

# Simulation of Biotechnological Processes Using System Simulations

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System simulations are used for modeling simple and complex physical processes that can be expressed in terms of ordinary differential equations or differential algebraic equations and discrete event simulation. There are many software programs for system simulations and all of them represents the physical system in a graphical form using many components connected together.

In this paper we demonstrate how to model and run system simulations of some biotechnological processes.