Special Issue

Advances in Biorefinery and Bioenergy

Message from the Guest Editors

The increasing concerns regarding environmental issues and sustainable supplement of energy for society have created the need for the development of sustainable technologies based on renewable raw materials, such as biomass. The application of the biorefining concept, which mimics the oil refining process for the conversion of various bio-based materials to biofuels, biochemicals, and biopolymers via a systematic approach, has attracted global attention. The new bioconversion processes have substituted and supplemented many fossil-resource-based products. Valorization of conventional waste biomass and marine biomass for the production of value-added chemicals.

This Special Issue will feature contributions towards "Advances in Biorefinery and Bioenergy"

(1) Advanced technologies and processes that convert biomass to value-added products, including biofuels, biochemicals, and biopolymers; (2) Advanced tools and methodologies to understand, simulate, evaluate, and optimize bioconversion processes; (3) Systematic review of recent progress in the biorefinery and bioenergy field.

Guest Editors

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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