Electronic Supplementary Material (ESI) for RSC Advances.

Electronic supplementary information:

Deep eutectic solvent-assisted fabrication of bioinspired 3D carbon-calcium phosphate scaffolds for bone tissue engineering

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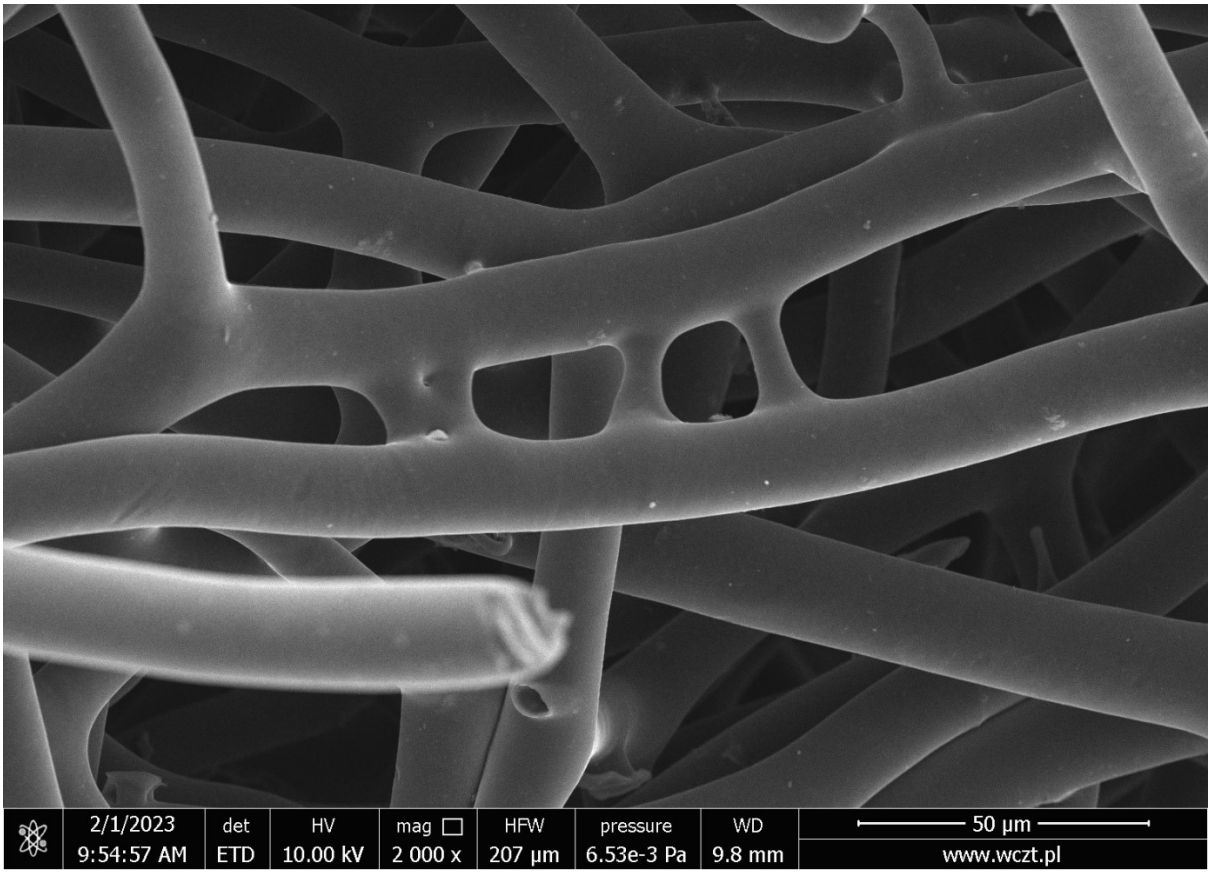

Figure S1. Scanning electron microscopy image of reference carbonized spongin.

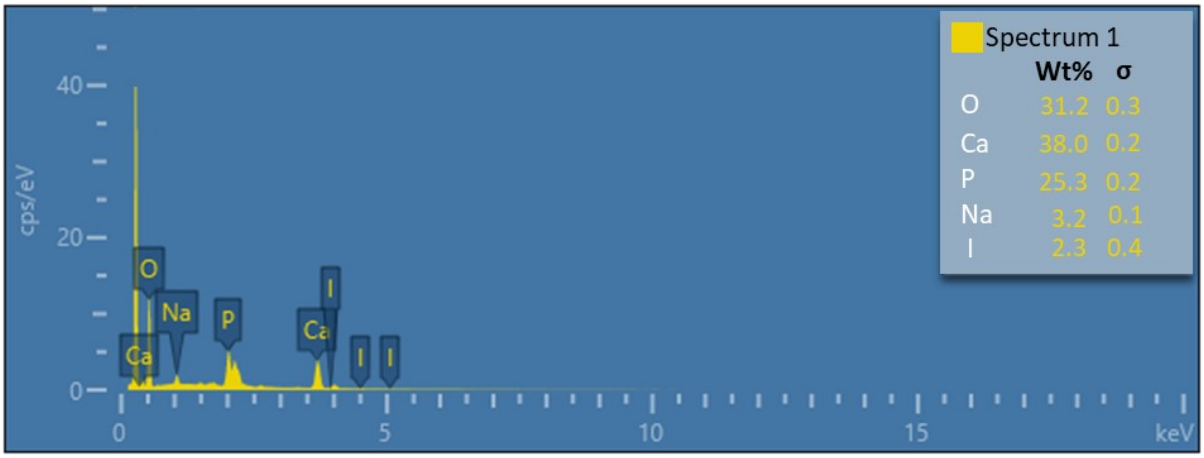

Figure S2. EDX analysis of elemental composition of deposited nanoparticles.

The monotonic compression test was carried out aiming for the quantifying compressive properties of the specimens. The test was carried out using the Q800 (TA Instruments, USA) Dynamic Mechanical Analysis (DMA) instrument. All the specimens were tested in the air at room temperature. Specimens were prepared with a square prism shape of width ca. 1 mm and thickness ca. 1 mm. In the case of the monotonic test, all specimens were preloaded to 0.01 N and compressed at a constant strain rate of 5%/minute. Compressive moduli as the ratio between compressive stress and strain in the linear portion of the stress-strain curve (at 20 % of total strain) were identified.

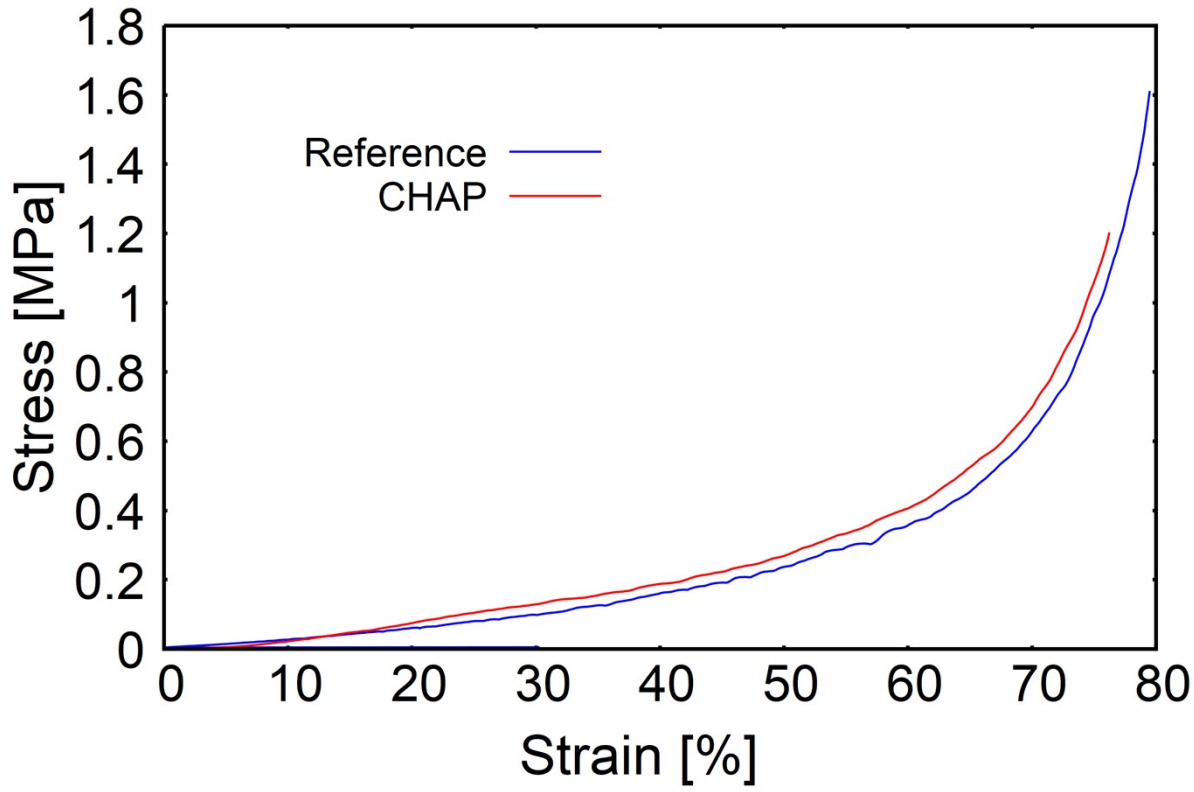

Figure S3. Strain-stress response of investigated spongious structures; (mean ± SD; n = 5)