
BIOCHARS FROM SLOW PYROLYSIS OF LIGNOFORCE™ LIGNINS: ENERGY ANALYSIS AND CO₂ ADSORPTION

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Langmuir and Freundlich models fittings for HKL and SKL biochars

In all cases, P/P0 values from 10 to 100 were considered. Please note that Freundlich model relates $\ln(P/P_0)$, so the first six values of P/P0 were disregarded since they are below 10.

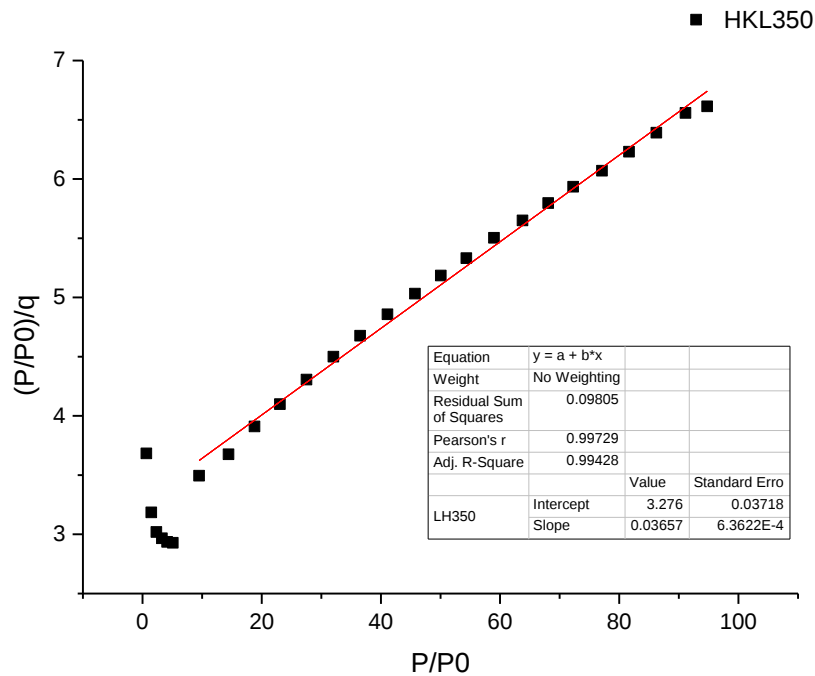


Figure 1S. Langmuir model applied to the data from CO₂ adsorption on HKL350

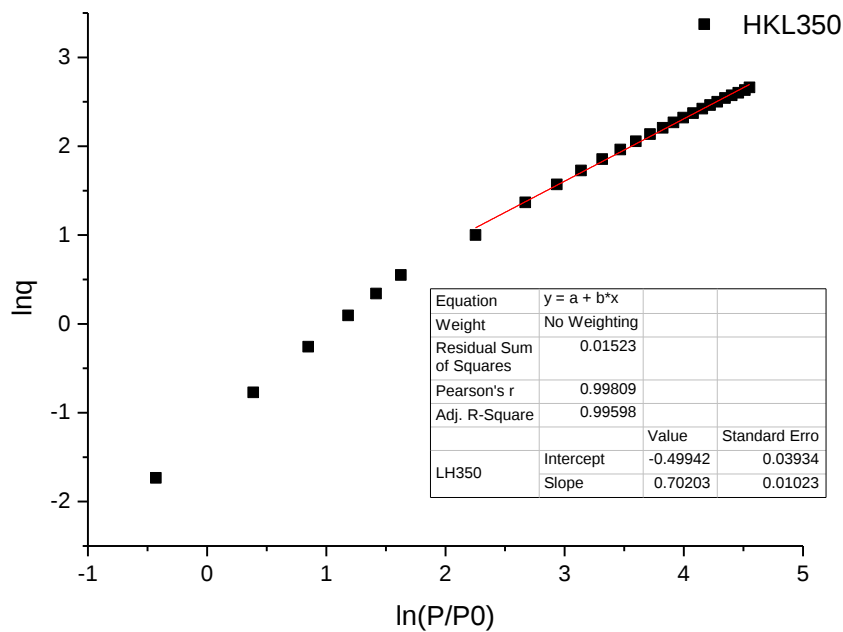


Figure 2S. Freundlich model applied to the data from CO₂ adsorption on HKL350

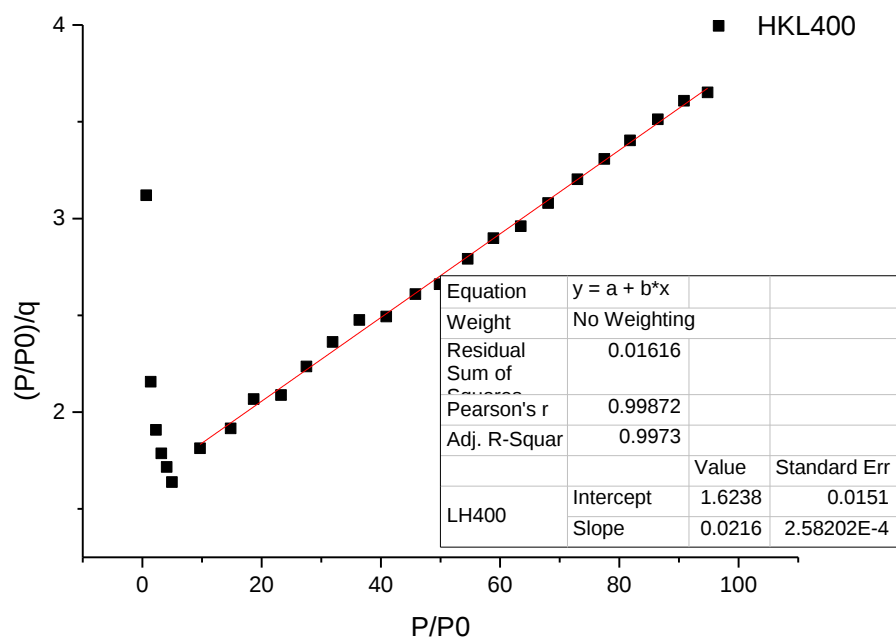


Figure 3S. Langmuir model applied to the data from CO_2 adsorption on HKL400

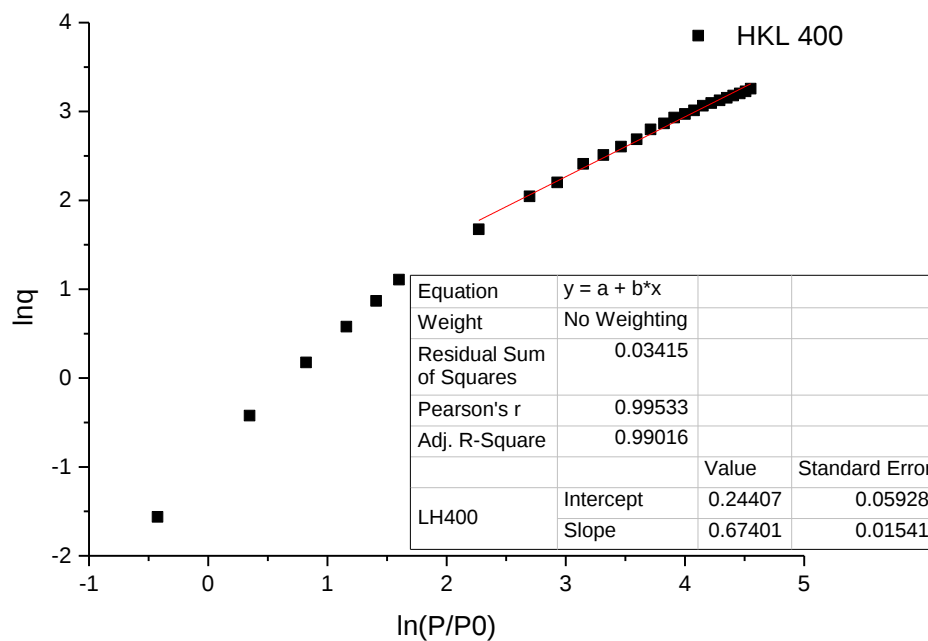


Figure 4S. Freundlich model applied to the data from CO_2 adsorption on HKL400

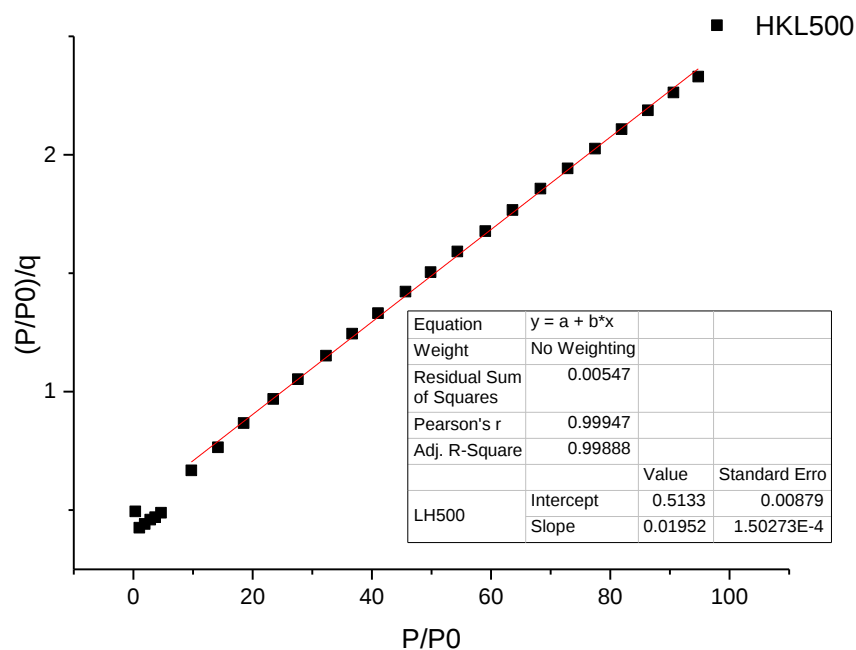


Figure 5S. Langmuir model applied to the data from CO_2 adsorption on HKL500

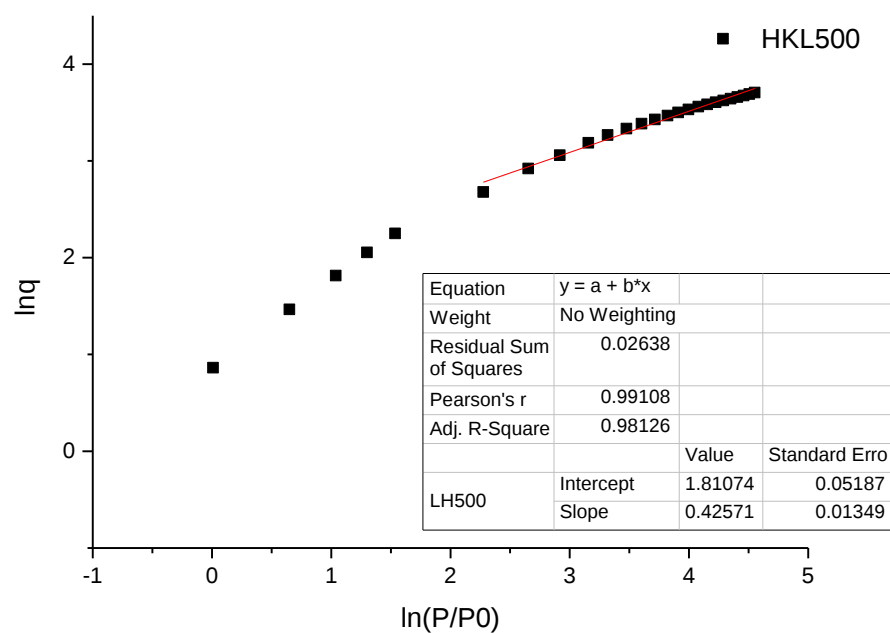


Figure 6S. Freundlich model applied to the data from CO_2 adsorption on HKL500

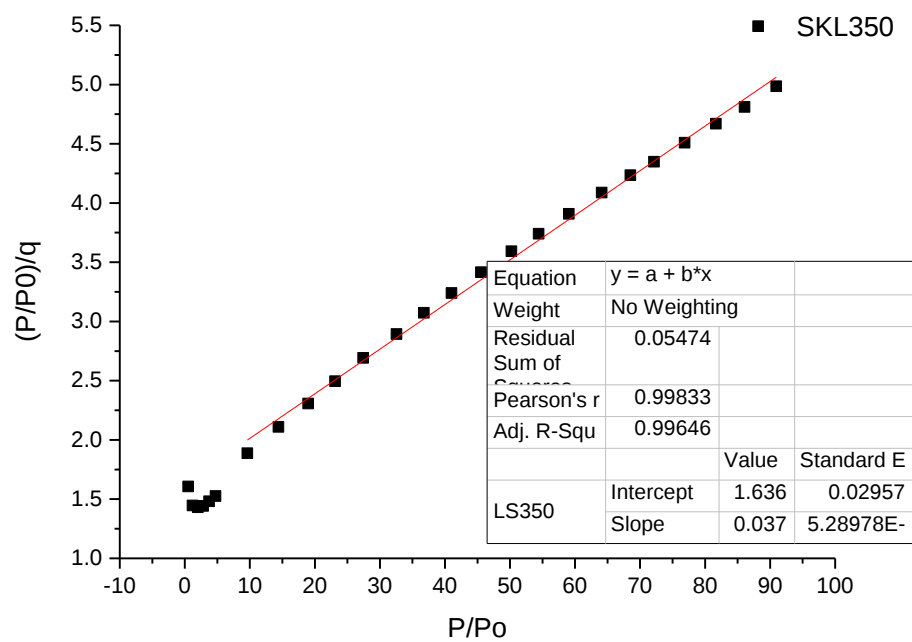


Figure 7S. Langmuir model applied to the data from CO_2 adsorption on SKL350

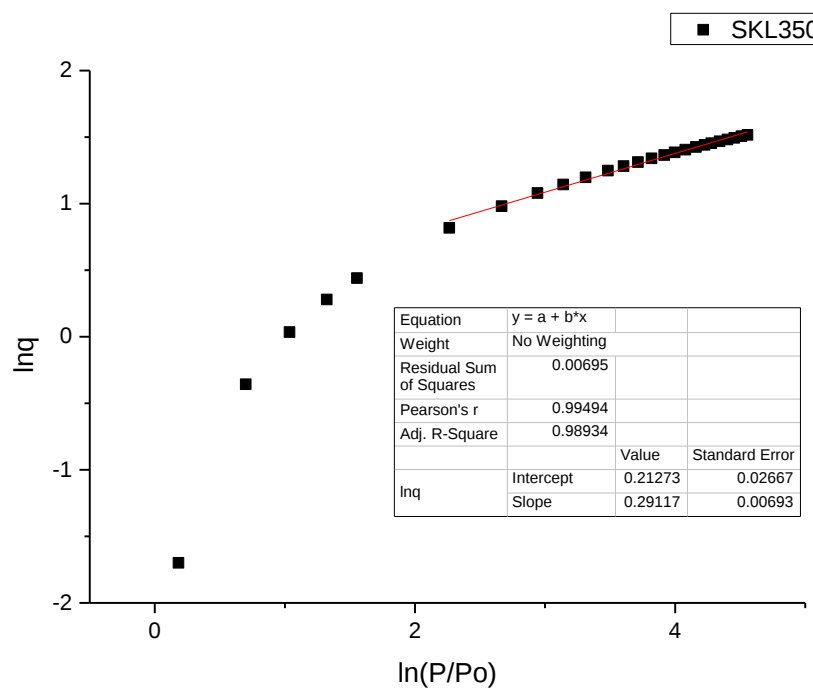


Figure 8S. Freundlich model applied to the data from CO_2 adsorption on SKL350

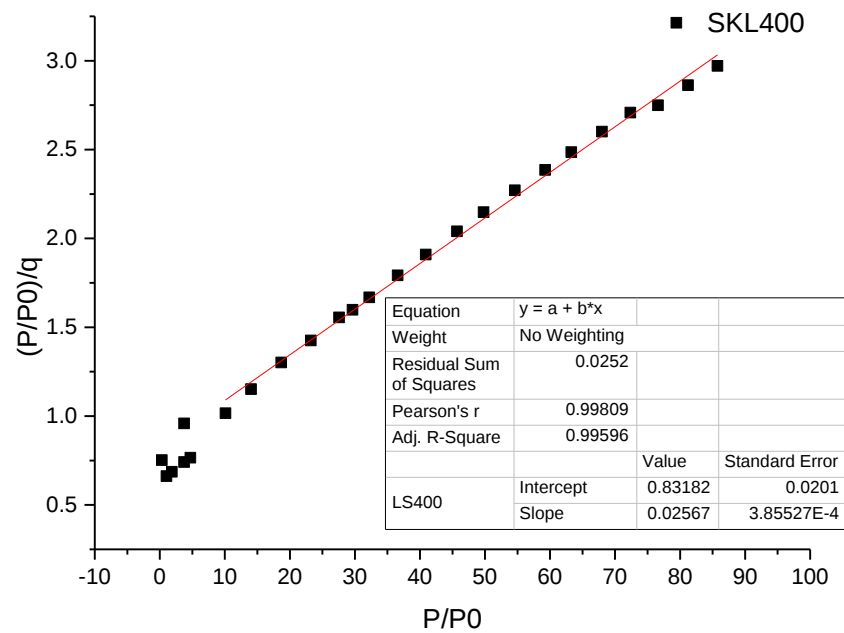


Figure 9S. Langmuir model applied to the data from CO_2 adsorption on SKL400

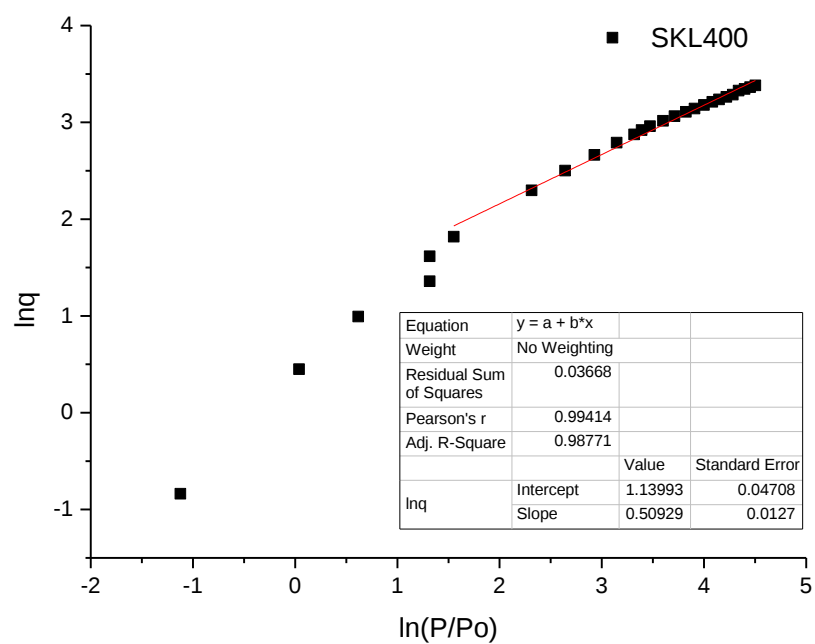


Figure 10S. Freundlich model applied to the data from CO_2 adsorption on SKL400

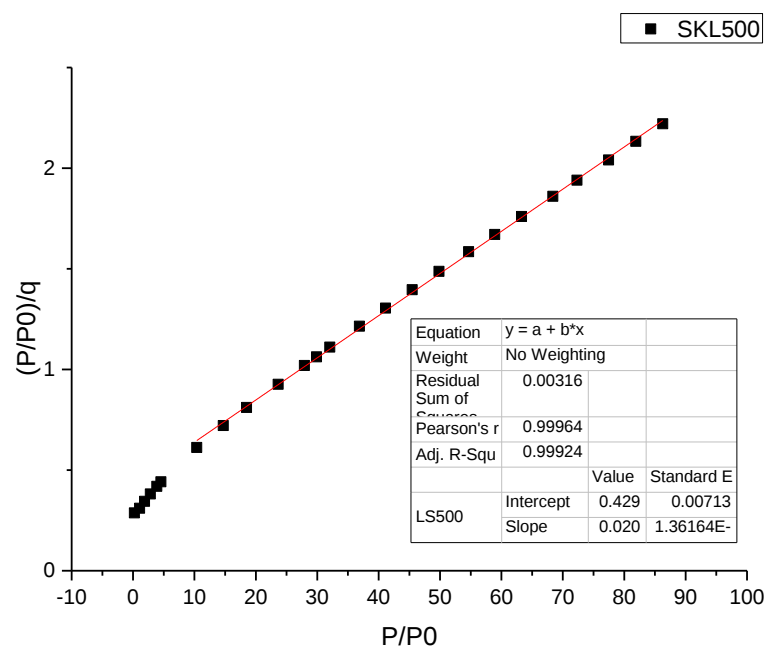


Figure 11S. Langmuir model applied to the data from CO_2 adsorption on SKL500

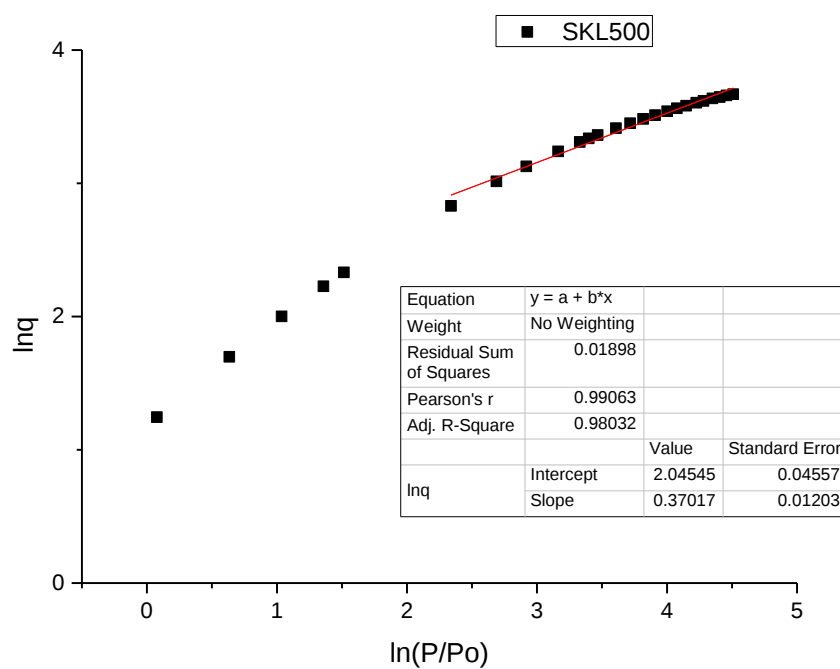


Figure 12S. Freundlich model applied to the data from CO_2 adsorption on SKL500