

processes



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Fermentation and Bioprocess Engineering Processes

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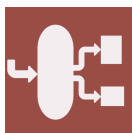
Message from the Guest Editors

Fermentation process is an approach that promote growth of microorganisms for production of value-added products such as organic acids, enzymes, vitamins, and biopharmaceuticals. Through fermentation, raw agricultural bioproducts or industrial wastes can be converted into value-added products. Production of value-added products from agricultural raw materials not only increases the value of our farmers' crops but also improves the wellbeing of our people. In most cases, the dependency on petroleum-based products can be minimized, because the same products can be obtained via microbial fermentation utilizing renewable raw materials such as corn and potatoes. In terms of renewable energy production, biogas, ethanol, and bio-hydrogen are the most promising microbial products. This area alone is very exciting since we need new and cleaner energy sources as petroleum sources are rendering unsustainable. On the other hand, many compounds related to human health such as vaccines and prebiotics etc. can be produced in bioreactors with different microorganisms and fermentation techniques.



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Special Issue



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Message from the Editor-in-Chief

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