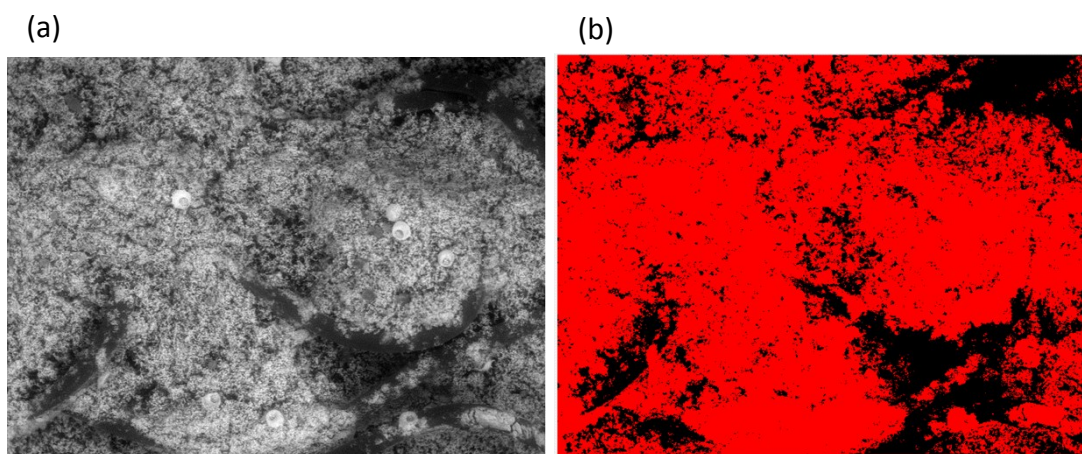


Supplementary Information



**Figure S1.** VPSEM images at  $\times 60$  magnification: (a) original VPSEM image of bio-cord substratum MK-PP50 (b) Ni Vision Assistant, Lab View 8.0, generated image highlighting biofilm area in red and porosity in black.