

Special Issue

Measurement Technologies for up- and Downstream Bioprocessing

Message from the Guest Editor

This Special Issue on “Measurement Technologies for Up- and Downstream Bioprocessing” is devoted to the recent developments in new measurement technologies toward these purposes. The currently unfolding developments—with new biological products for cell and gene therapy, and for treatments with monoclonal antibodies—also calls for new solutions regarding measurement technology. Examples of relevant topics may include:

- Novel optical methods with the capability of measuring minute impurity quantities;
- Imaging methods for timely measurement of the state of cells in a bioreactor culture;
- Measurement devices for at-line monitoring of critical quality attributes of the bioprocess;
- Machine learning strategies as a means to capture hidden information from real-time measurements;
- Measurement technologies for up- and downstream processes that favor the integration of a bioprocess.

Guest Editor

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