

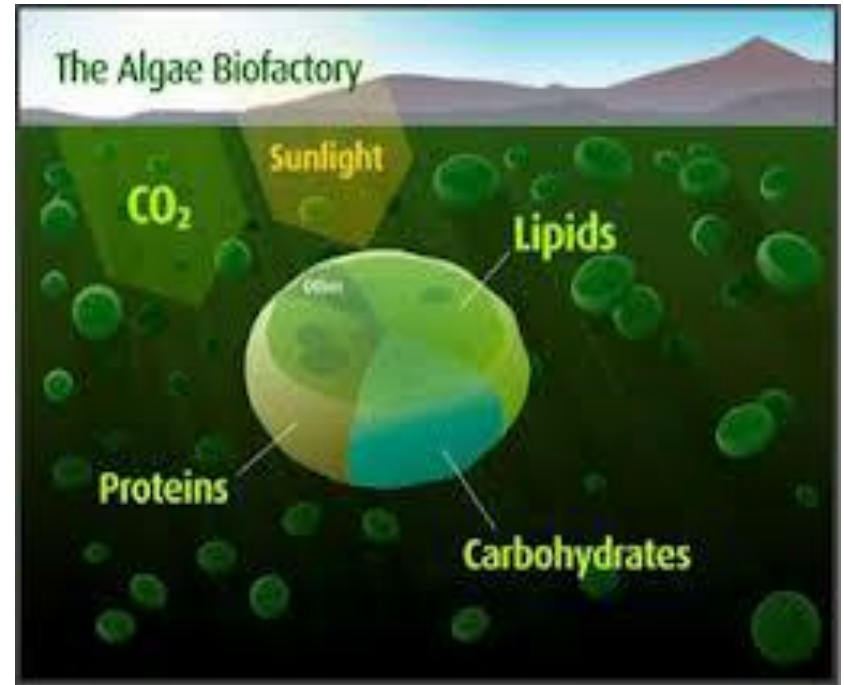
Microalgae Production in Liquid Foam-Beds

14-04-2014, Agnes Janoska

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Wageningen University, Bioprocess engineering (BPE)



What is microalgae?



What is microalgae used for?



Existing microalgae cultivation systems

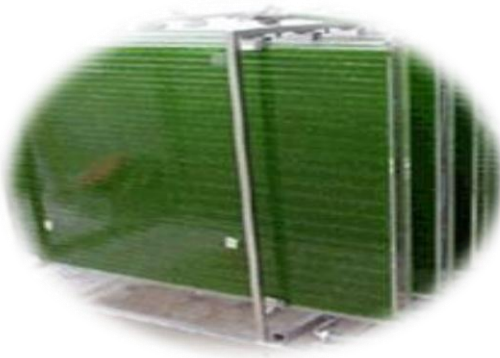
Raceway ponds



Tubular photobioreactors



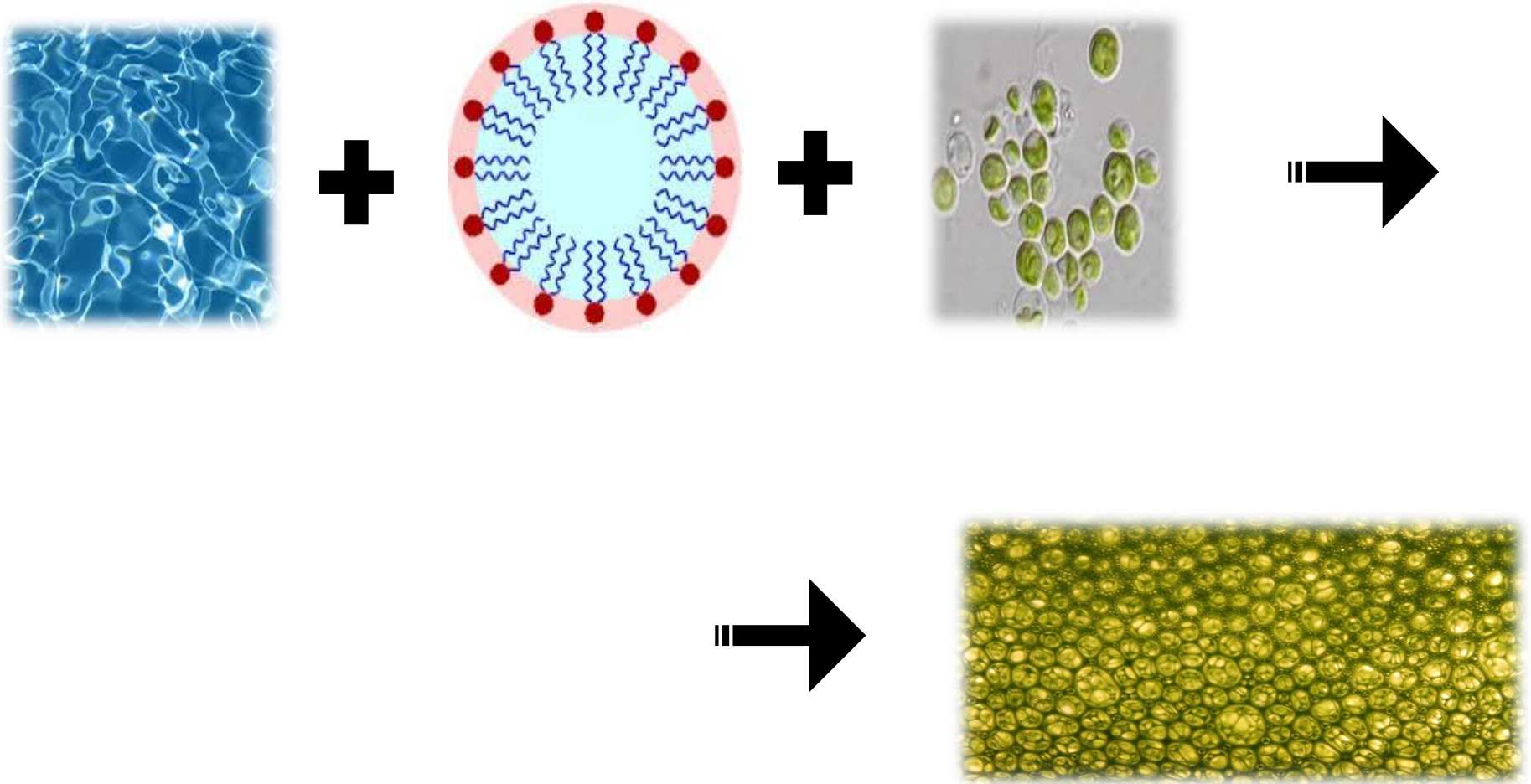
Flat panel photobioreactors



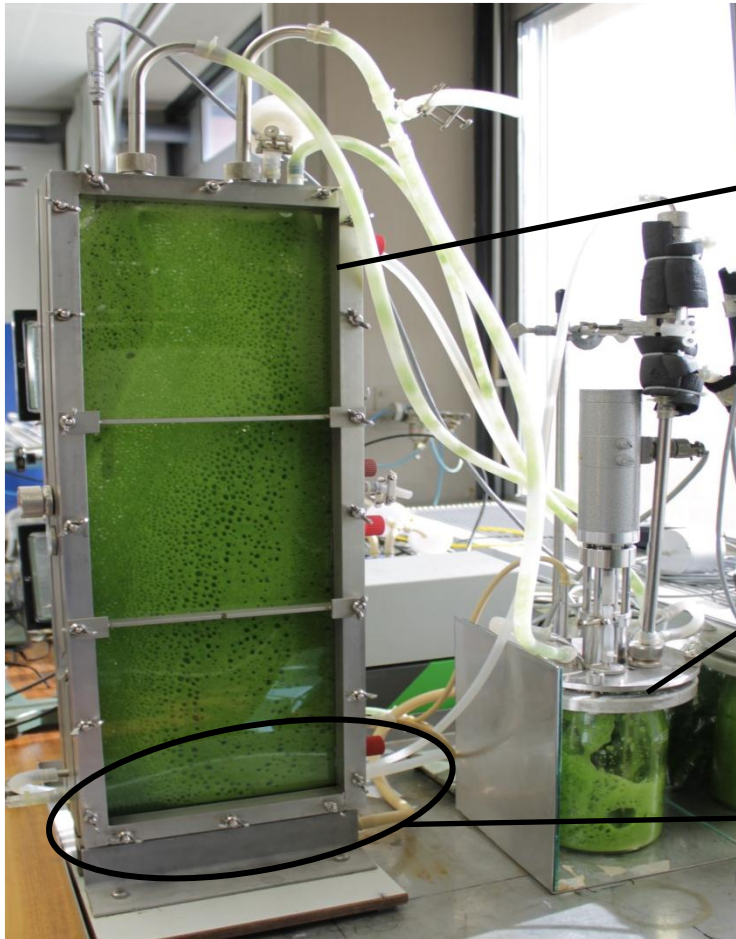
Biofilms



Innovation in microalgae cultivation



Liquid Foam-Bed Photobioreactor



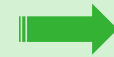
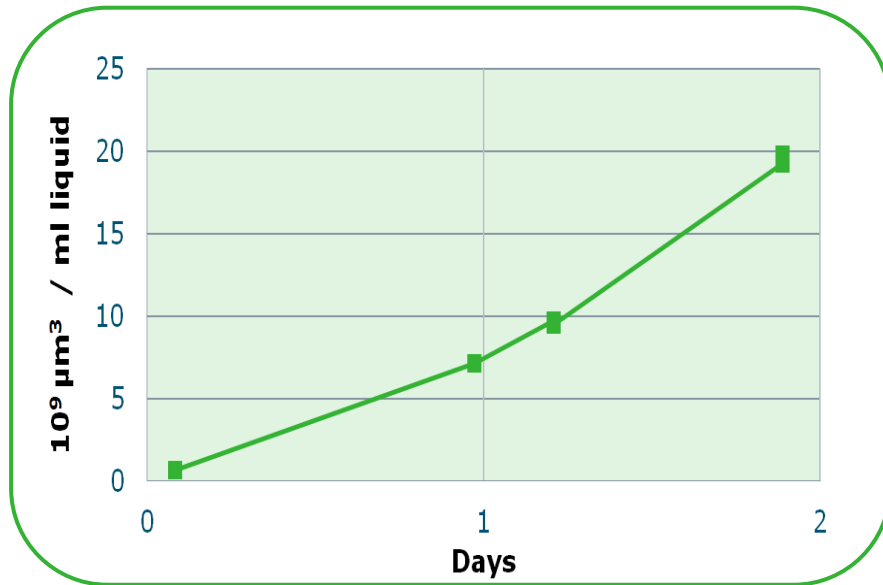
Foam

Foam breaker

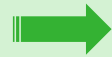


Bubble formation

Growth observed!!



Next



Stabilising agent
Foam break up

ACKNOWLEDGEMENT

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