

Site Massy

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Début du projet : 2019

A PROPOS DE MOI

-Masters in Chemical engineering

-3 years industrial experience in pharmaceutical manufacturing.

Hobbies: Cycling, trekking, travelling, cooking.



Équipe GéPro - ModIC

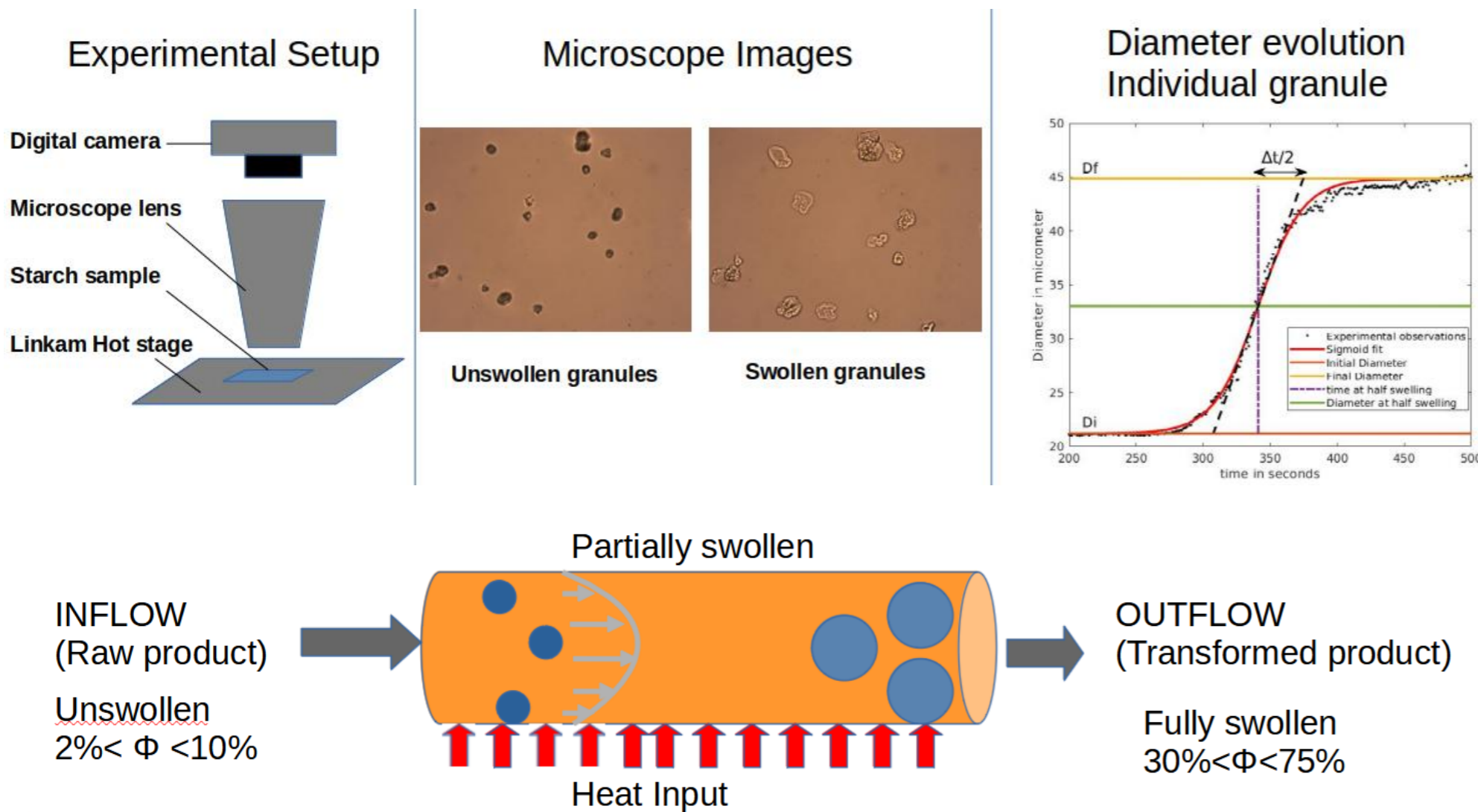
Superviseurs : Denis Flick, Marco Ramaioli, Paul Menut and Artemio Plana-Fattori

Mots-clés

Starch, Rheology of suspensions, DEM, CFD, Heat transfer.

Thermal effect on starch granule suspensions

Graphical abstract



Objectifs

- Characterise **swelling kinetics** of modified maize starch.
- Characterize **material properties** of modified maize starch at various temperatures.
- Simulate starch suspension transformation inside the thermal reactor taking into account **granule interaction effects**.

Techniques utilisées

Experiments



Software



Financiers & Collaborateurs



H2020- MSCA-ITN
Grant agreement
number : 813202

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