BIOFUELS AND BIOENERGY

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The United Nations Framework Convention on Climate Change was signed in 1992 at the Rio Summit. e Conference of the Parties shall, as the supreme body, regularly review the implementation of the Convention and any other related legal instruments that it may adopt and take, within its mandate, E ective implementation of the Convention. e Conference of the Parties (COP) is the supreme body of the UNFCCC and meets annually to take stock of progress in combating climate change in order to negotiate and monitor the implementation of the Convention. It rati ed the Kyoto Protocol on 16 February 2005. e twenty-second meeting will take place in Marrakech, Morocco, from 7 to 18 November 2016. e reduction and valorization of household waste is one of the main objectives of the COP22 in Marrakech. Waste recovery is conceivable through the construction of controlled land lls. e work presented in this article represents a study of modeling the operation of the controlled dump of Fez thanks to several calculation techniques. e controlled land ll in Fez is the rst controlled land ll built at national level, and even in Africa, for modern solid waste management. It allows to control all the e uents, while preserving the environment of the city. is study presents an inventory of the production of electrical energy and heat energy by cogeneration. We will show that the quantity of electrical energy estimated by the mechanization of household waste from the Fes land ll is 65.5 GWh, and the amount of thermal energy estimated by the cogeneration of the electrical systems is 142.174 GWh, then these quantities are currently available at the Fes land ll. is alternative allows a reduction in the tonnage of accumulated waste. us, it avoids its negative impact on the environment.

Biography

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