

Application of acidic treated peanut shell biochar in methyl orange removal from aqueous medium: Elucidating isotherms, kinetics and proposed mechanism

Erik S. Pereira, Ralf R. R. Junior*, Sandro J. Andrade

Institute of Physics and Chemistry, Federal University of Itajubá, 3500-903, Minas Gerais, Brazil.

*Corresponding author. E-mail: ralf.junior@unifei.edu.br

Supplemental Information

4 pages

3 figures

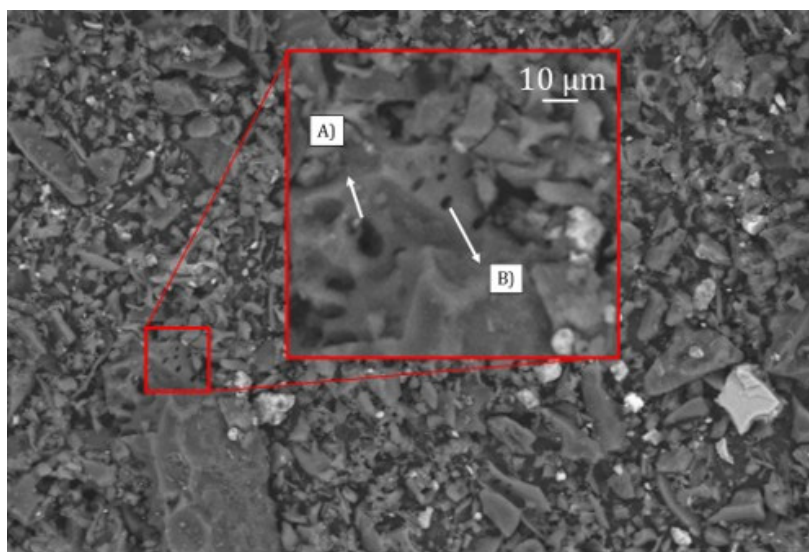


Figure S1. SEM image of PS-BC at 1000x magnification with sections showing the pore profile about $10 \mu\text{m}^2$ (A) and $4 \mu\text{m}^2$ (B).

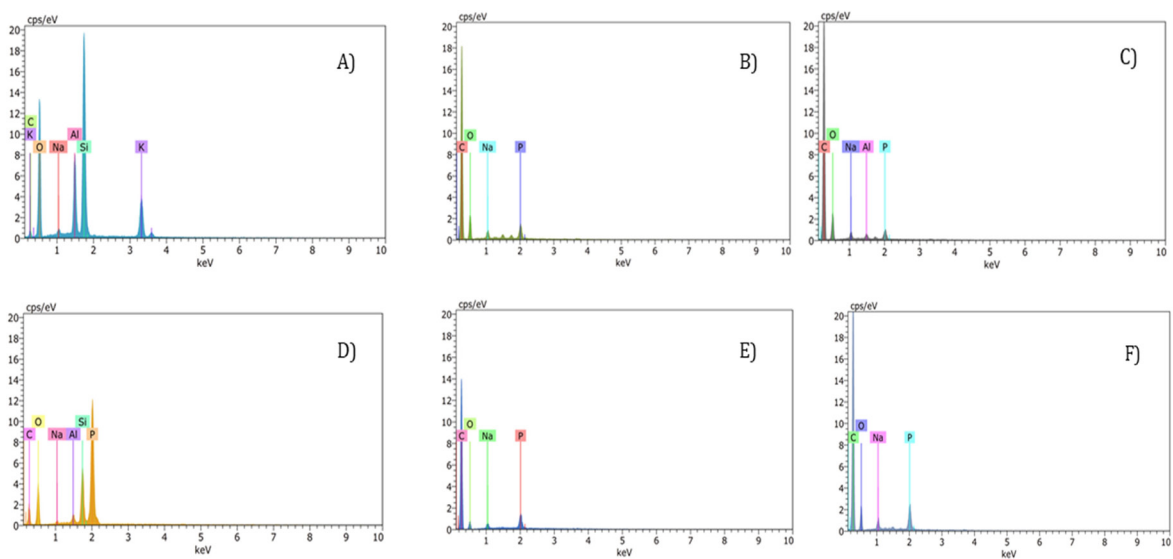


Figure S2. EDS spectra from punctual semi quantification in PS-BC: point 1 (A); point 2 (B); point 3 (C); point 4 (D); point 5 (E); point 6 (F).

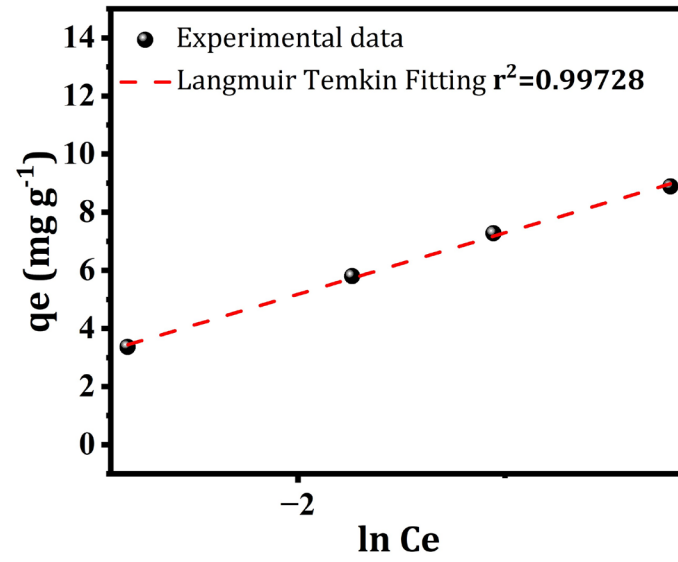


Figure S3. Temkin isotherm fitting.
