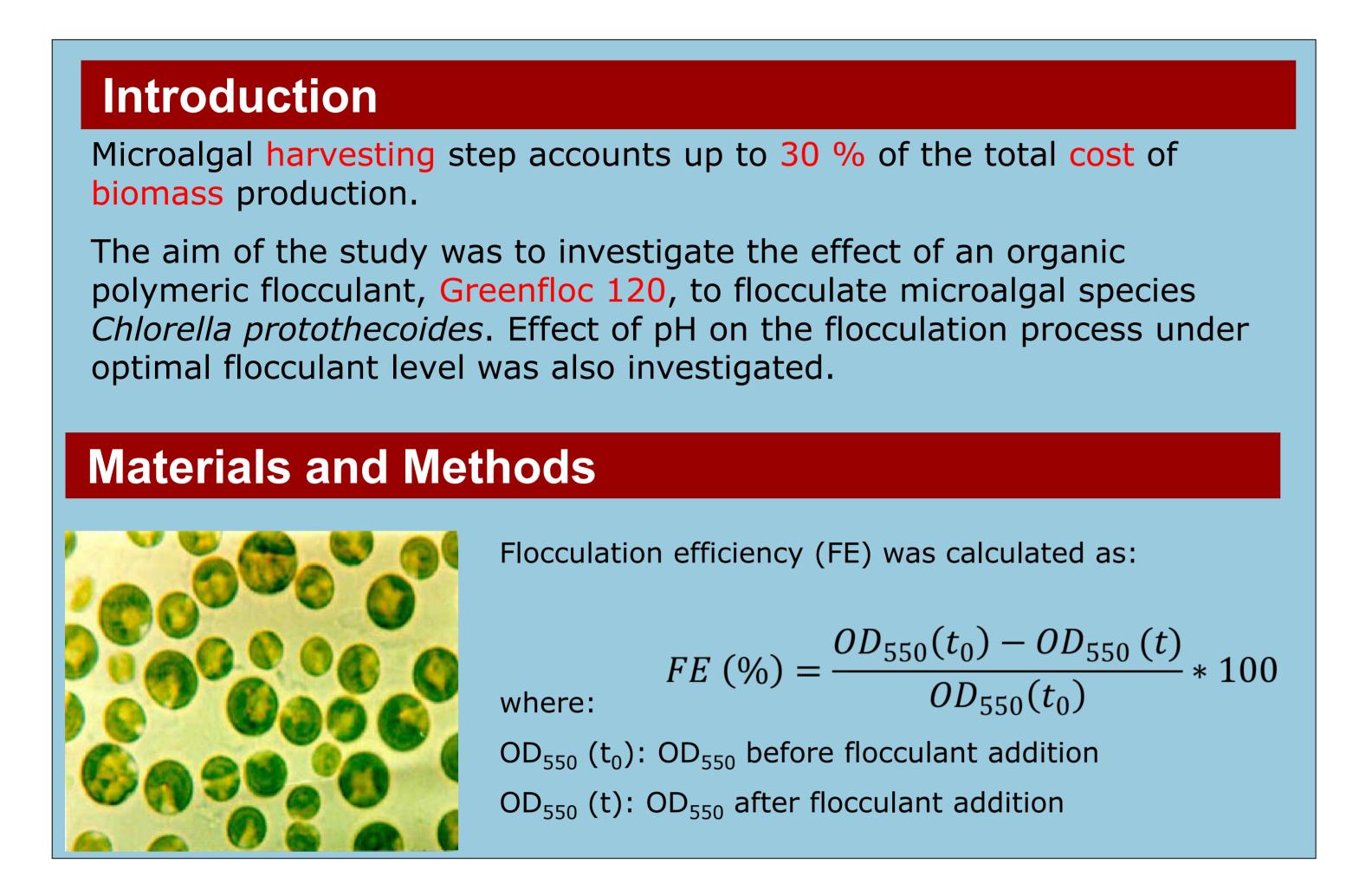
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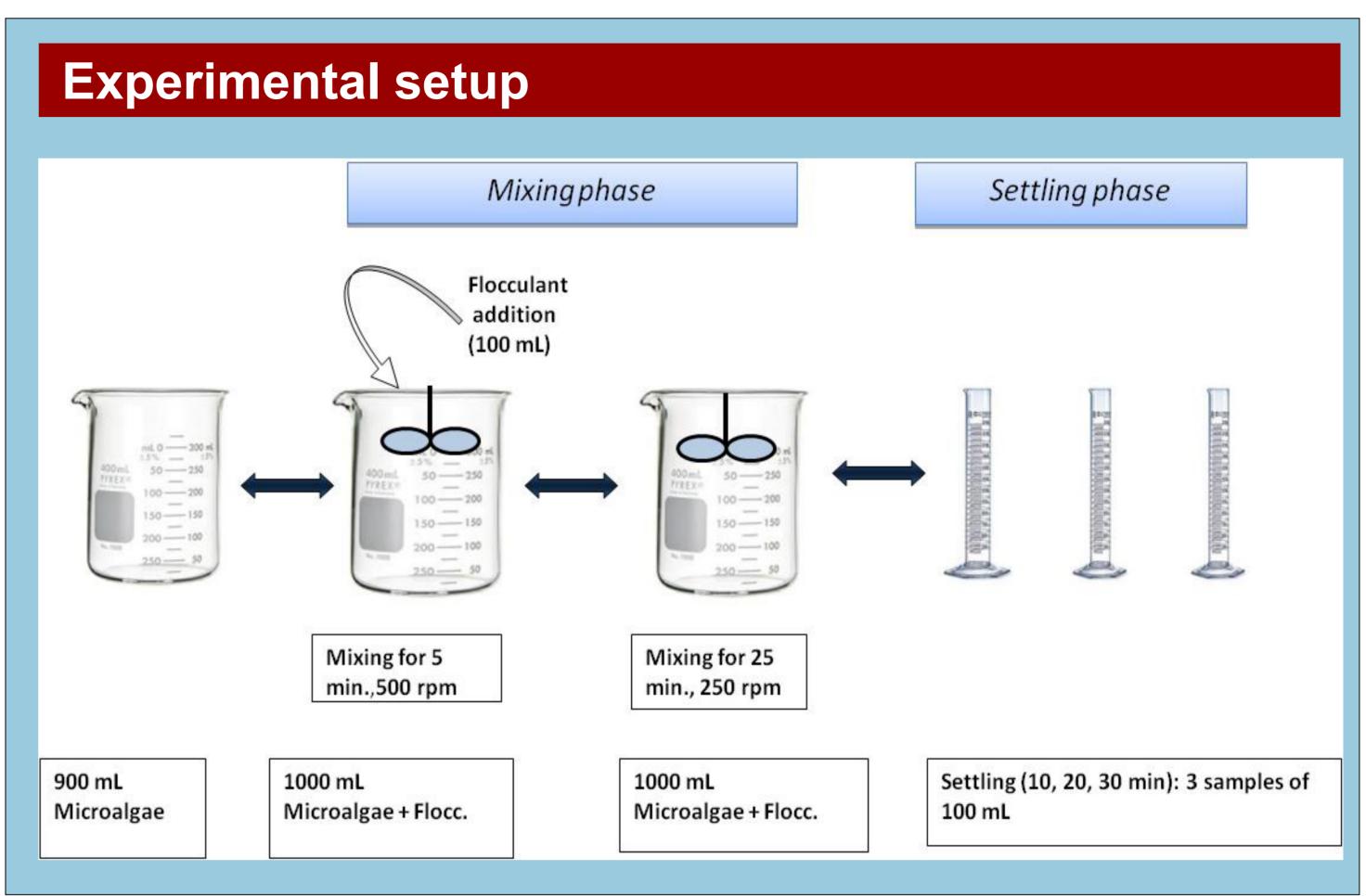
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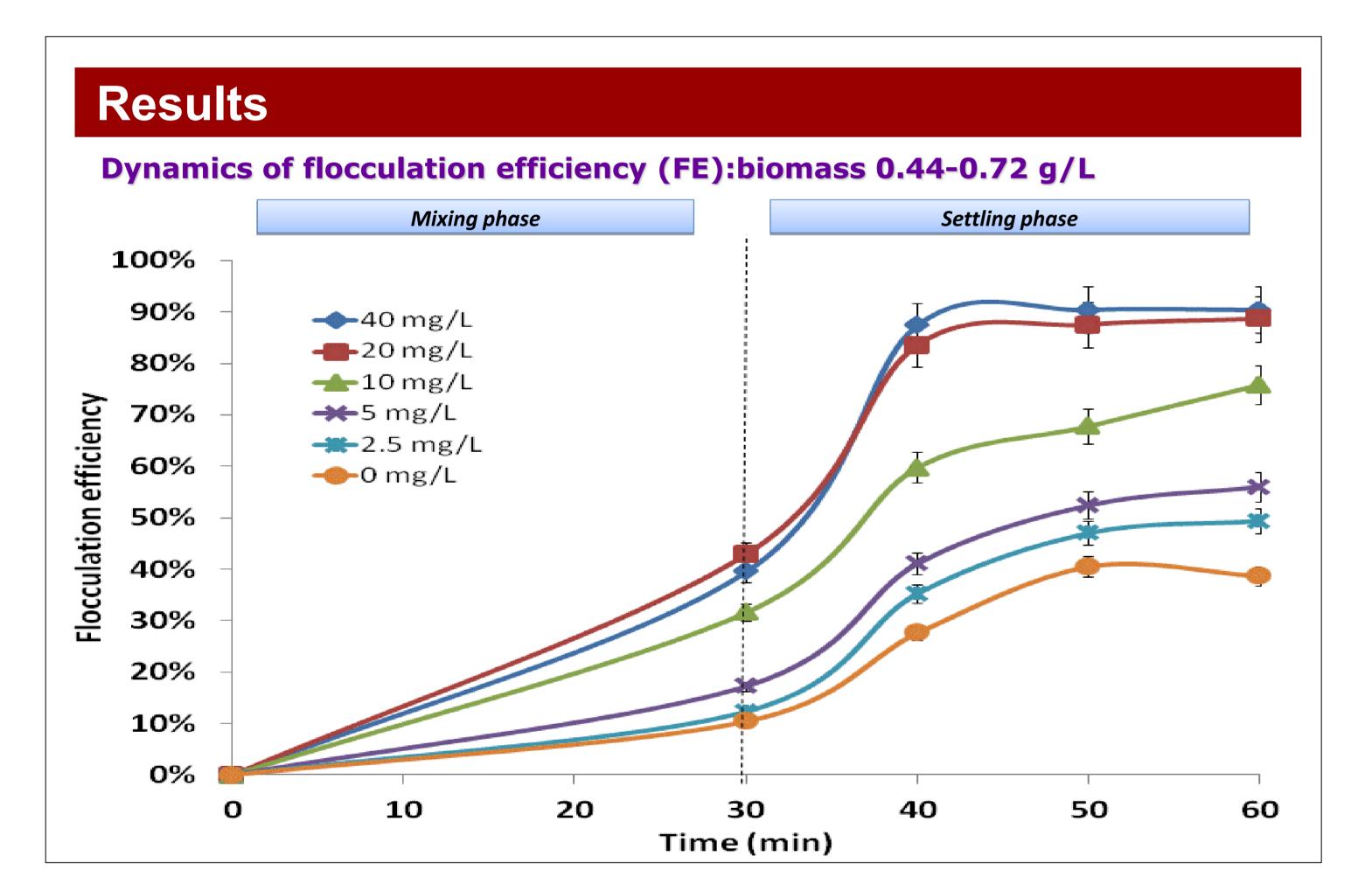


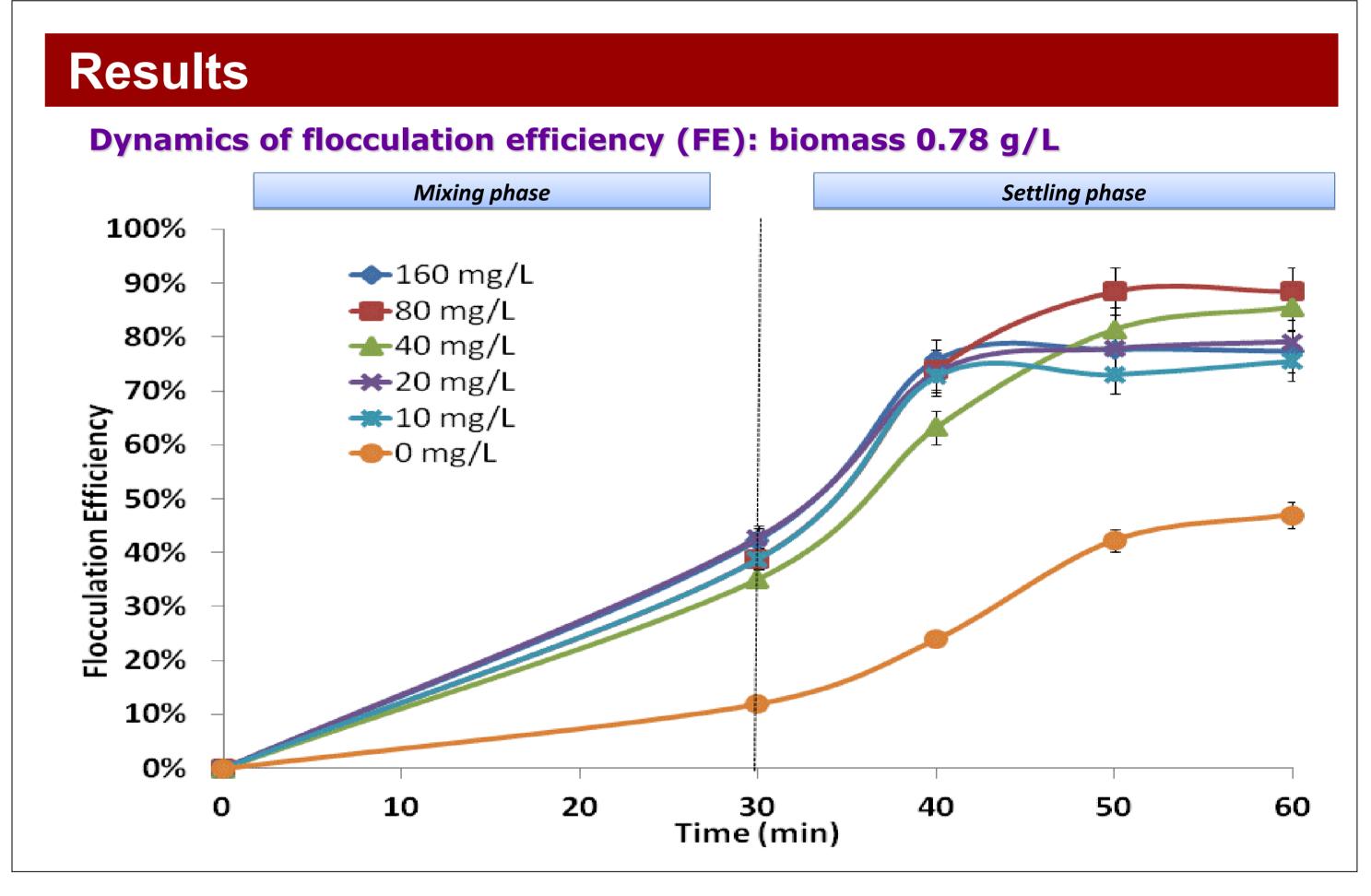
# High effective harvesting of microalgae *Chlorella* prothotecoides via flocculation with cationic starch

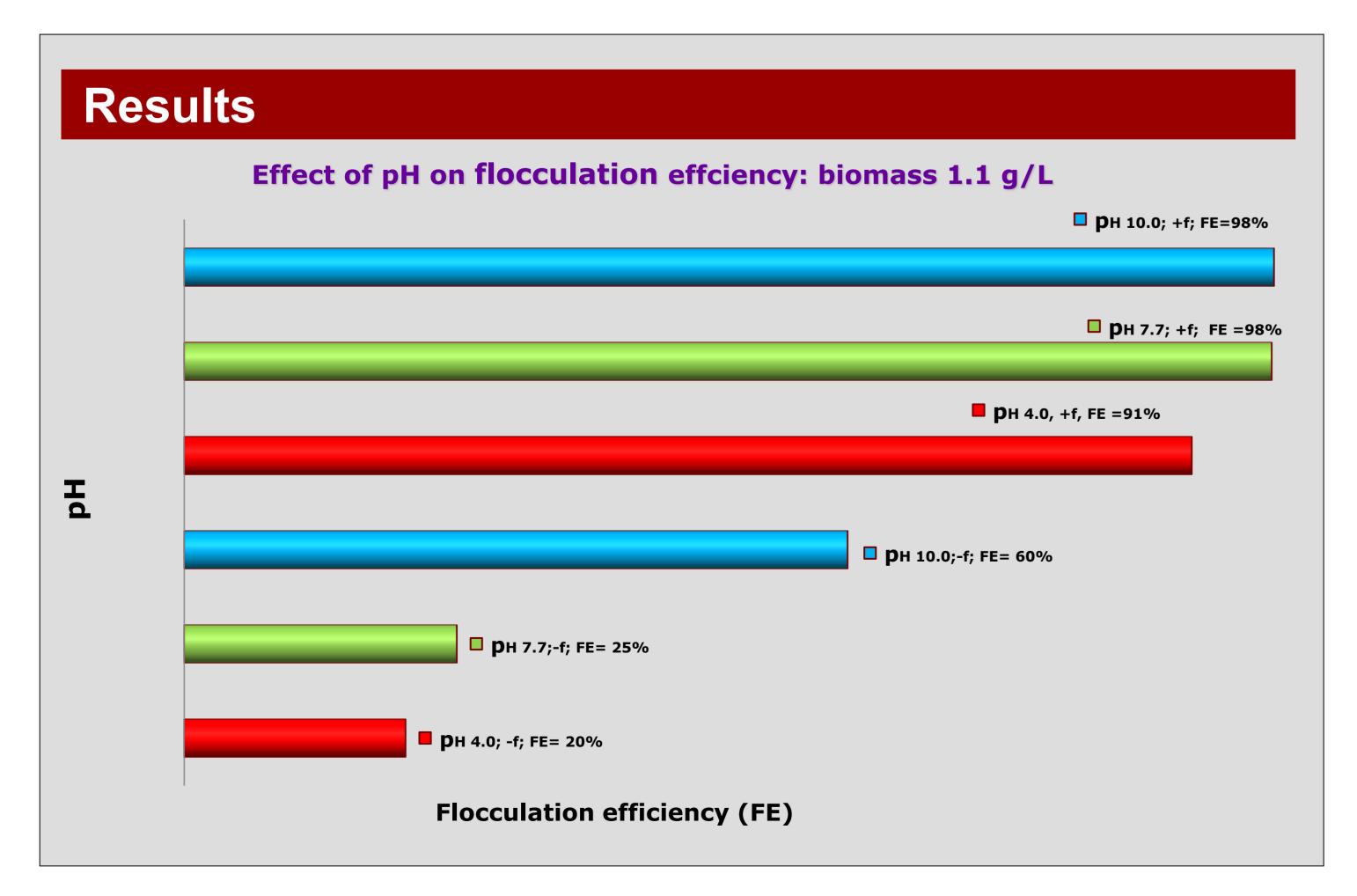
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# This study demonstrated Greenfloc 120 as a promising agent for flocculation of Chlorella protothecoides at neutral and high pH. It can be concluded that: - 40 mg flocculant/L: optimal level (FE> 80 %) for biomass concentrations 0.44-0.72 g/L - 80 mg flocculant/L: optimal level (FE> 80 %) for biomass concentration 0.78 g/L The best results were obtained at: - pH 10 (FE=60-73 %) in absence of flocculant - pH 7.7 and pH 10 (FE=91-98 %) in presence of flocculant (40 mg /L) Acknowledgments This work was supported by Danish Research Council for Strategic Research (Jr. nr. 09-067601).

