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Recent Advances and Applications of Biofuel

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Message from the Guest Editor

This Special Issue aims to collect studies that provide recent advances and applications of biofuels, providing different technical solutions to make possible the smooth transition from the current state to a new circumstance in which diesel engines will work by employing solely renewable biofuels. Thus, in addition to conventional biodiesel obtained by catalytic or enzymatic transesterification of triglycerides, all the studies providing effective solutions to allow the use of fats and oils as biofuels in diesel engines, without having to perform any modification in them, will be welcomed. Moreover, this Special Issue is aimed also at collecting those studies related but that are not limited to the production and engineering development of alternative high-quality biofuels from vegetable oils, obtained by hydrotreating triglycerides (greendiesel), the production of novel biofuels that integrate glycerol in their composition and the development of diesel and biodiesel additives. These biofuels seek to achieve 100% atom efficiency because neither glycerol nor any byproduct is obtained. Thus, the overall production process of the biofuel is in large extension simplified.



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Special Issue



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Message from the Editor-in-Chief

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