Special Issue

Biofuel Value Chains: Innovations and Sustainability

Message from the Guest Editors

Biofuels have been one of the key solutions for decarbonizing transport, and they are expected to play an even more important role in the near future. However, the sustainability of biofuel production has received criticism, especially regarding the indirect land-use change (iLUC) and carbon emissions in the value chain. For this reason, innovations within the value chain that enhance the sustainability of biofuels are of critical importance to achieving transport decarbonization, especially in the heavy transport and aviation sectors. This Special Issue invites contributions in reporting innovative approaches in biofuel value chains, as well as in improving the sustainability of biofuels. This may also involve novel biofuel types. The contributions may cover the whole value chain or a part of it, whether this is the biomass cultivation/sourcing, processing to biofuels or biofuel precursors, or upgrading, as well as the end-use of biofuels. Any organizational, technological, or supply/value chain innovations that can improve either the efficiency or the sustainability of biofuels are also highly welcome.

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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