**Artificial coloration of smectite by adsorbing dyes from wastewater to make a hybrid pigment**

Itamar A. Rodrigues a, Fauze J. Anaissi a,\*

a Departament of Chemistry, Universidade Estadual do Centro-Oeste, Lab. de Materiais e Compostos Inorgânicos, Alameda Elio Antônio Dalla Vecchia 838, 85040-167, Guarapuava, PR, Brazil.

\* Corresponding author: anaissi@unicentro.br

**Supplementary Material**



Fig. 1S. Equilibrium isotherms for Tartrazine dye sorption on Argel-Fe and Volclay-Fe clays.



**Fig. 2S**. Equilibrium isotherms for Brilliant Blue FCF dye sorption on Argel-Fe and Volclay-Fe clays.



**Fig. 3S**. Equilibrium isotherms for Amaranth dye sorption on Argel-Fe and Volclay-Fe clays.



Fig. 4S. Sorption kinetics for Tartrazine dye on Argel-Fe and Volclay-Fe.



Fig. 5S. Sorption kinetics for Brilliant Blue FCF dye on Argel-Fe and Volclay-Fe.



Fig. 6S. Sorption kinetics for Amaranth dye on Argel-Fe and Volclay-Fe.