

Thermal Activation of Digested Sewage Sludges for Carbon Dioxide Removal from Biogas

*Original*

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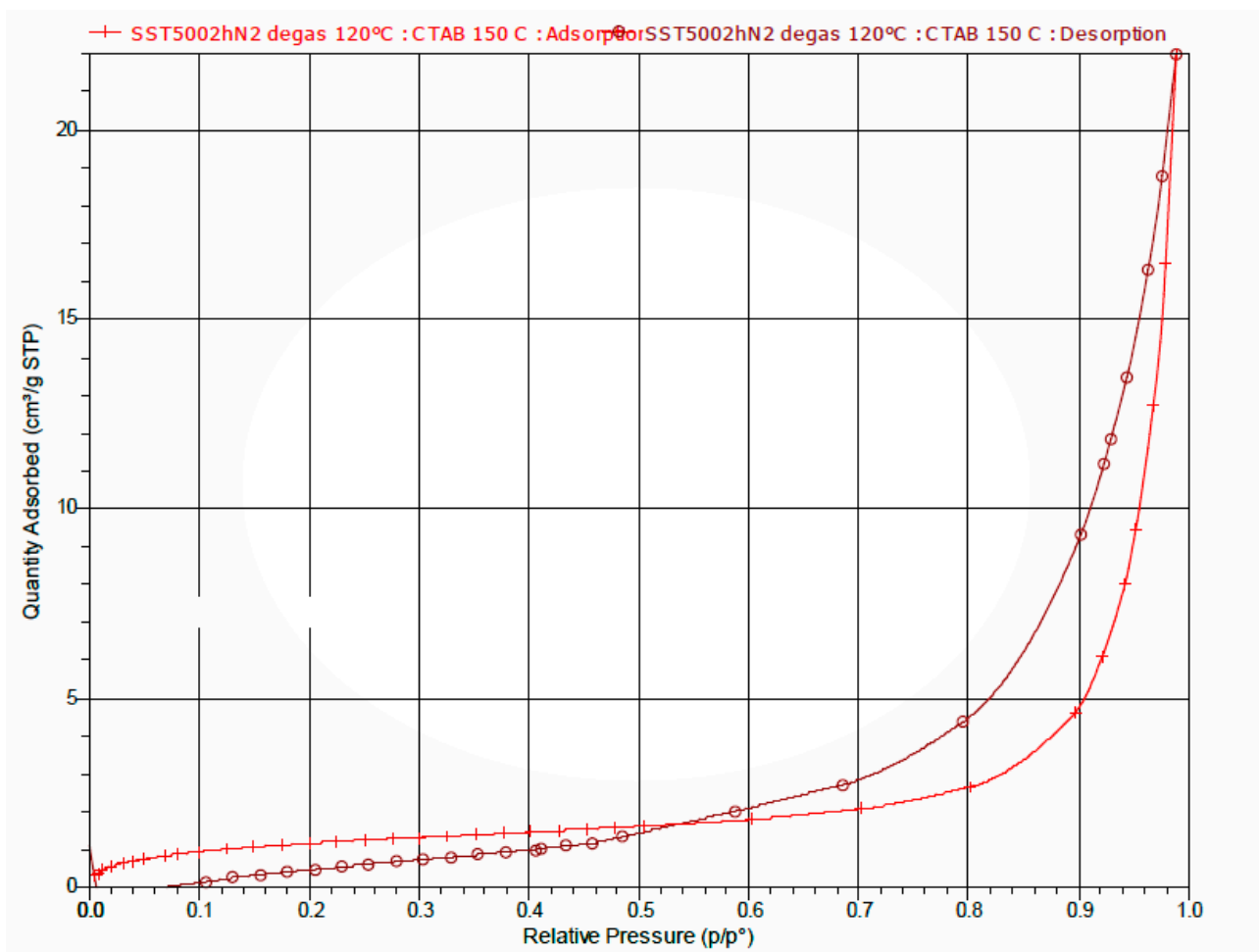
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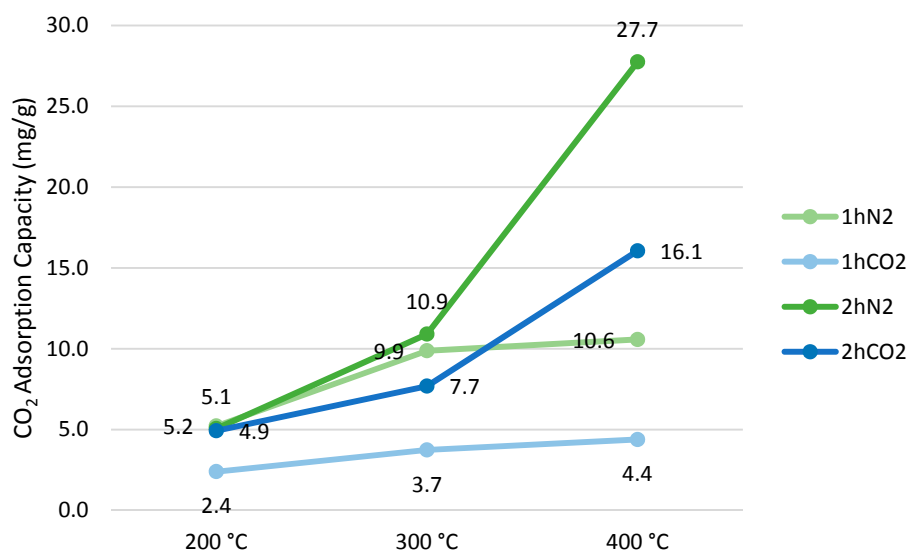
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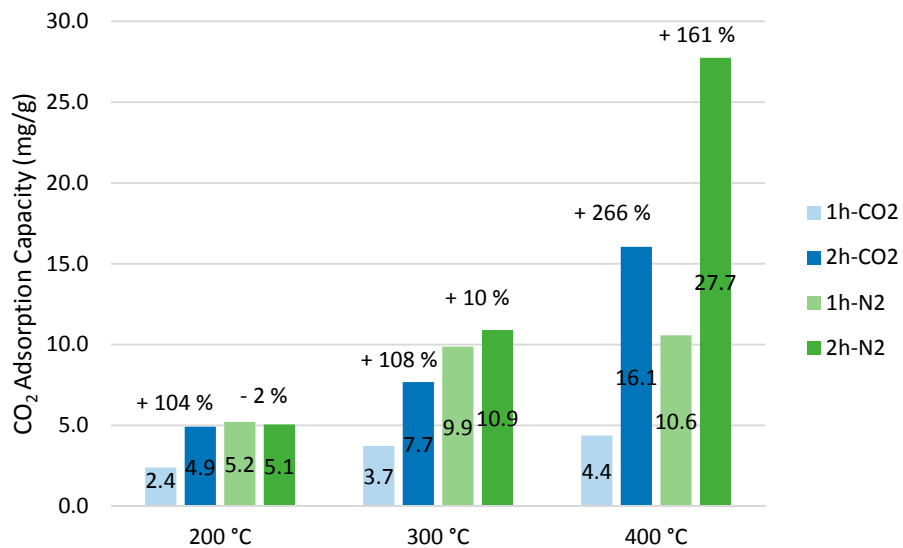
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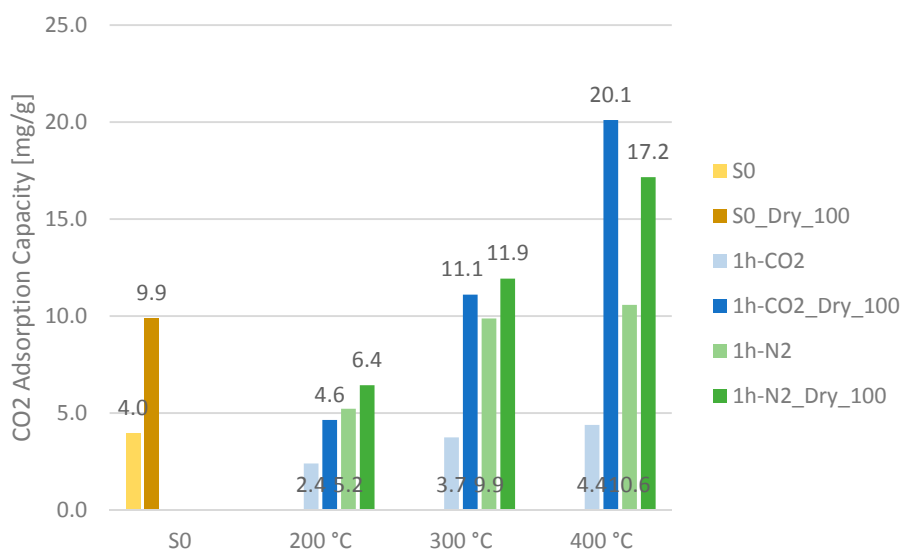
**Figure S1.** N<sub>2</sub> adsorption/desorption isotherms for the biochar sample SST5002hN<sub>2</sub>.



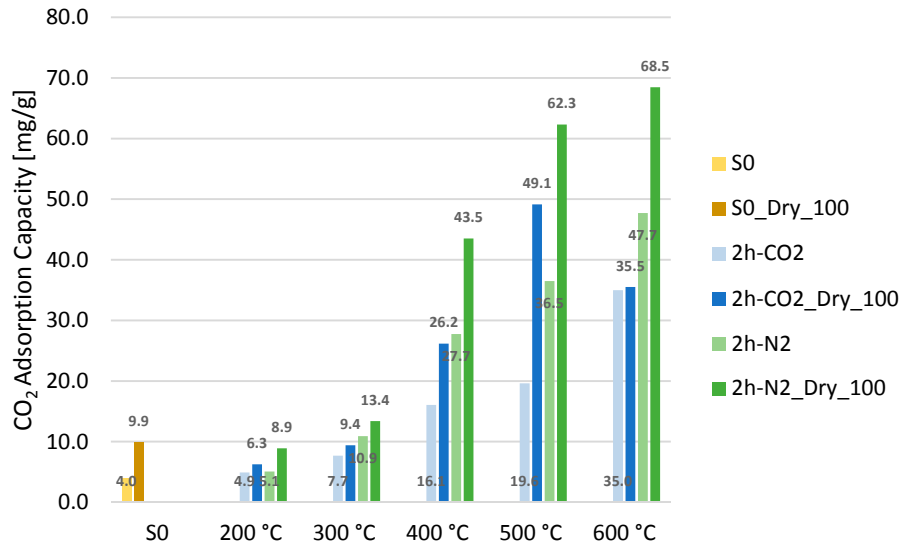
**Figure S2.** CO<sub>2</sub> adsorption capacity at different temperature (1-2 hours holding time fixed, variable water content).



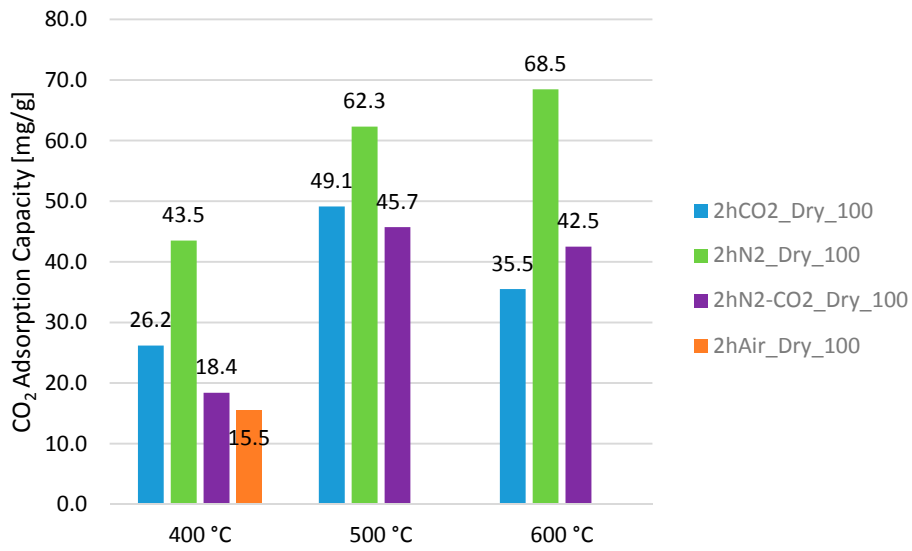
**Figure S3.** Dwell time comparison between 1 and 2 hours for direct activation with CO<sub>2</sub> and pyrolysis (variable water content).



**Figure S4.** Drying treatment effect on the biochar samples activated with a dwell time of 1 hour.



**Figure S5.** Drying treatment effect on the biochar samples activated with a dwell time of 2 hours.



**Figure S6.** CO<sub>2</sub> adsorption capacity comparison with different methods.