

DOWNSTREAM PROCESSING in BIOTECHNOLOGY

organised by

the *Section on Mechanical Separation and Particle Technology of the Royal*

Flemish Society of Engineers (K. VIV), Antwerp

and the *Flemish Chapter, Belgium of the Filtration Society London.*

401 event of the European Federation of Chemical Engineers.

Objectives of the symposium

Product recovery or downstream processing is an essential part in the development of a bioprocess. Fermentation broths are complex mixtures of cells, intracellular and extracellular compounds and unconverted substrate.

The particular separation techniques useful for a given bioprocess depend on the location of the product, the particular properties of the product such as size, shape and solubility but also on the size of the process and the added value of the product.

It is often said that downstream processing is a somewhat neglected field in comparison with the biological aspects of biotechnology.

Separation methods are very often dealt with as a minor part of bioprocesses. This symposium will focus on separation methods at the different stages of downstream processing. The large interest for the first symposium in Ghent confirms the need for a thorough discussion of separation problems of biomolecules. There will be keynote lectures concerning recent advances in the major fields. Novel techniques will also be discussed by invited speakers with particular attention for the potential of the method and the constraints to further development. This symposium wants to promote contacts between process engineers and R & D scientists in charge of the development and application of downstream processing techniques.

Topics

- cells harvesting and disruption
- extraction and initial separation
- chromatographic purification
- concentration and drying

Keynote lectures will be held at the beginning of every session by specialists in their relevant fields.

Venue and date

Brugge, 10—11 April 1989

Mailing address

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