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Optimizing the conditions for production of hydrogen using biomass gasification

Hydrogen is considered as a novel fuel for the twenty first century, mainly due to its environmentally kindly character. Currently, about 90% of the hydrogen is produced by the reactions of natural gas and steam reforming of light oil fractions. These methods mainly consume fossil fuel as energy source, which is not only full with emission problems, but also fossil fuels are depleting at alarming rate. Therefore, there is need to find alternative ways of hydrogen production based on renewable energy sources such as biomass. The main purpose of this project is to optimize the conditions of high production of hydrogen using biomass gasification

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