Special Issue

Alternative Fuels Used for Farming

Message from the Guest Editors

Farms use a huge amount of energy and materials. Tractors, generators, and other agricultural equipment are all required for a successful operation. Although this is important, the continuing rise in the expense of conventional energy and fuels, coupled with their negative environmental effect, necessitates the development of alternative fuel sources. Today, we must seek solutions that strike a balance between environmental benefits and farmers' capacity to operate a profitable company. If alternative agricultural fuels are explored, they must be an effective alternative. Many farms strive to achieve carbon neutrality and many alternative fuels can help farmers reduce his or her carbon footprint. Biofuels, which are fuels produced from biomass such as ethanol, are becoming more popular and are a viable alternative. Notably, alternative biofuels aren't a new concept and biofuels were used in the development of the earliest automobiles. The interest in biofuels began to fade only when crude oil became widely and inexpensively accessible. Biofuels' benefits are being rediscovered today and provide a suitable answer to the problems associated with conventional fuels.

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