

ARTICLE

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Supplementary

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## Selective Thin-Film Microextraction of Naproxen from Biological and Environmental matrices utilizing Chitosan-Derived Bio-Imprinted Polymer with Fluorescence Detection

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Supplementary Information available: [details of any supplementary information available should be included here]. See DOI: 10.1039/x0xx00000x

Fig.S1

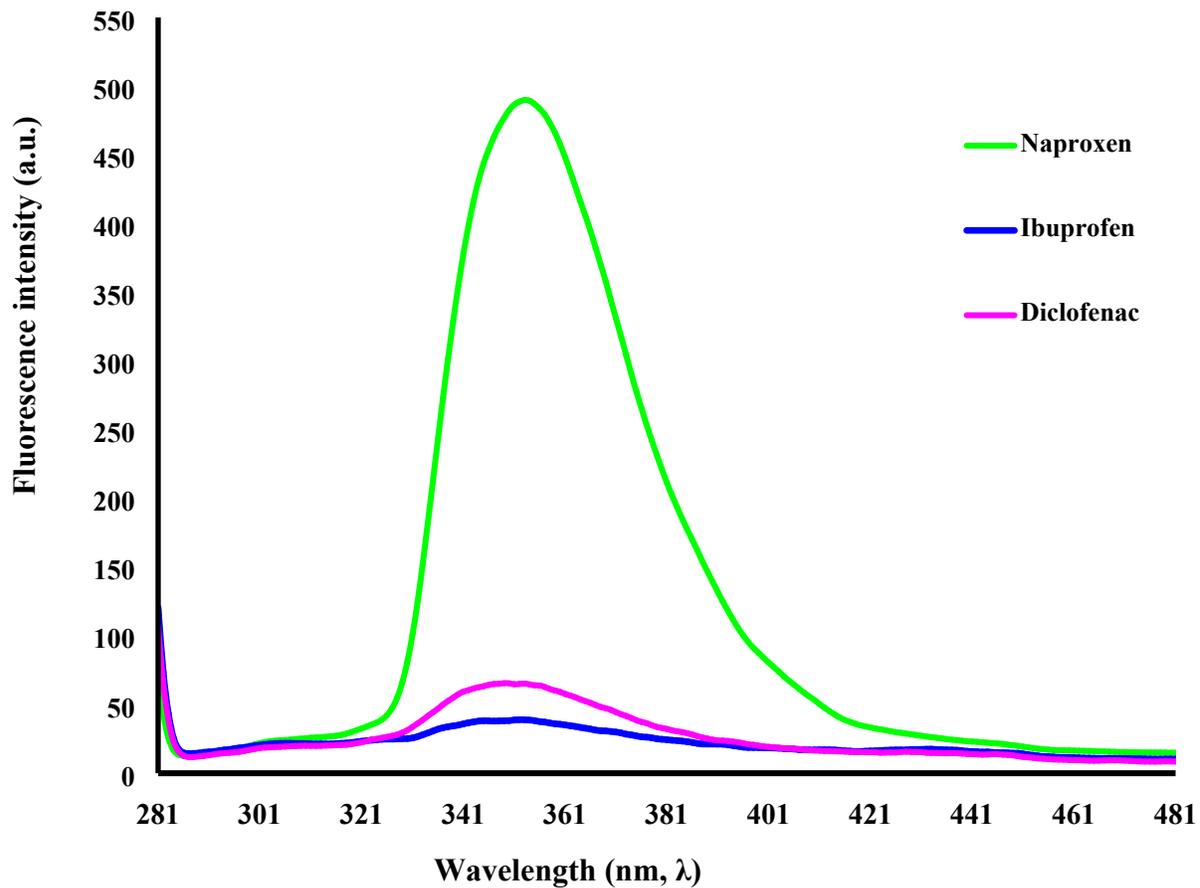


Fig.S1. Fluorescence spectra of the selectivity of the CS-derived MIP toward naproxen compared with related analogues.

Fig. S2.

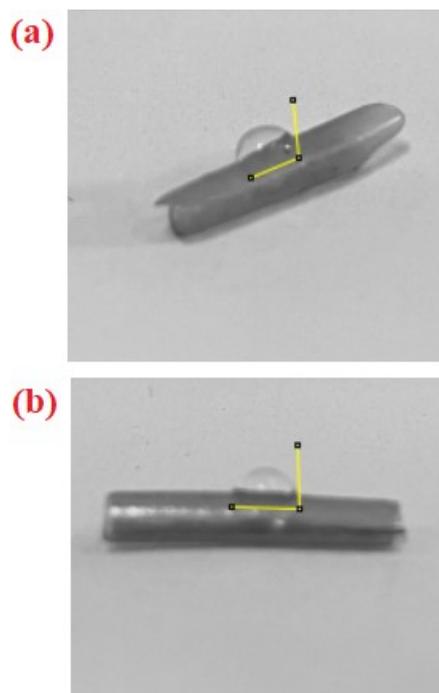


Fig. S2. Evaluation of the hydrophobicity and hydrophilicity of synthesized (a) CS-MIP, and (b) CS-NIP thin films using sessile-drop and manual tangent method

Fig. S3.

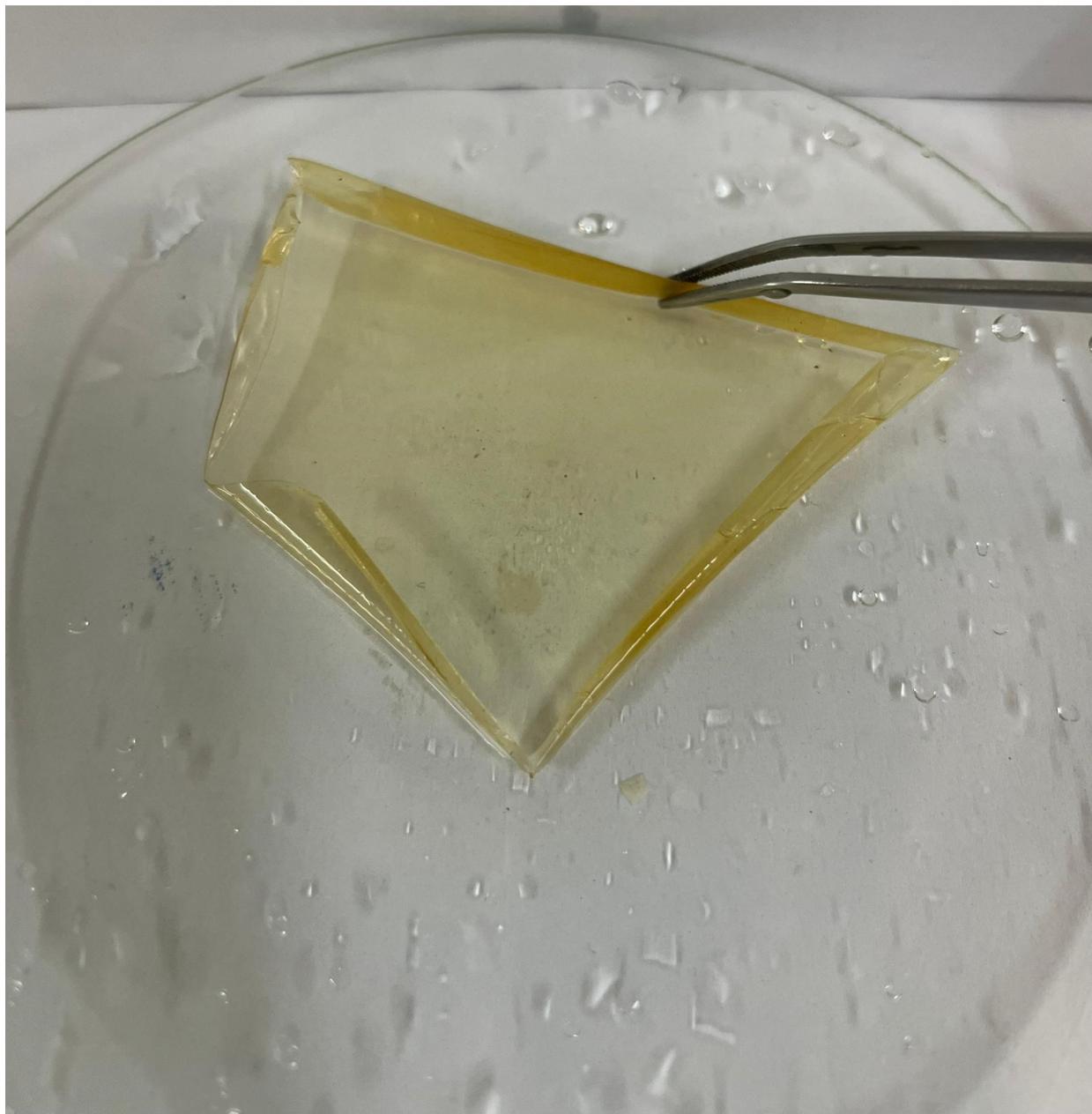


Fig. S3. Stability and shelf-life of the synthesized CS-MIP thin film

Fig.S4.

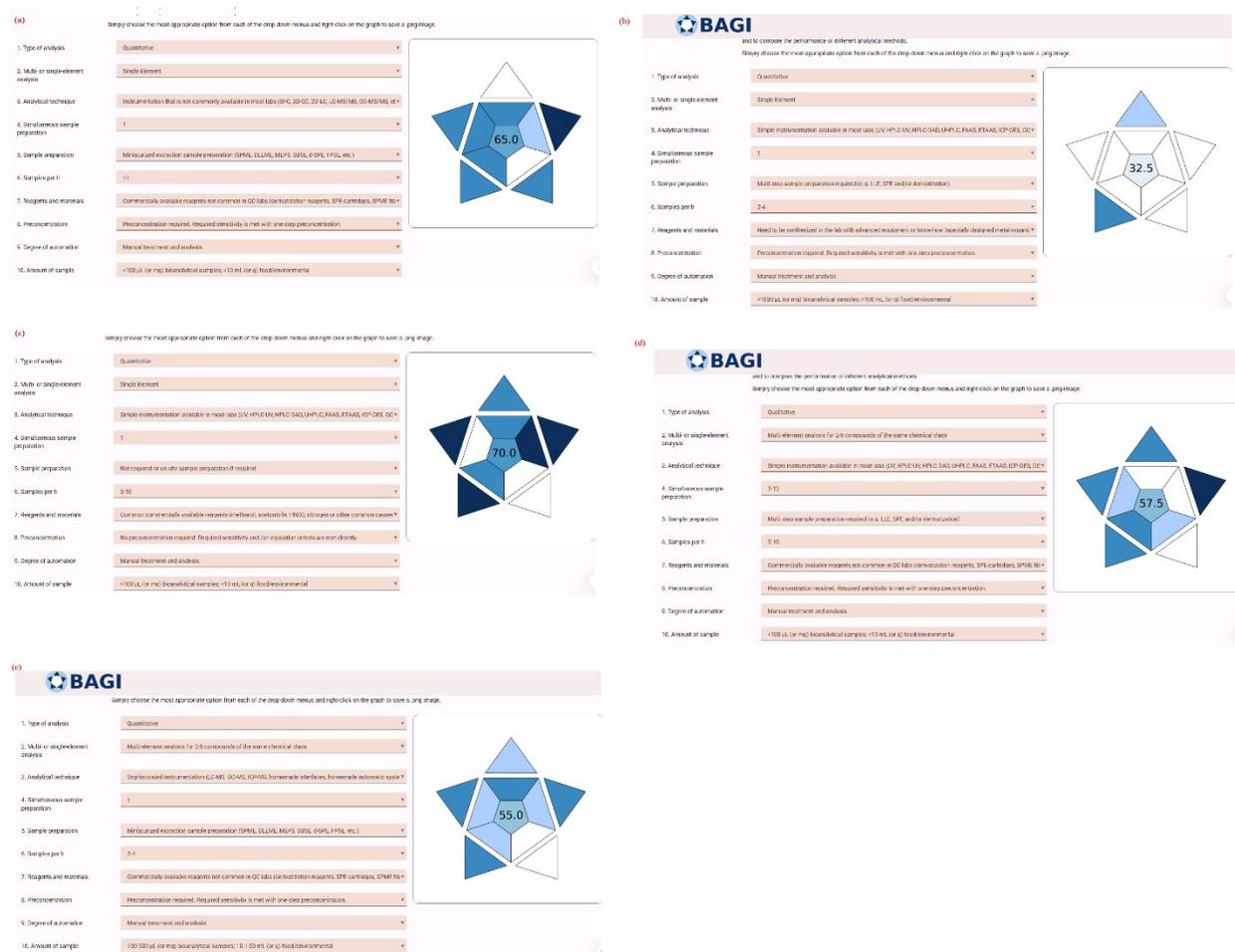


Fig. S4. Evaluation of the reported method in table 3 with BAGI tool (a) SPME-LC-UV, (b) SPE-FL, (c) HPLC-ECL, (d) SPE-HPLC-FL, (e) FPSE-GC-MS

Fig. S5.

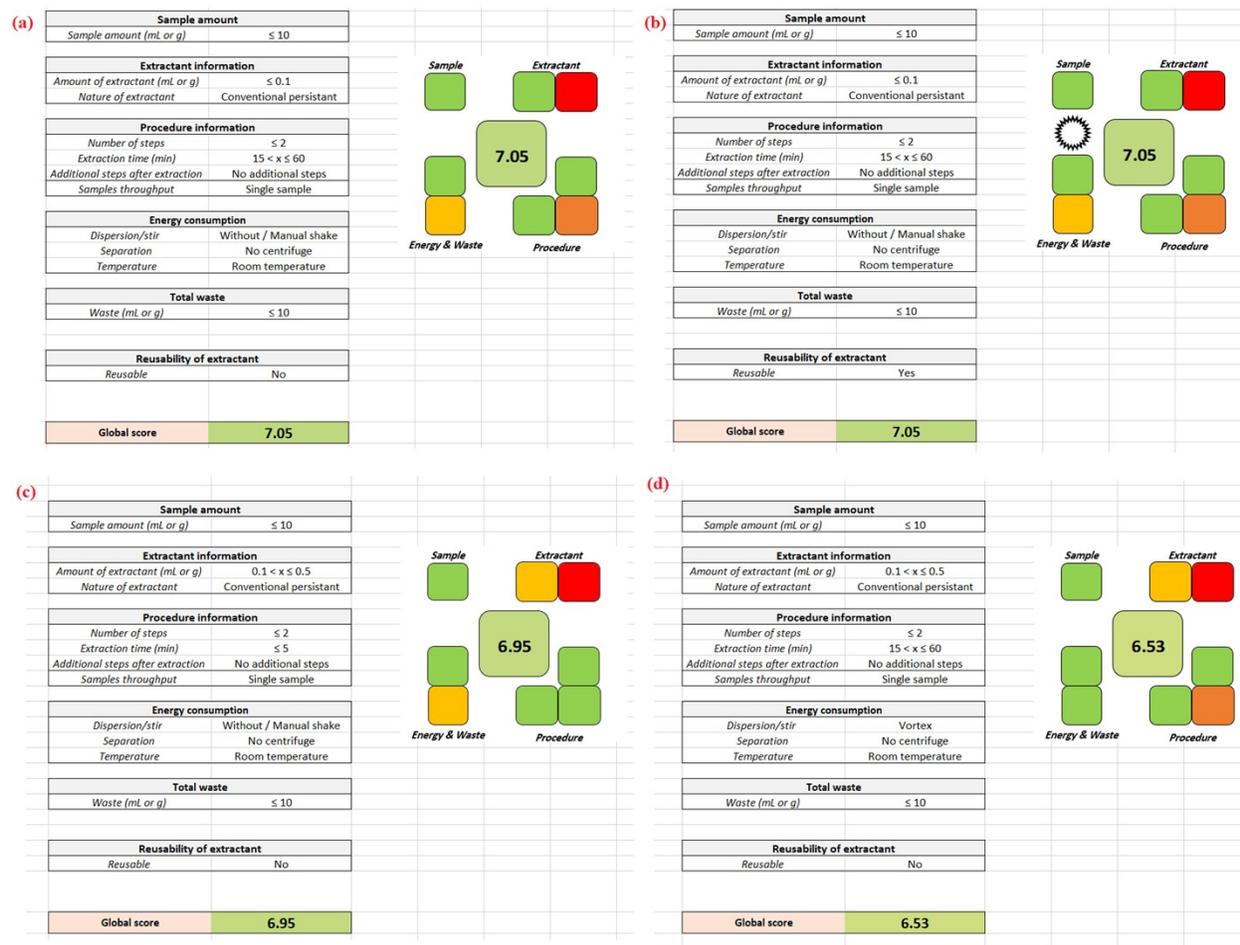


Fig. S5. Evaluation of the reported method in table 3 with SPMS tool (a) SPME-LC-UV, (b) SPE-FL, (c) SPE-HPLC-FL, (d) FPSE-GC-MS

Fig.S6.

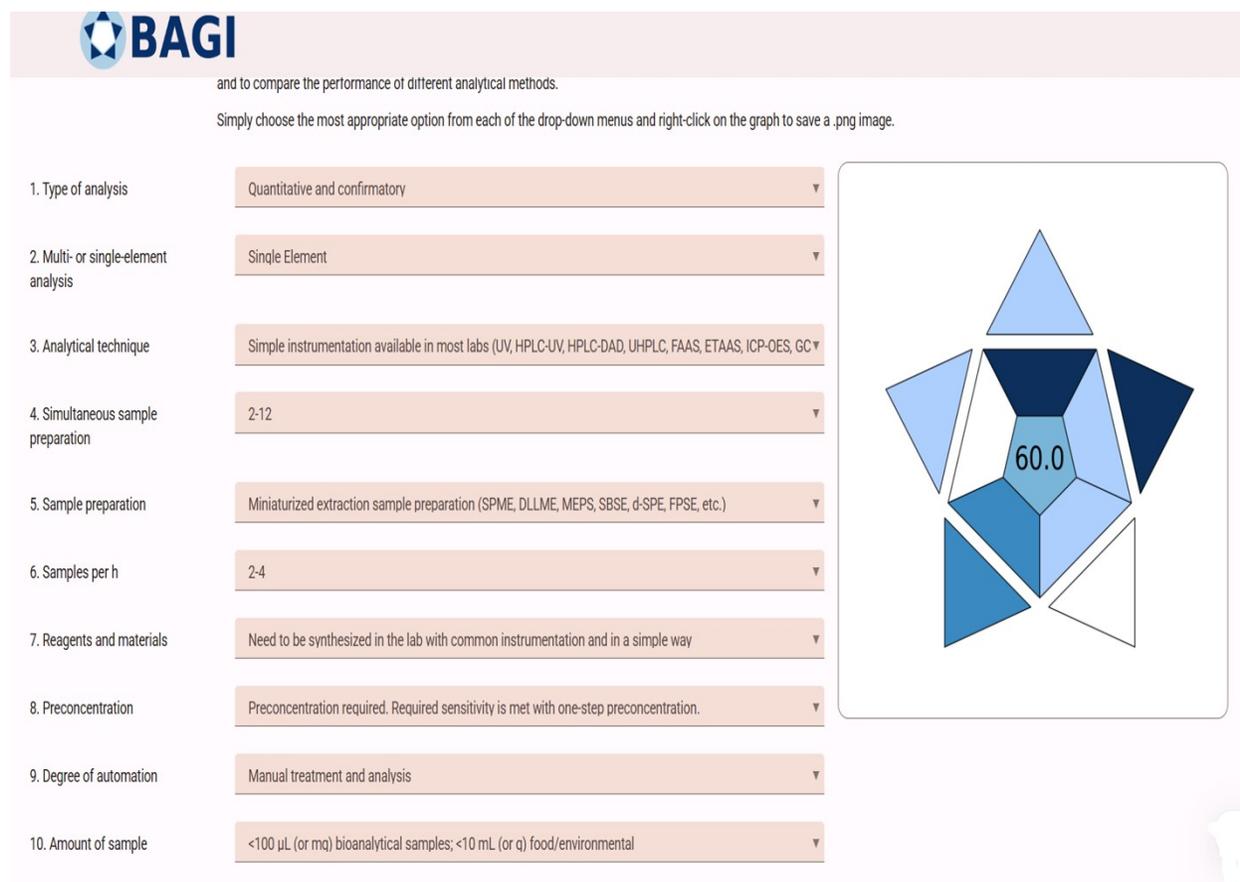


Fig. S6. Investigation of the developed method applying BAGI tool