

Supplementary Data

Polyoxometalate supported on magnetic Fe₃O₄/MIL-88A rod-like nanocomposite as an adsorbent for the removal of ciprofloxacin, tetracycline and cationic organic dyes from aqueous solutions

Mona Ashrafi and Saeed Farhadi*

^a Department of Chemistry, Lorestan University, Khorramabad, 68151-44316, Iran.

Email address: farhadi.s@lu.ac.ir (S. Farhadi)

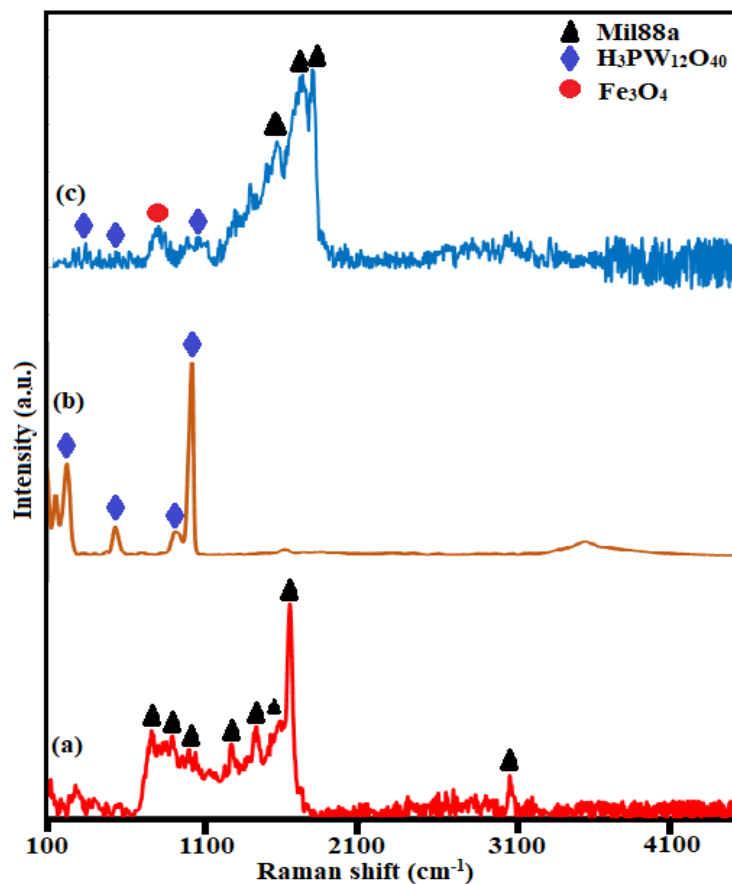
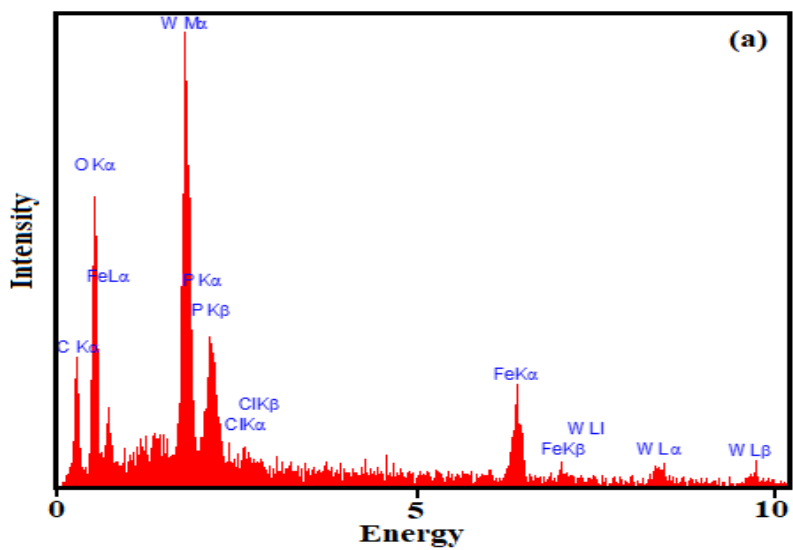


Fig. S1. Raman spectra of MIL-88A (a), $\text{H}_3\text{PW}_{12}\text{O}_{40}$ (b), and $\text{H}_3\text{PW}_{12}\text{O}_{40}/\text{Fe}_3\text{O}_4/\text{MIL-88A}$ Fe rod-like composite (c).



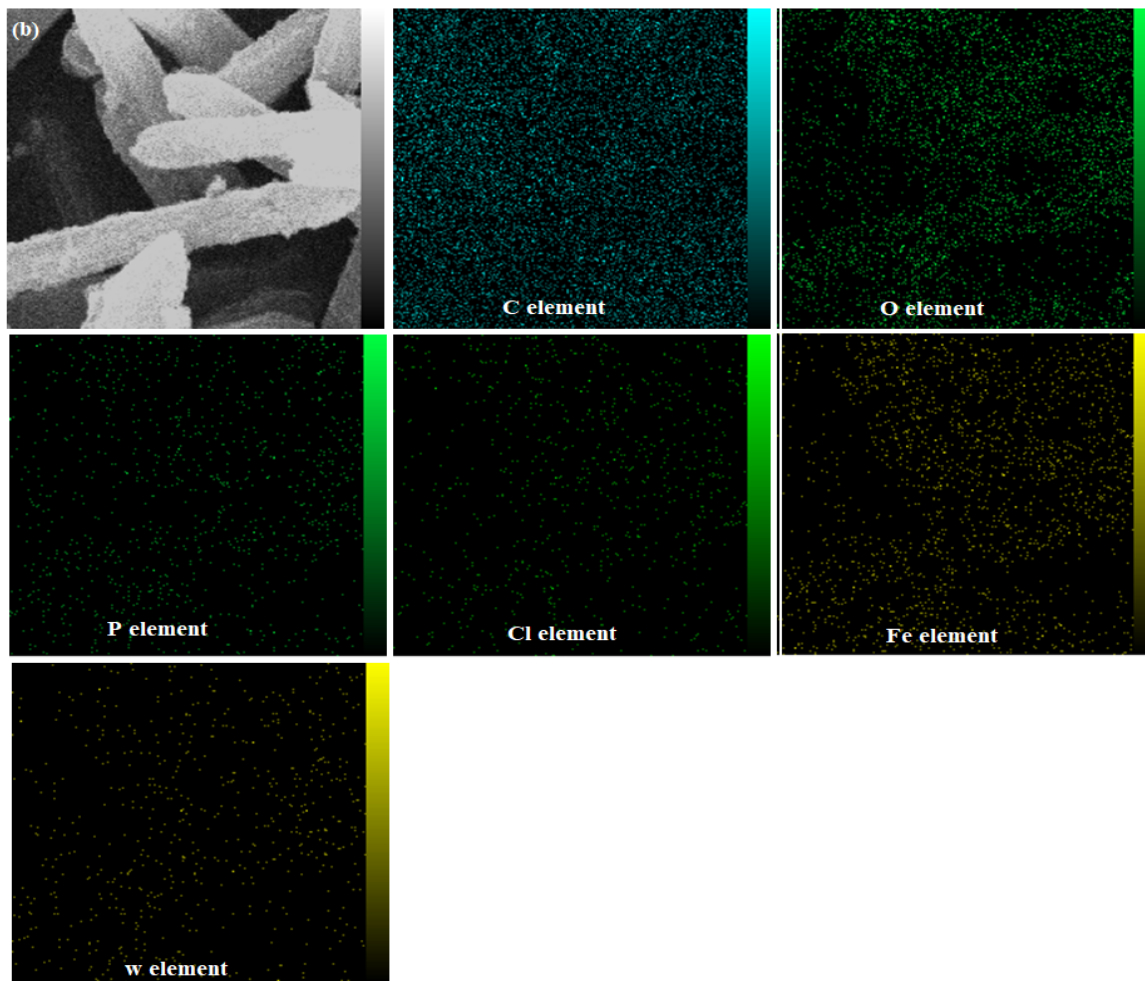


Fig. S2. EDX spectrum (a) and representative SEM photograph of the $\text{H}_3\text{PW}_{12}\text{O}_{40}/\text{Fe}_3\text{O}_4/\text{MIL-88A (Fe)}$ with corresponding EDX elemental mappings (b).