

Special Issue

Effective Biorefineries through the Co-production of Chemicals and Biofuels

Message from the Guest Editor

Sustainable liquid biofuels remain a key component of all future energy scenarios aimed at reducing anthropogenic climate change; however, the overall cost of these second and third generation biofuels remains prohibitively high. Seemingly, the only realisable production method is to incorporate biofuel production with other higher value chemicals in an integrated biorefinery concept. These alternative products can take the form of natural polymers, animal, or human foodstuffs, fertilisers, monomers for bioplastics, value chemicals or advanced bio-materials. To this end, we invite submissions of novel research across the chemical, engineering, and biological sciences demonstrating the co-production of liquid fuels with alternative products from a range of terrestrial or marine biomass. Submissions detailing extended systems analysis such as supply chain modelling, technoeconomic analysis, or lifecycle assessment would be especially welcome.

Guest Editor

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Deadline for manuscript submissions

closed (31 August 2019)



Applied Sciences

an Open Access Journal
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Impact Factor 2.5
CiteScore 5.5



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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.

Editor-in-Chief

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