



DEAR COLLEAGUES,

Bioprocess engineering has been increasingly developed as an actual interdisciplinary area of scientific investigations in the last years.

Bioprocess engineering deals with:

- implementation of system analysis;
- tools for obtaining and collection of information for bioprocesses;
- analysis, modelling, optimization and control of bioprocess systems;
- engineering-mathematical and computer-oriented methods.

Bioprocess systems have been considered as complex dynamic objects, functioning in conditions of uncertainties. They are significantly distinguished from the physics-chemical processes carried out in the non-living nature.

As a scientific area, *bioprocess engineering* integrates the scientific achievements of biology, biochemistry, mathematics, control theory etc.

The basic aim of *bioprocess engineering* is to provide the optimal running of bioprocesses in the real time. It could be achieved, using up-to-date information supply tools, by the synthesis of adequate models and optimal control of bioprocess systems, ensuring the optimal production in microbial biosynthesis.

The main purpose of this Electronic Journal of *Bioautomation* is to present the scientific achievements in the area of *bioprocess engineering*.

I wish a success in this well-meaning initiative!

October 2004
Sofia

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