



Plenary Speaker



Renewable Fuel for Transportation Engines

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The current number of all vehicles on the globe reach more than 1.2 billion vehicles. These vehicles which mainly operated with internal combustion engine consume a lot of fossil fuel and contribute to air pollution and global warming. Moreover, it also causes some health disease and genetic problems. The depletion of petroleum-based fuel worldwide leads to the search for alternative fuel for an internal combustion engine. Biofuel is considered one of the best alternative fuel for an internal combustion engine which currently used in many countries. Biofuel that primarily derived from the plant oil and animal fat is used to reduces the dependencies on petroleum-based fuel. The combustion of the biofuel in the internal combustion engine produces comparable engine performance while reducing most of exhaust gas emission. Corn and sugarcane become the primary sources to produce biofuel that contribute to more than 85 percent from all biofuel production. Other feed-stock for biofuel production includes rapeseed, soybean, and palm oil.