

Effect of the Alcohol Cosolvent in the Removal of Caffeine by Activated Carbons

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Supporting Information

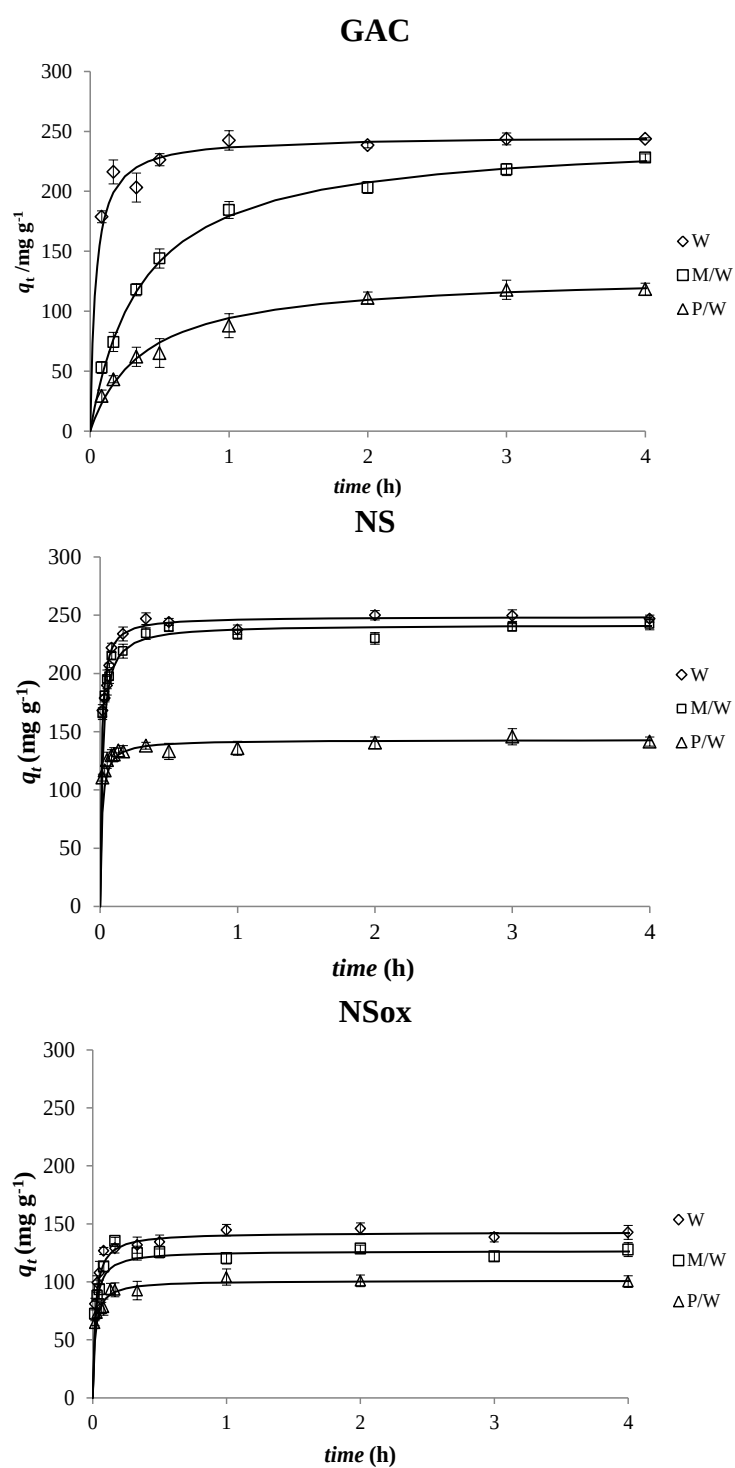


Figure 1S. Kinetic results of caffeine adsorption at 30 °C. Symbols correspond to the experimental data, whereas lines represent the fitting to the pseudo-second order kinetic equation. Error bars are included.

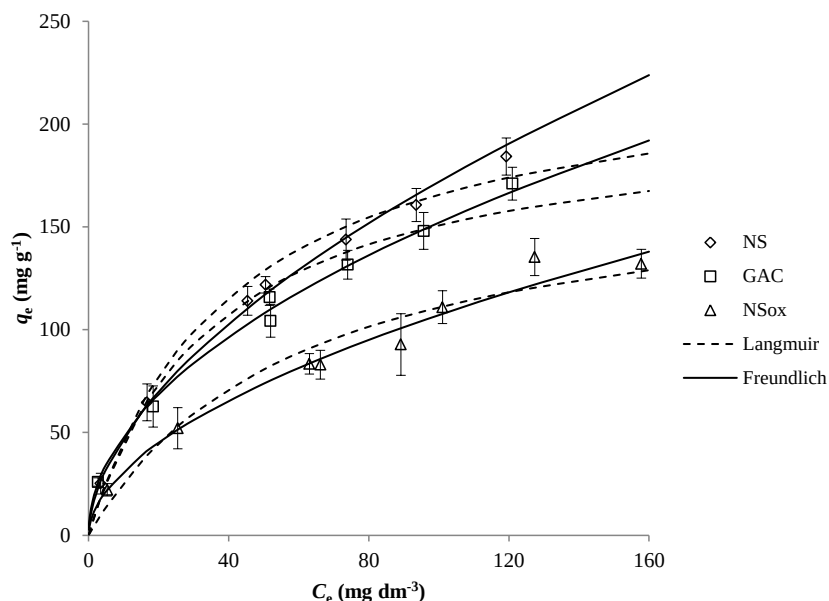


Figure 2S. Caffeine adsorption isotherms obtained in solvent P/W on the studied carbons at 30 °C. Symbols correspond to the experimental data, whereas lines represent the fitting to the most adequate theoretical equation (broken lines – fitting to the Langmuir equation; solid lines – fitting to the Freundlich equation). Error bars are included.

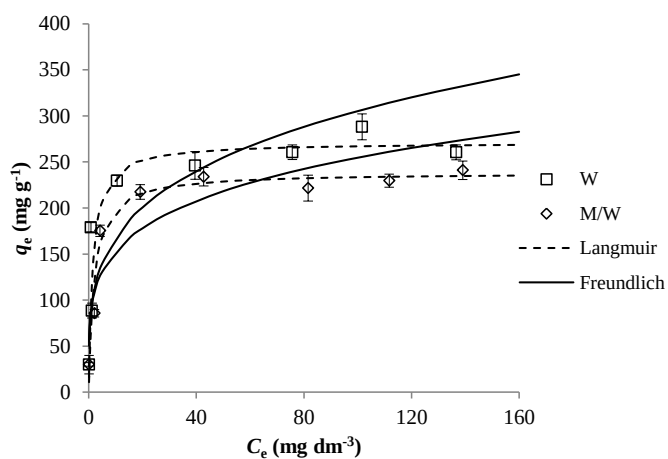


Figure 3S. Caffeine adsorption isotherms obtained in the mentioned solvents on GAC carbon at 30 °C. Symbols correspond to the experimental data, whereas lines represent the fitting to the most adequate theoretical equation (broken lines – fitting to the Langmuir equation; solid lines – fitting to the Freundlich equation). Error bars are included.