

Supporting Information

Investigating the properties of humins foams, the porous carbonaceous materials derived from biorefinery by-products

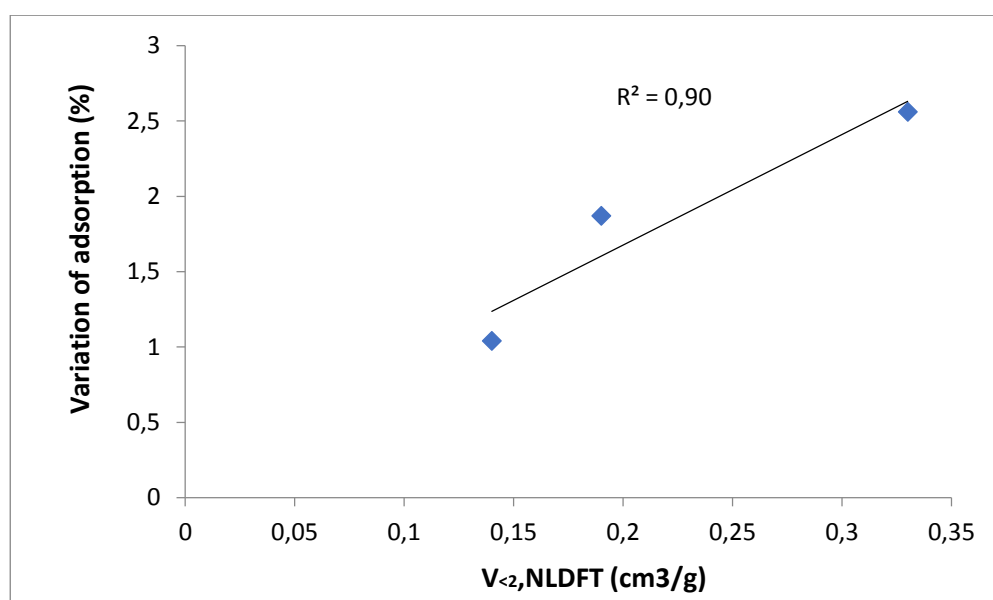
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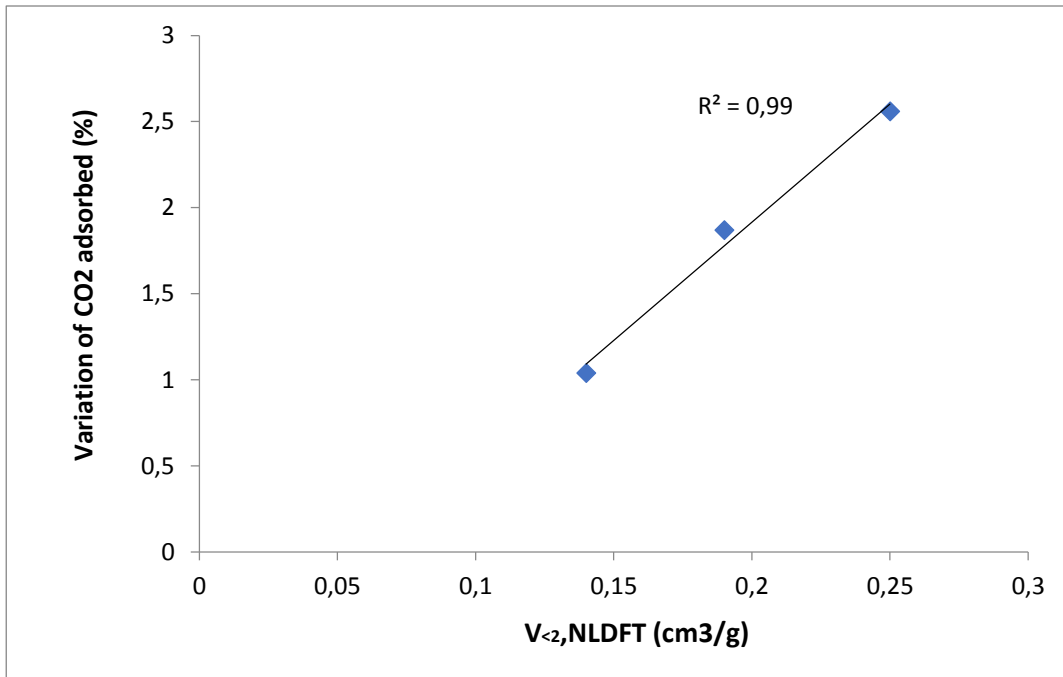
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SI 1 – Volume of the pores < 2 nm (x) in function of the variation of CO₂ adsorption between 50 °C and 100 °C (y) of F²500, F²700 and F²900..



SI 2 – Volume of the pores < 1nm (x) in function of the variation of CO₂ adsorption between 50 °C and 100 °C (y) of F²500, F²700 and F²900.

F250 has been neglected because of the presence of the surface oxygen species that can influence the CO₂ adsorption as specific interaction rather than as texture effect. As observed in SI 1 and SI 2, due to a high distribution in micropores volume, we don't find a linear relationship between values when pores < 2 nm are considerate (SI 1). When pores < 1 nm are considered (SI 2) we find a relation between values is almost perfect (R² = 0.99).