

*Supplementary Materials*

# **Ion-Imprinted Polymer Structurally Preorganized Using a Phenanthroline-Divinylbenzoate Complex with the Cu(II) Ion as Template and Some Adsorption Results**

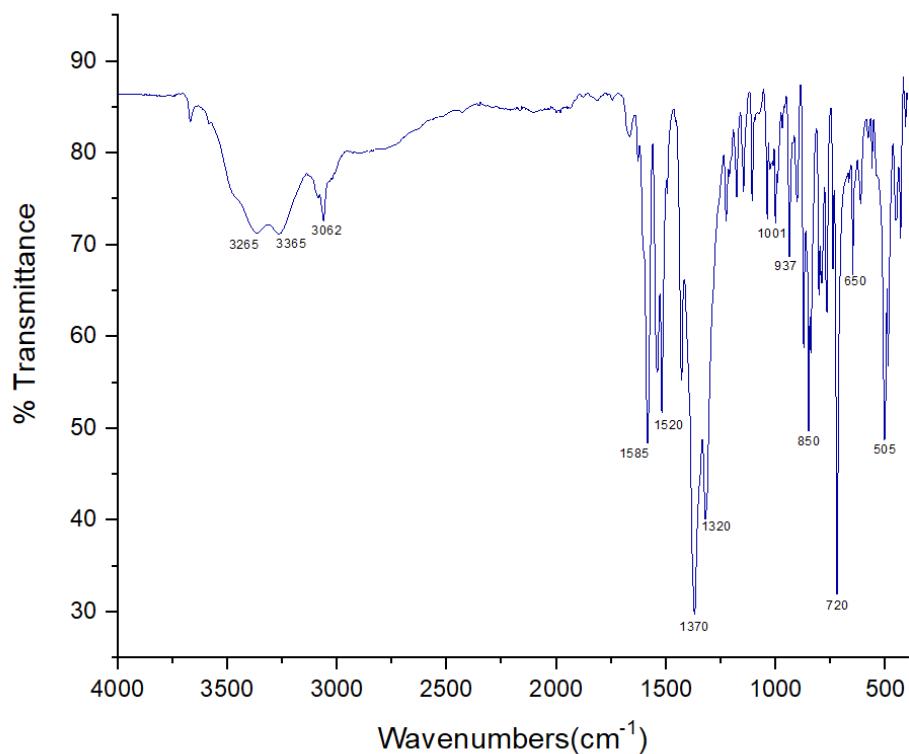
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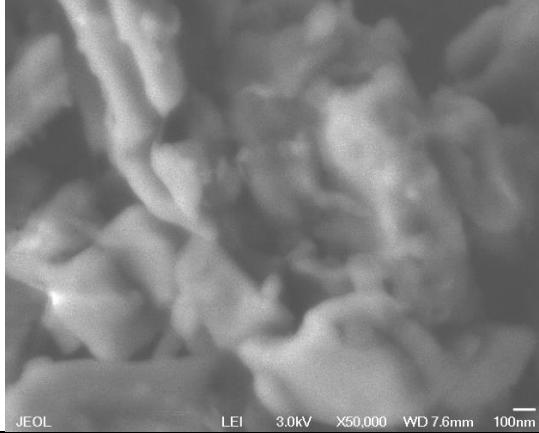
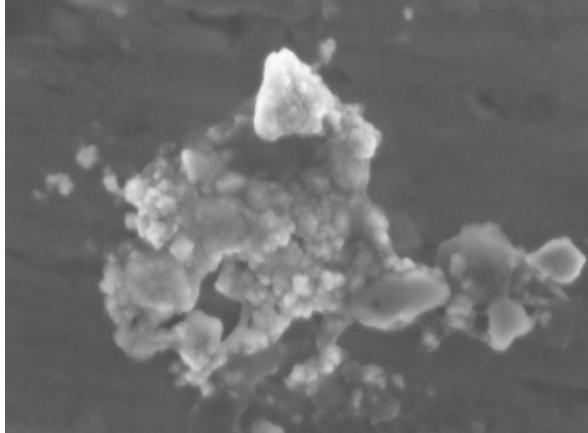
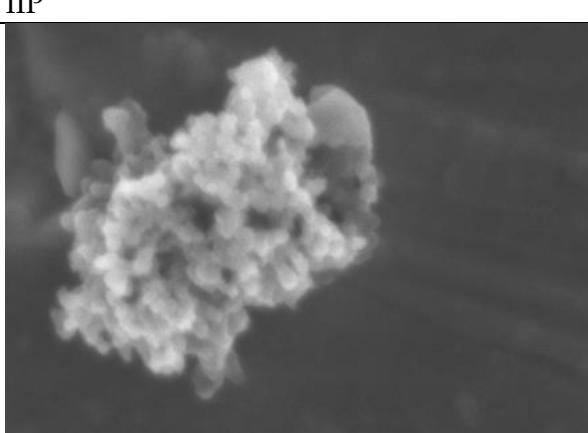


**Figure S1.** FT-IR spectra of the functional monomer.

**Preparation of the MIP with Nitromethane as the Porogen.**

In 10 mL of nitromethane was dissolved 0.18 mmol (0.1 g) of the copper complex, [Cuphen(VBA)<sub>2</sub>H<sub>2</sub>O]. Then were added 3.59 mmol (678 µL) of EGDMA and 0.02 mmol (0.0033 g) of AIBN previously recrystallized in methanol. The reaction was left under constant stirring for 48 h at 70 oC and under inert atmosphere conditions. A brownish-green precipitate was filter off, washed and dry under vacuum. The resulted blue precipitated was filter off then it was dissolved in 15 mL of methanol and left under fridge to obtain crystals available for X-ray diffraction.

**Table S1.** SEM micrographs and average particle diameters of the prepared materials, IIP, MIP and functional monomer.

Monomer		Average diameter of the particles is 101.59 nm
MIP		Average diameter of the particles is 90.73 nm
IIP		Average diameter of the particles is 41.33 nm