

## Supplementary Materials

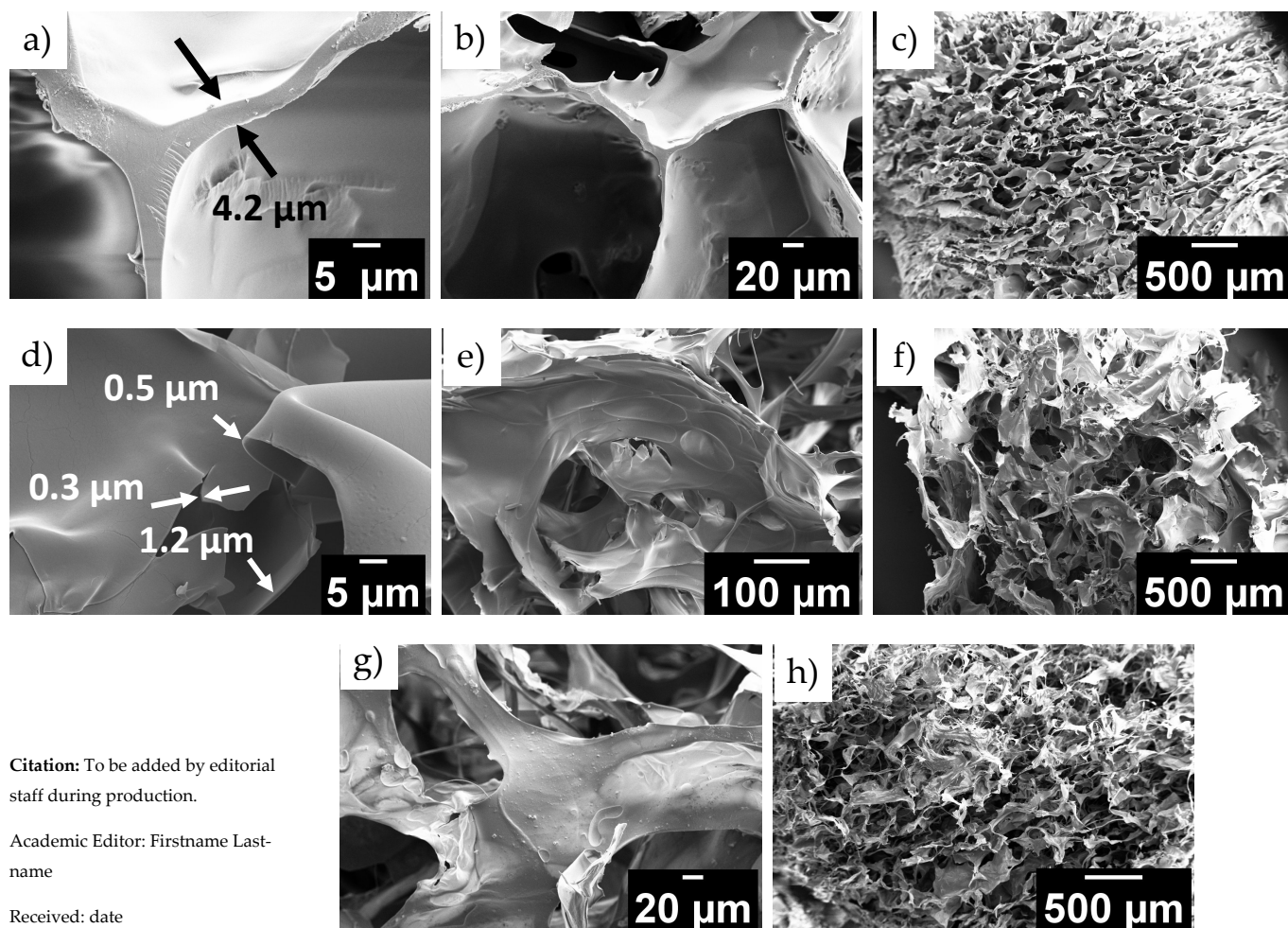
# Sulfonic cryogels as innovative materials for biotechnological applications: synthesis, modification and biological activity

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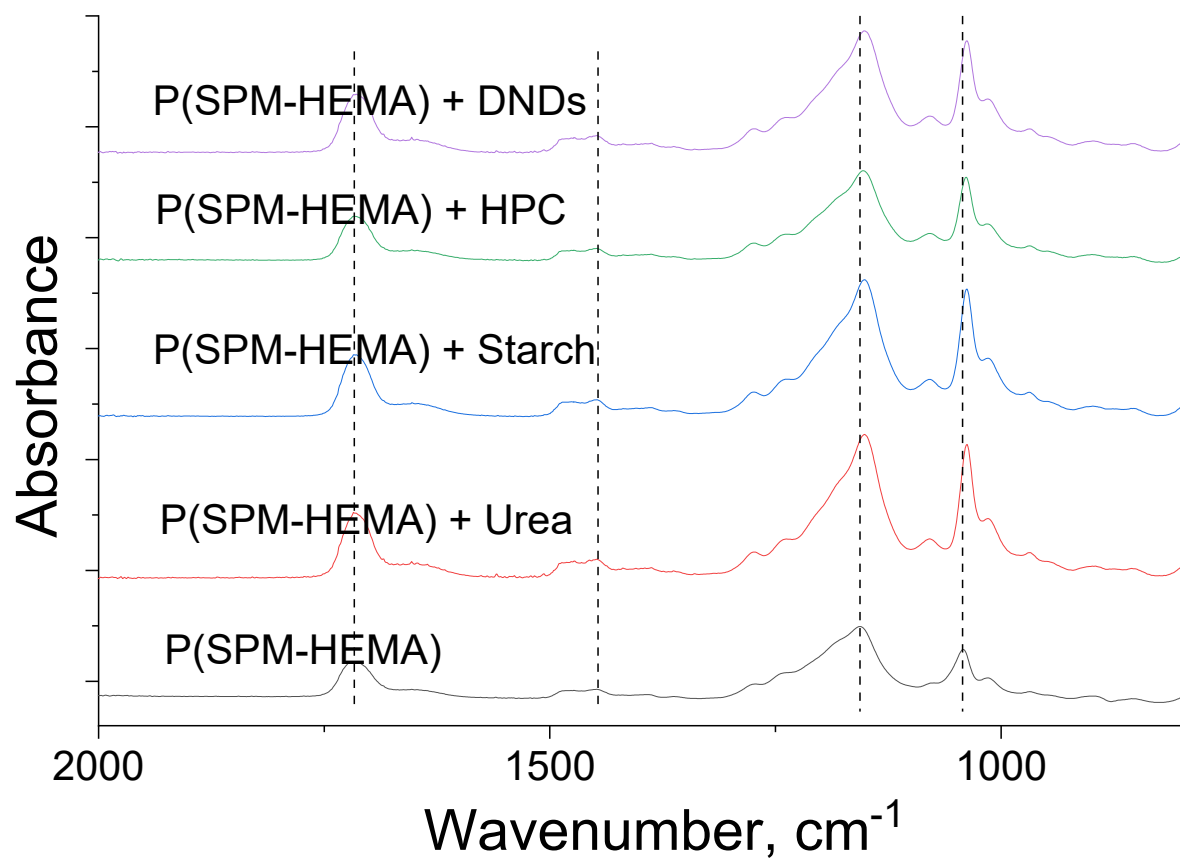
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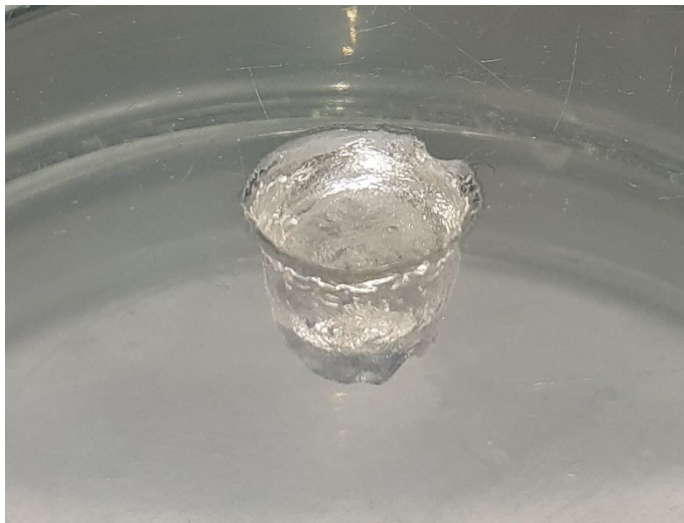
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**Figure S1.** SEM images of the cryogel 2 (concentration of monomers is 1 mol/L) before swelling (a, b) and after swelling (c, d); cryogel 5 (concentration of monomers is 5 mol/L) after swelling (e, f); cryogel with 3 wt.% of DNDs (g, h).

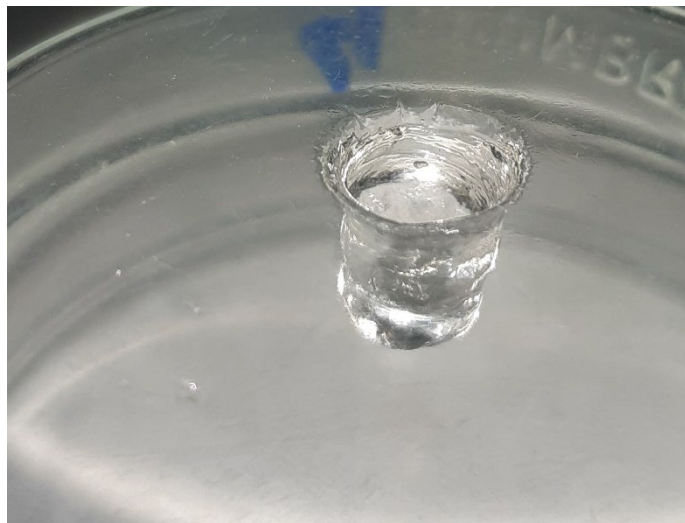


**Figure S2.** FTIR-spectra of P(SPM-HEMA) cryogels with additives.

(a)



(b)



**Figure S3.** The photos of P(SPM-HEMA) hydrogels: initial (a) and with addition of urea (3 wt%) (b)