Supplementary Data

As(III) Removal from Drinking Water using Manganese Oxide-Coated-Alumina: Performance Evaluation and Mechanistic Details of Surface Binding

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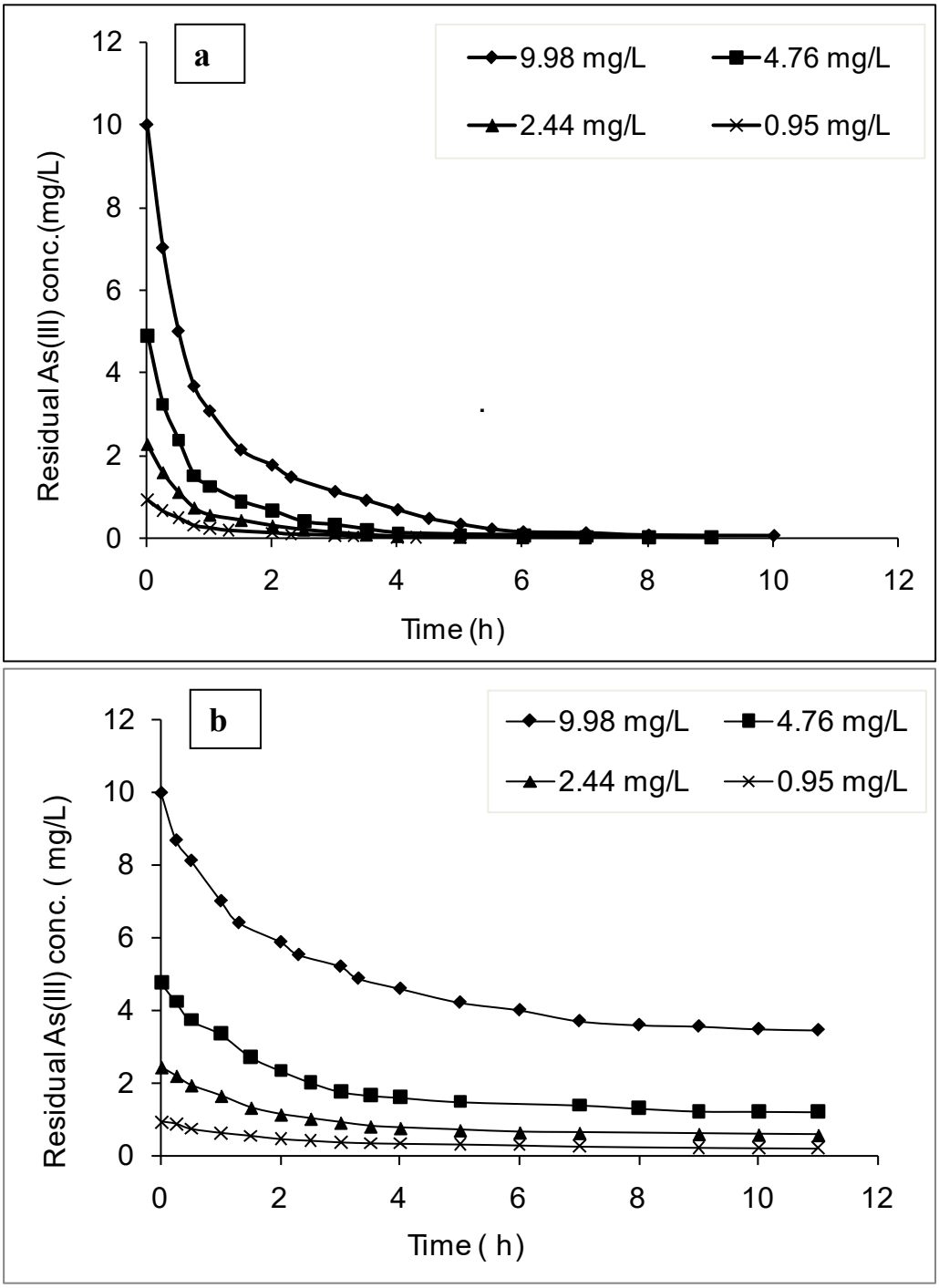
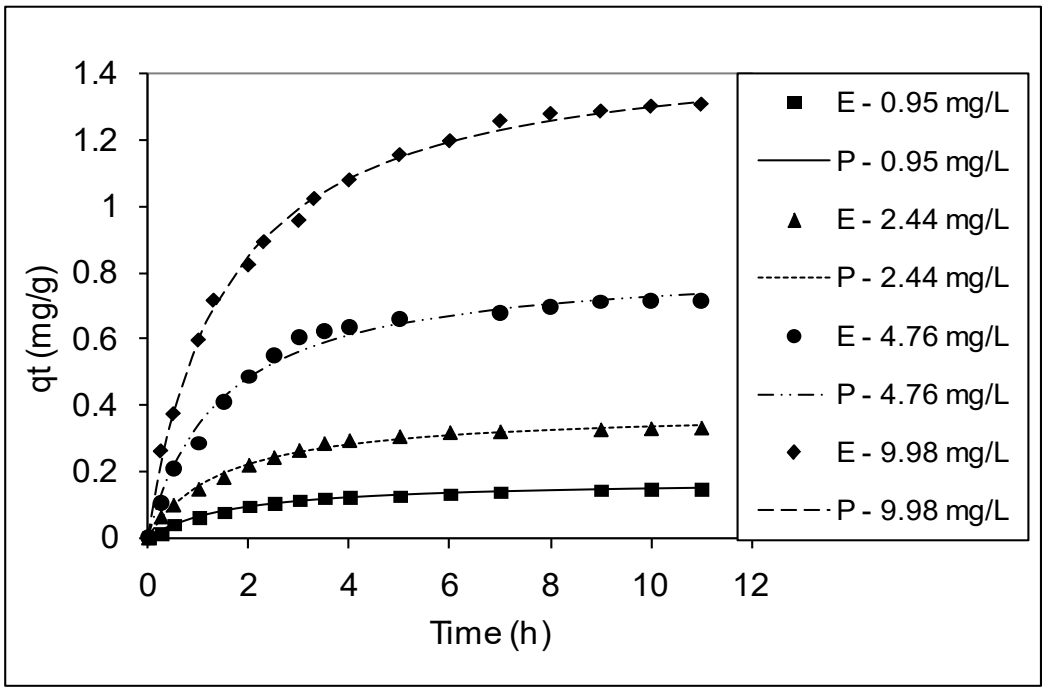
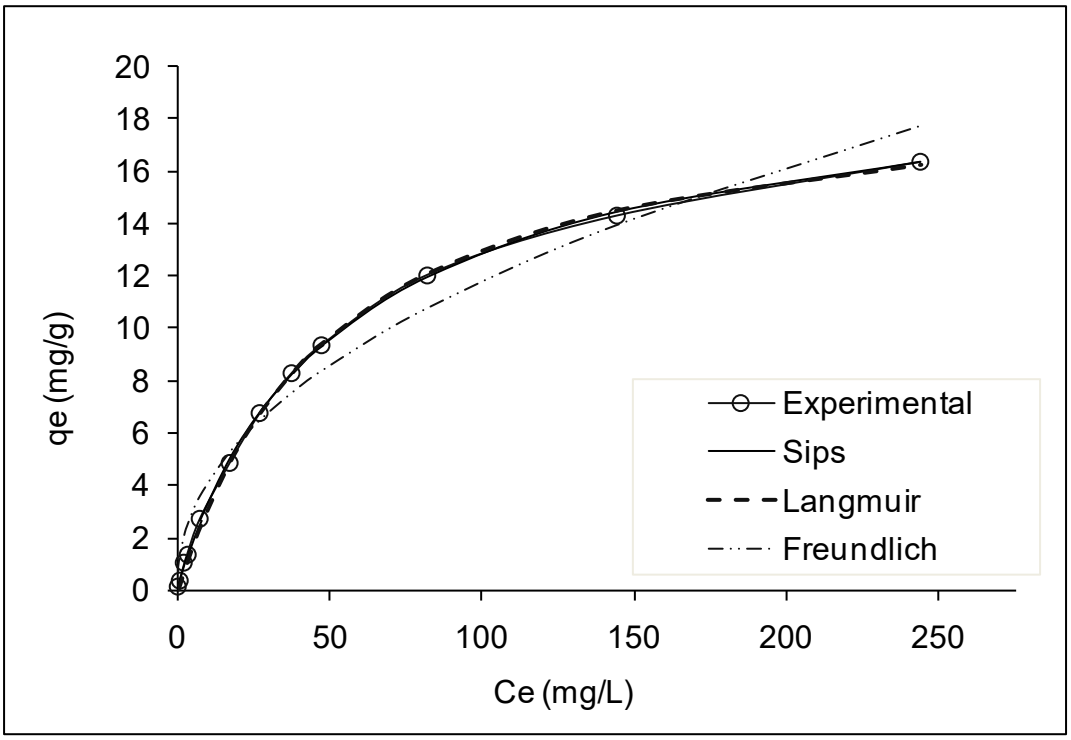


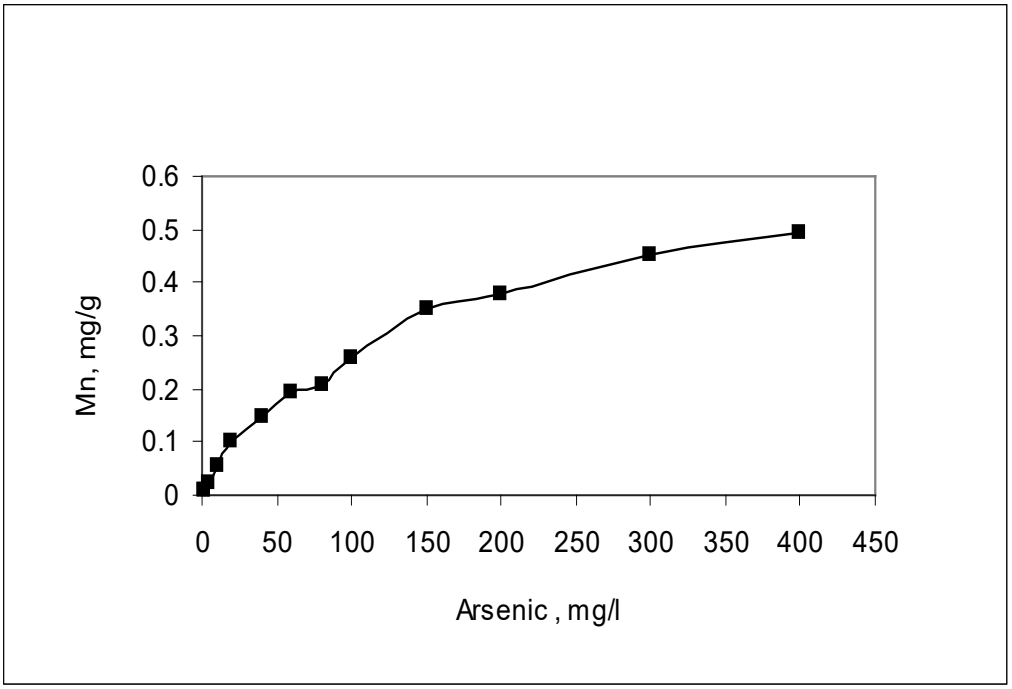
Supplementary Fig.1 Kinetics of As(III) removal by MOCA (a) AA (b) at various initial arsenite concentrations.



Supplementary Fig. 2. Pseudo-second-order plots for As(III) removal by AA at various initial As(III) concentrations.



Supplementary Fig. 3. Comparison of various isotherm plots with experimental equilibrium data for adsorption of arsenite onto AA (initial pH - 7 ± 0.2, temperature - 30 ± 1^0C).



Supplementary Fig. 4. Manganese (II) release pattern during the adsorption of arsenite onto MOCA.