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Experimental and modeling studies of Portuguese peach stone gasification on an autothermal bubbling fluidized bed pilot plant



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Highlights

Experimental evaluation of Portuguese peach stone gasification was conducted.

A homemade comprehensive CFD model for biomass gasification is proposed.

The model is capable of predicting the syngas composition under different conditions.

The effect of moisture, ER and SBR on peach stone gasification are studied.

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