

Modelling and optimisation of the bioconversion of plant raw materials in an inhomogeneous environment

PERSPECTIVES

Several research tracks have been opened:85

- To identify new enzymes and strains better adapted to the evidenced phenomenon (in partnership with the Biotechnology Research Institute of the National Research Council of Canada.
- To explore other interconnected configurations, in a follow-up of Action incitative INRA INRIA 'VITELBIO' (web site : <http://sites.google.com/site/vitelbio/>) steered by the Modemic team of UMR MISTEA.
- To take into account both active (viable) and non-active (non-viable) biocatalysts in the model, as discussed with C. Ghommidh, a senior scientist who has recently joined UMR IATE.
- To develop a collaboration project with CBS (Biotechnology centre of Sfax, Tunisia) for a course on mathematical modelling for bioprocesses (the Modemic team has already welcome two PhD students in France for such a course, in the framework of the euro mediterranean project 3+3 'Treasure').

Responsable :

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