

The data of all iron (III) sorption experiments on the DFO SAMMS prepared in this work, fitted through the Langmuir (continuous line) and Freundlich (dotted line) equation using a non-linear fitting program, are reported in the following figures. The results are summarized in tables 1 and 2.

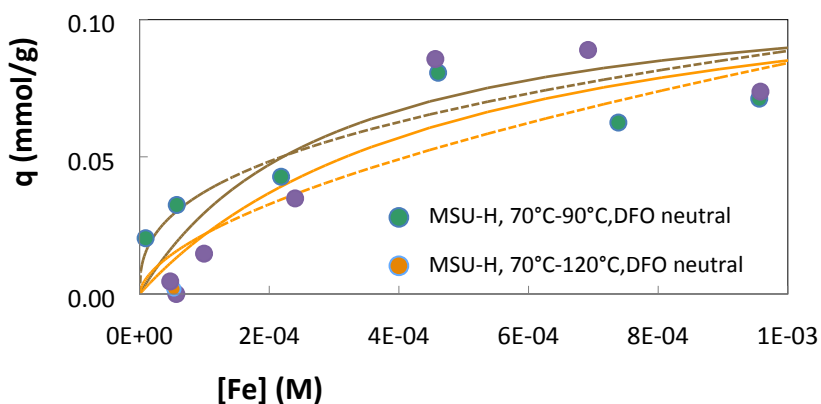


Figure 1s: Isotherm sorption profiles for DFO SAMMS on MSU-H type synthesized using the following conditions: 70°-90°C and 70-120°C using DFO neutral. Langmuir (continuous line) and Freundlich (dotted line) equation are reported. Profile obtained at 25.0(1)°C in 0.1M KNO₃ at pH 2.50(5).

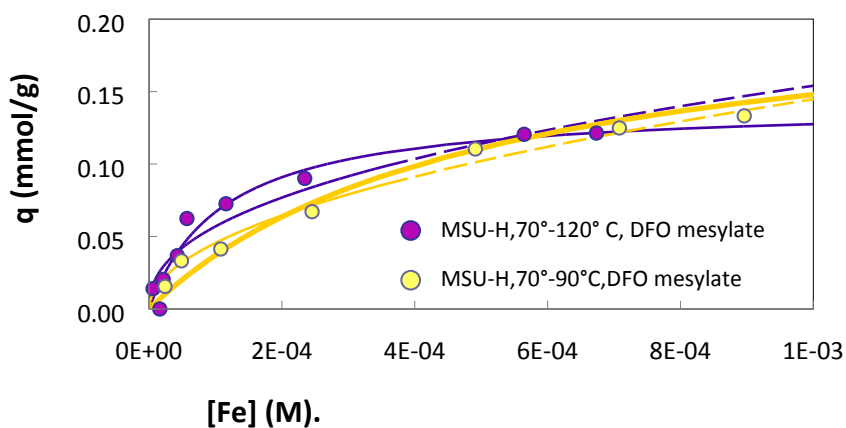


Figure 2s: Isotherm sorption profiles for DFO SAMMS on MSU-H type synthesized using the following conditions: 70°-90°C and 70-120°C using DFO mesylate. Langmuir (continuous line) and Freundlich (dotted line) equation are reported. Profile obtained at 25.0(1)°C in 0.1M KNO₃ at pH 2.50(5).

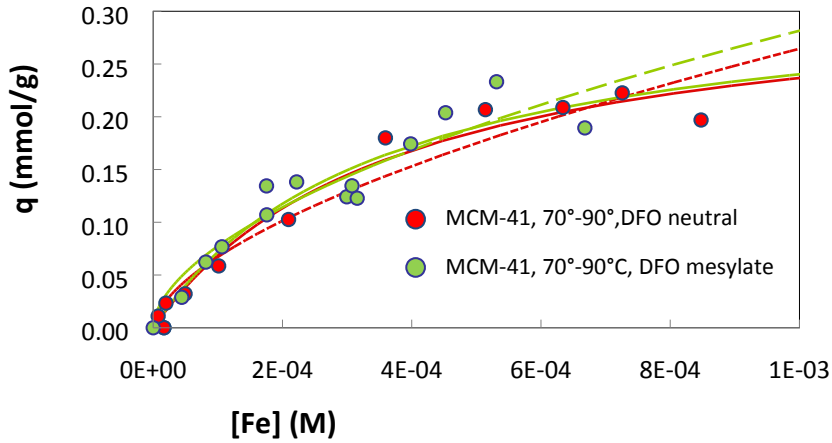


Figure 3s: Isotherm sorption profiles for DFO SAMMS on MCM-41 type synthesized using the following conditions: 70°-90°C using DFO neutral and mesylate. Langmuir (continuous line) and Freundlich (dotted line) equation are reported. Profile obtained at 25.0(1)°C in 0.1M KNO₃ at pH 2.50(5).

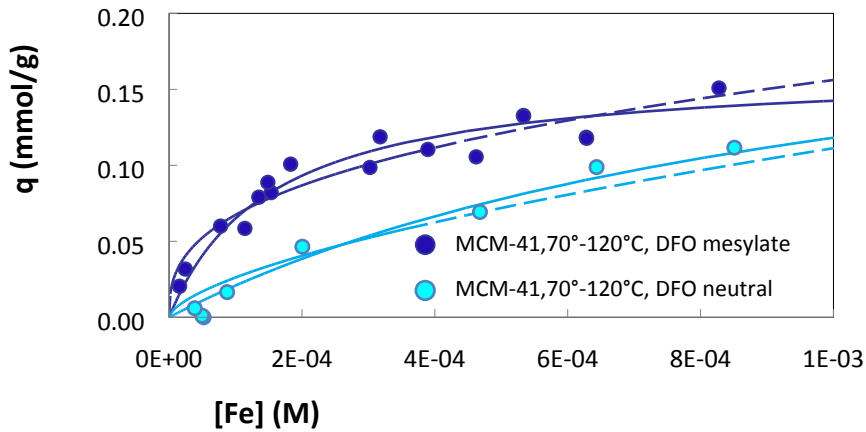


Figure 4s: Isotherm sorption profiles for DFO SAMMS on MCM-41 type synthesized using the following conditions: 70°-120°C using DFO neutral and mesylate. Langmuir (continuous line) and Freundlich (dotted line) equation are reported. Profile obtained at 25.0(1)°C in 0.1M KNO₃ at pH 2.50(5).