



an Open Access Journal by MDPI

Advances in Synthetic Fuel

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Deadline for manuscript submissions:

closed (15 May 2024)

Message from the Guest Editors

Synthetic fuels may provide an essential contribution to renewable transportation. They can be sustainably produced from a number of carbon sources such as biomass, waste or carbon dioxide, and renewable energy. A variety of liquid and gaseous fuel options are available in the development of various states and process constellations. For their successful further development and implementation, efficient production technologies and promising process configurations are relevant, but sustainable resource potential, applicability of fuels to existing and future vehicles in terms of emissions, consumption and performance, types of fuels and their demand, and technoeconomic, ecological assessment. and social implications also need to be considered. In this Special Issue, the state of the art of research, development, and innovation in the sector of synthetic fuel production and utilization will be defined. Contributions on any of the abovementioned aspects are welcome, including detailed studies on specific research aspects, successful case studies, and technical developments, and overarching evaluations of scenarios



