

Flow Chemistry – Modular, Flexible, and Efficient Production in the Chemical and Pharmaceutical Industry

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Global competition in the chemical, biochemical and pharmaceutical industry is continuously increasing. It calls for reduction of process development time and investment costs necessary for implementing new technologies for (bio-) chemical products and pharmaceutical drugs. Taking into account also the scarcity of resources a number of challenges arise.

In order to develop future manufacturing strategies the chemical and pharmaceutical industry works on the implementation of process intensification and modularization. In this paper current challenges, process intensification approaches and future manufacturing initiatives are summarized and discussed.