Synthesis and retention properties of molecularly imprinted polymers for antibiotics containing 5-nitrofuran ring

Electronic supplementary information

Edina Rusen,¹ Aurel Diacon,¹ Alexandra Mocanu,¹ Florentina Rizea,¹ Bogdan Bucur,²*

Madalina Petruta Bucur,² Gabriel-Lucian Radu,² Elena Bacalum,³ Mihaela Cheregi,⁴

Victor David⁴

- ¹ University Politehnica of Bucharest, Faculty of Applied Chemistry and Materials Science, Dept. Bioresources & Polymer Sci, 1-7 Gh Polizu St, Bucharest 011061, Romania
- ² Centre of Bioanalysis, National Institute of Research and Development of Biological Sciences, 296, Splaiul Independentei, Bucharest, 060031, Romania
- ³ University of Bucharest, Research Institute ICUB, Blvd. M. Kogalniceanu, no. 36-46, Bucharest, 050107, Romania
- ⁴ University of Bucharest, Faculty of Chemistry, Department of Analytical Chemistry, Sos. Panduri, no 90, Bucharest 050663, Romania
- * Corresponding author: bucurica@yahoo.com; Tel.: +40-021-22-00-900

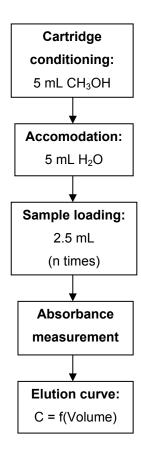


Figure ESM-1. Diagram of the SPE procedure used for elution curve

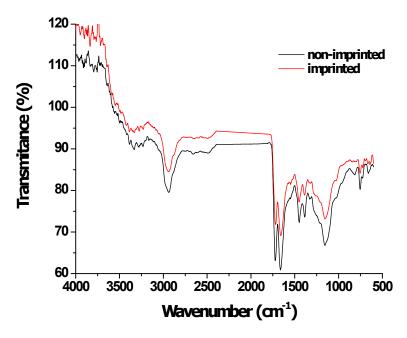


Figure ESM-2. FT-IR spectra for MIP-F3 and the corresponding NIP.

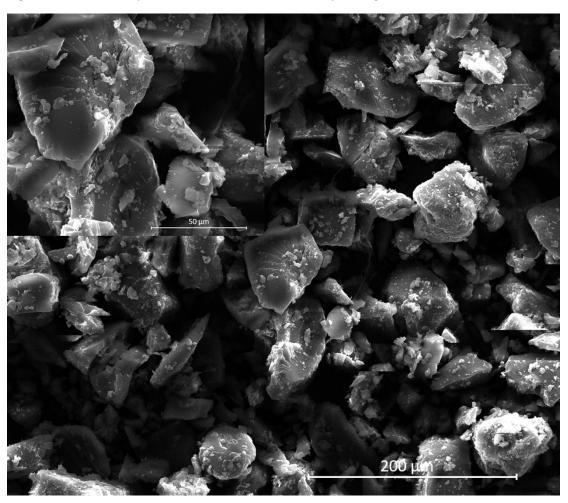


Figure ESM-3. SEM images at different magnifications for MIP-F3

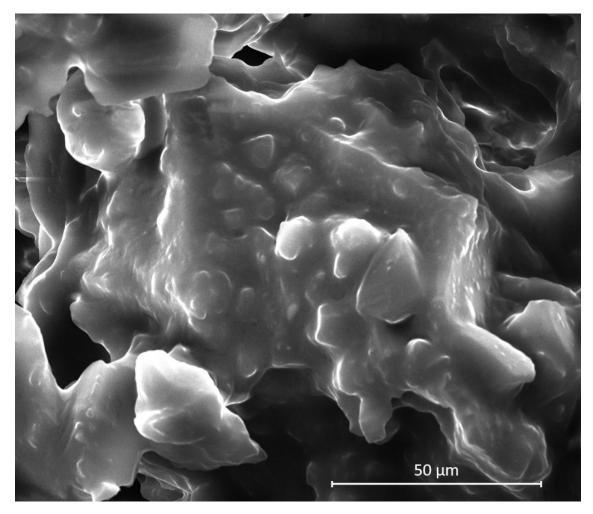


Figure ESM-4. SEM images for MIP-N3 after extraction of nitrofurantoin