

Special Issue

Bioreactor Design and Optimization Process

Message from the Guest Editors

The role of biotechnology in process engineering has attracted significant interest within the scientific community due to its numerous applications. Bioreactors represent the heart of bioprocessing, being the place in which the main reactions occur. This makes bioreactor design and optimization of increasing interest for enhancing process efficiencies. In many bioprocesses, bioreactor characteristics influence a process' economic feasibility. Consequently, developing innovative solutions for reactor design is a pressing need in bioprocess engineering. This Special Issue requests high-quality studies focusing on topics such as the following:

- Innovative bioreactor design;
- CFD modeling of bioreactors;
- Process intensification in bioreactors;
- Mass-transfer optimization in bioreactors;
- Solid-state bioreactors: development and challenges.

Guest Editors

Dr. Serena Lima

Department of Engineering, Università degli Studi di Palermo, 90128 Palermo, Italy

Prof. Dr. Francesca Scargiali

Department of Engineering, Università degli Studi di Palermo, 90128 Palermo, Italy

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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

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