

Special Issue

Sustainability Assessment of Fuels and Biofuels Production

Message from the Guest Editors

This Special Issue invites scientists to share their research results with regards to the sustainability assessment of fuels and biofuels. Life Cycle Assessment (LCA) constitutes a valuable tool identifying the environmental merits and demerits of fuels and biofuels production pathways throughout their life cycle ("cradle-to-grave" approach). Consequently, LCA is commonly applied for the environmental assessment of fuels and biofuels, originating from variant feedstocks (energy crops, non-food biomass, residual feedstocks, microbial biomass etc.) aiming to increase energy efficiency and sustainability. The research in the environmental assessment of fuels and biofuels is continuous and intense and we therefore welcome contributions valorizing especially non-food crops and microalgae. This Special Issue focuses on original research studies and reviews regarding the environmental characterization of fuel and biofuel production processes towards sustainable transportation emphasizing valorizing residual biomass. Overviews of collaborative research projects in this area are also welcomed.

Guest Editors

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