

Special Issue

Knowledge-Based Control and Modelling of Bioprocesses

Message from the Guest Editor

The current biotechnology industry contributes significantly to increasing the global economy. Its growth is mainly attributed to a deep understanding of biological systems, supported by the development of "omics" technologies and the growing demand for biotechnological products such as biopharmaceuticals, vaccines or biofuels. Today, it is an innovative market, and there is growing business pressure for faster and cheaper bioproduct production. Improvements in data digitization and analysis have been identified as key strategic actions for the coming years to meet these challenges. The implementation of knowledge-based control and modeling in various bioprocess presents a corresponding future vision for the biotechnology industry to achieve the goals of Industry 4.0.

Guest Editor

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