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Bioprocess Engineering and Enzyme Application

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Message from the Guest Editors

With advances in our understanding of molecular engineering of organisms and improving biochemical processes through enzyme selection and reaction optimization, the biological synthesis of everything from commodity to fine chemicals is on the horizon, either alone or in concert with organic synthesis. In this Special Issue, we will examine scientific advances in biomanufacturing focusing on traditional cellular-based systems of production, the rise in cell-free systems that rely on transcription/translation machinery in vitro, and synthetic biochemistry systems that utilize purified enzymes for biosynthesis.



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Special Issue