

# Bioinspired and Post-functionalized 3D-printed surfaces for water harvesting (Supplementary data)

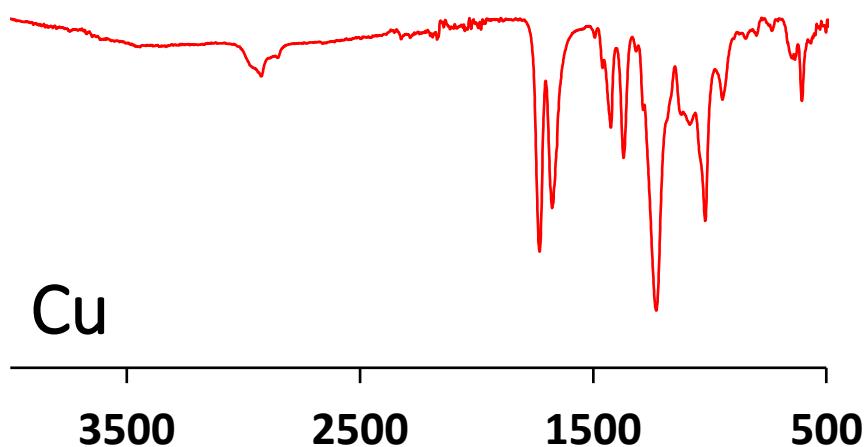
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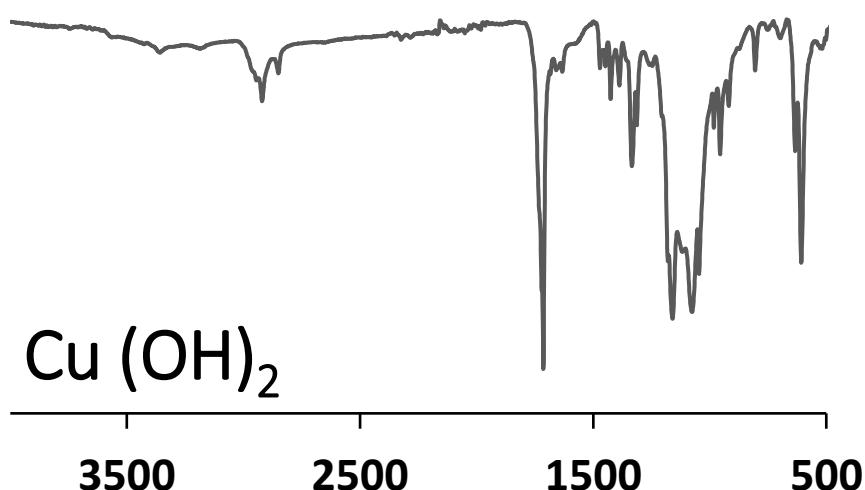
<sup>2</sup> Department of Chemical Engineering & Materials Science, Michigan State University, East Lansing, MI 48824, USA

<sup>3</sup> Institut de Physique de Nice (INPHYNI), Université Côte d'Azur, UMR 7010, 06000 Nice, France;

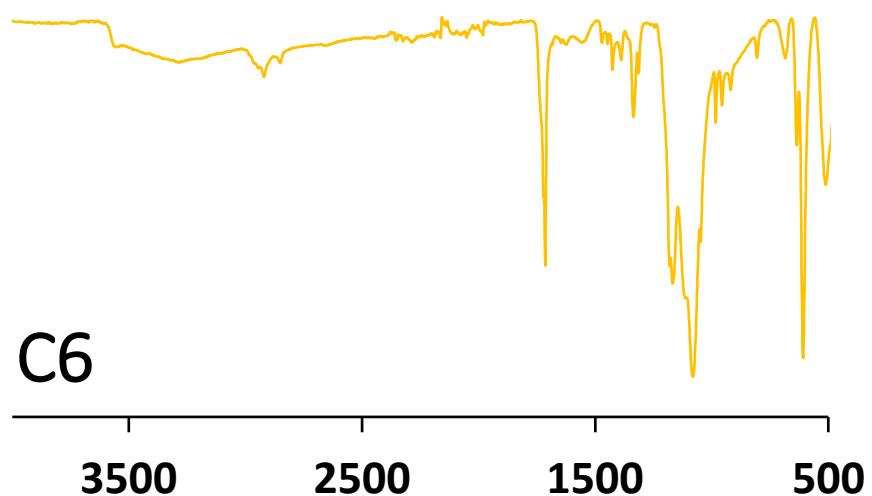
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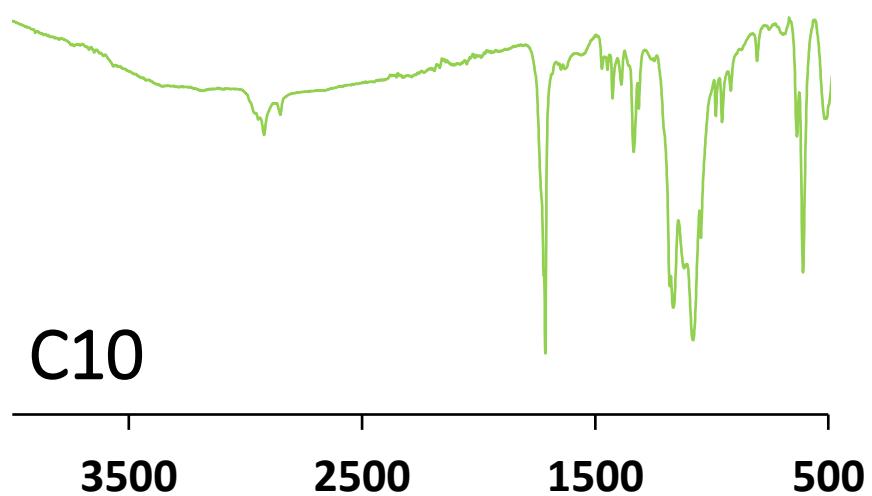
**Figure S1.** Example of IR for Cu surface.



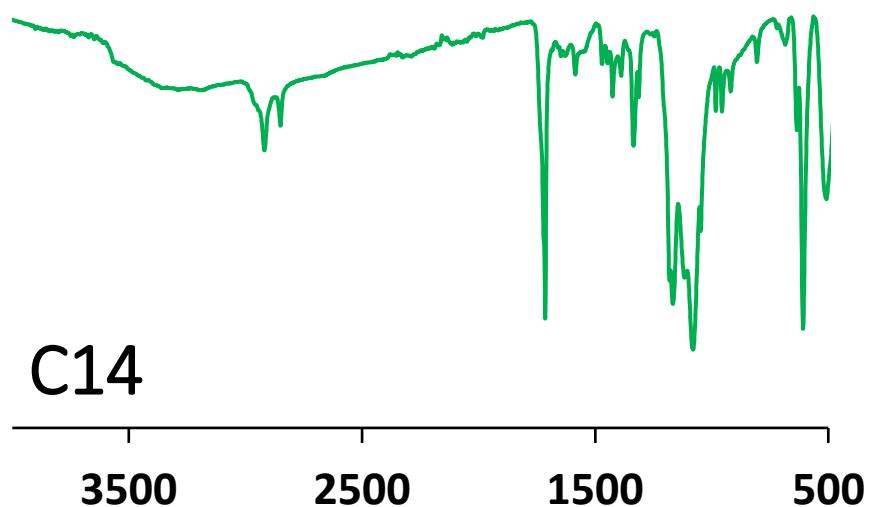
**Figure S2.** Example of IR for Cu(OH)₂ surface.



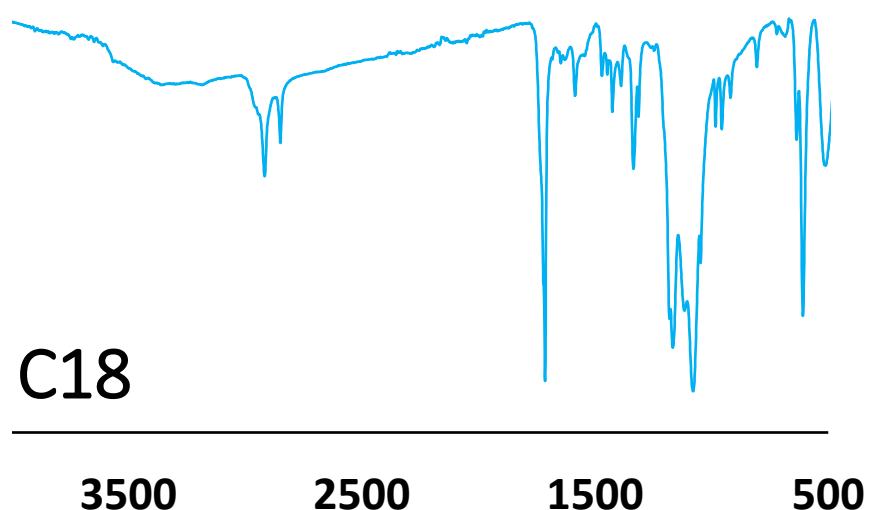
**Figure S3.** Example of IR for C6 surface.



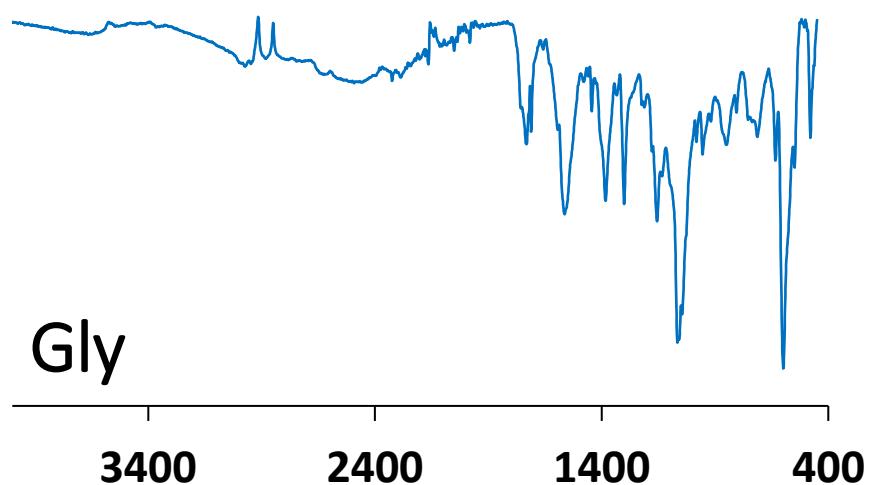
**Figure S4.** Example of IR for C10 surface.



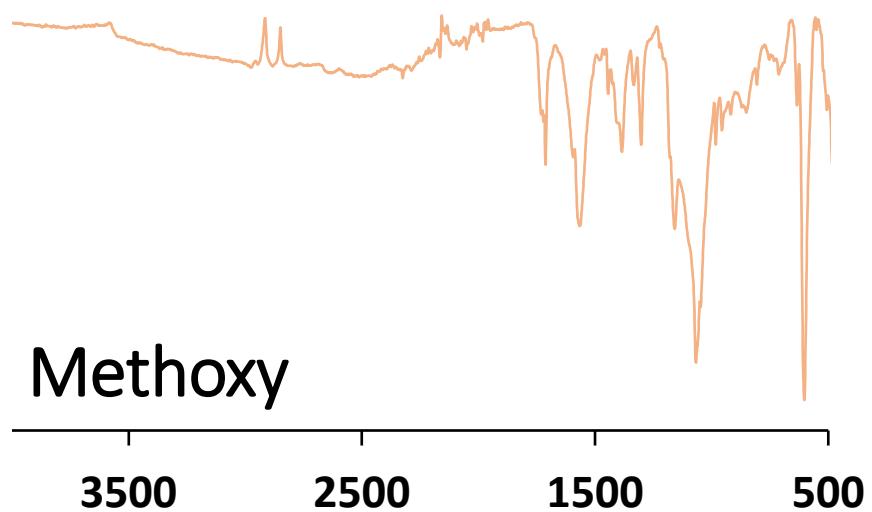
**Figure S5.** Example of IR for C14 surface.



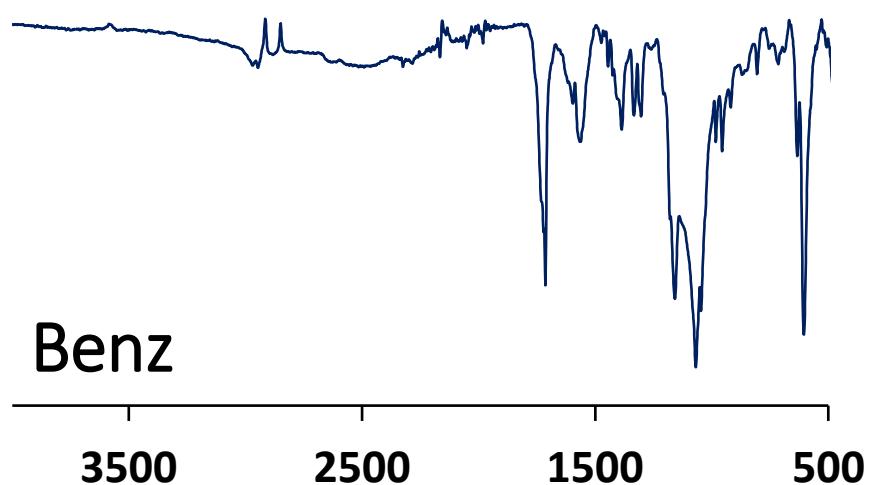
**Figure S6.** Example of IR for C18 surface.



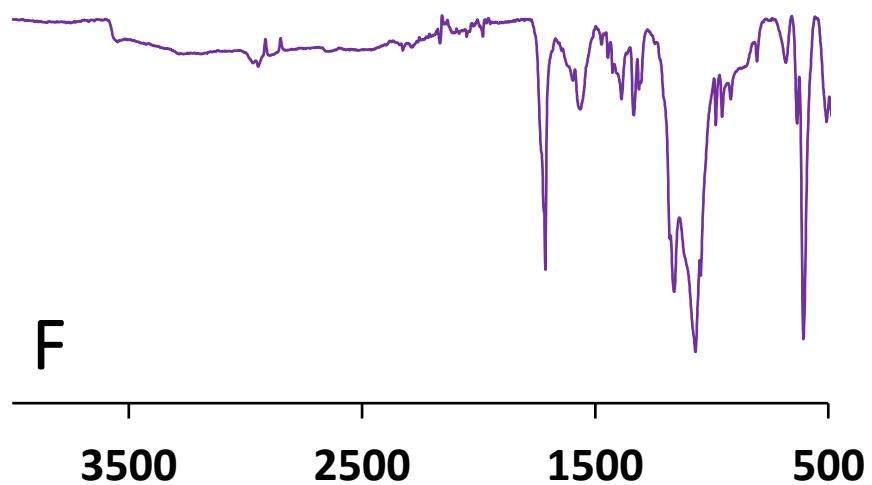
**Figure S7.** Example of IR for Gly surface.



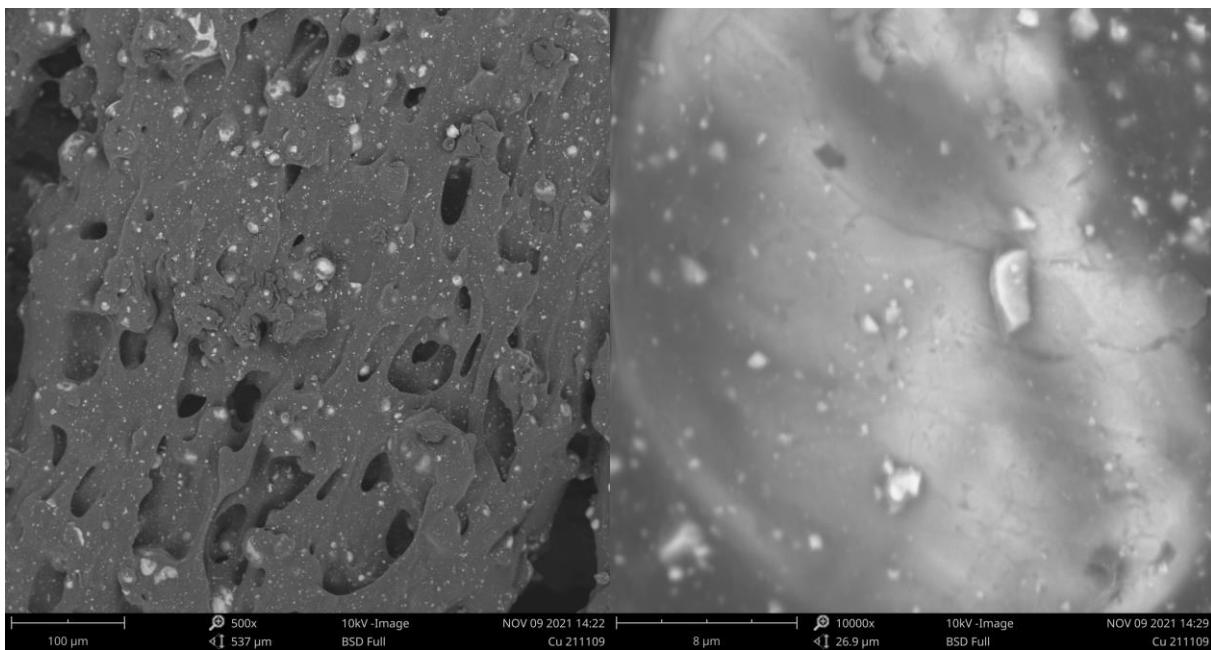
**Figure S8.** Example of IR for Methoxy surface.



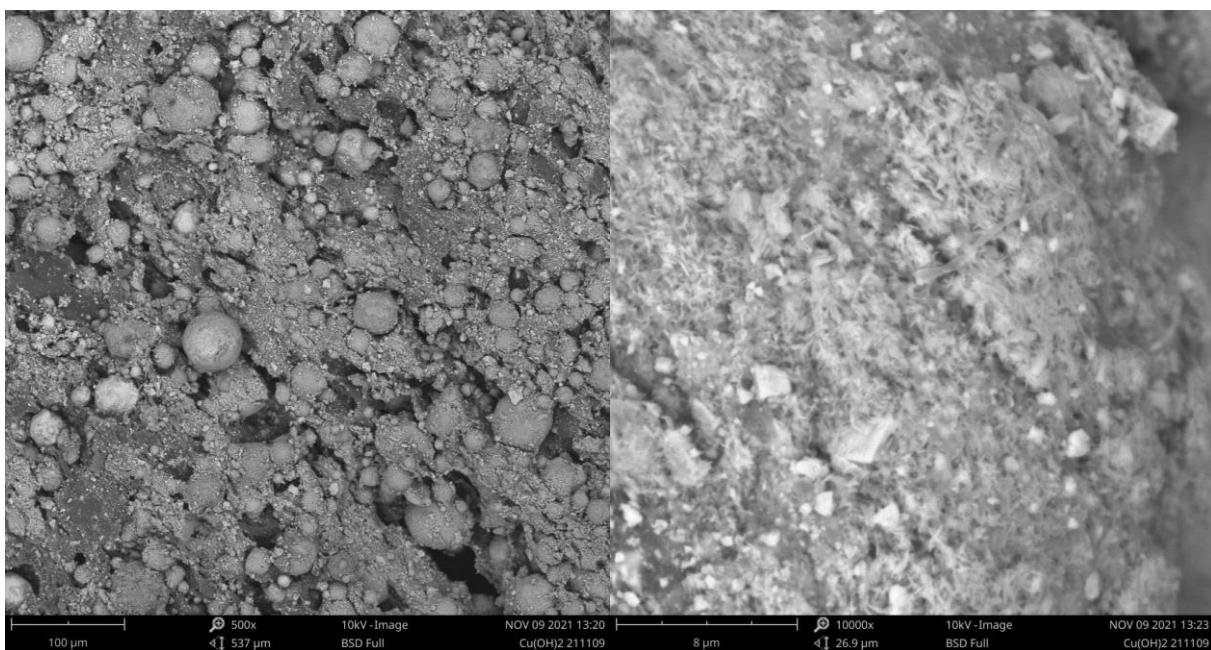
**Figure S9.** Example of IR for Benz surface.



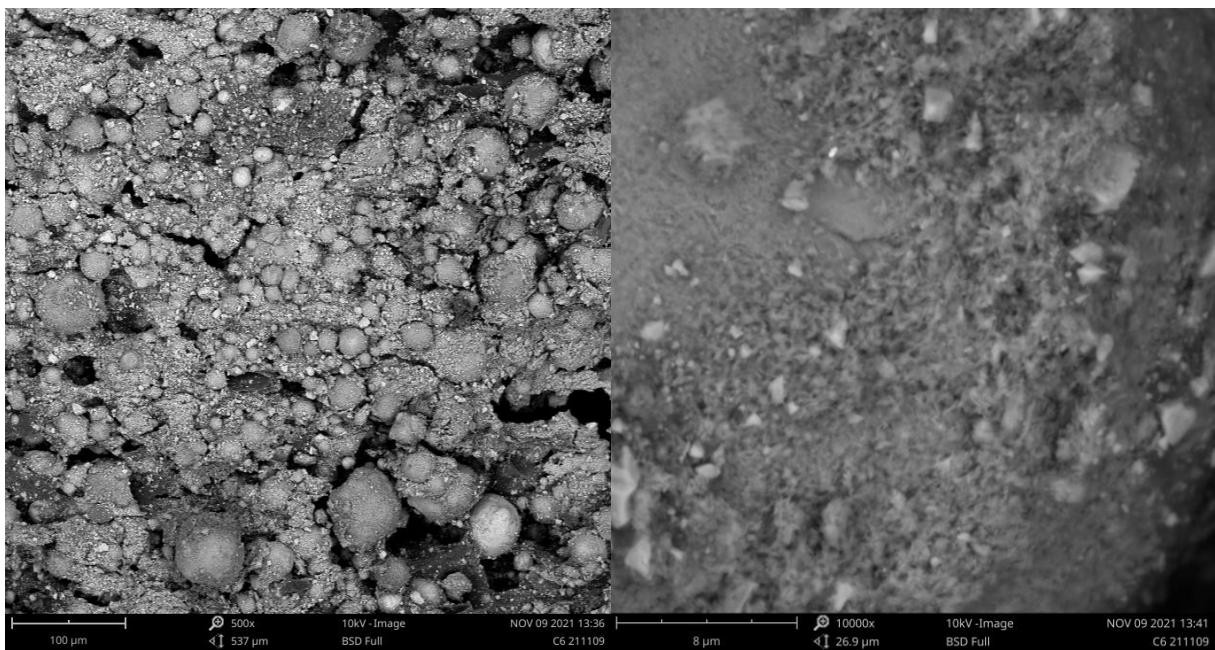
**Figure S10.** Example of IR for F surface.



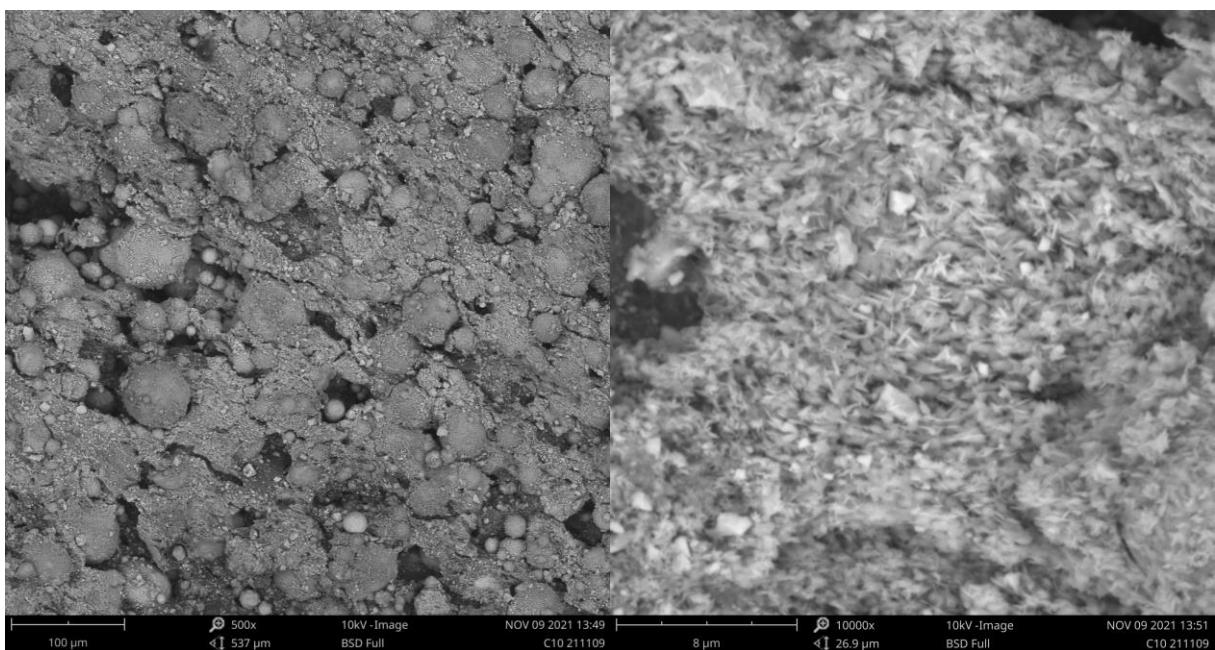
**Figure S11.** Example of SEM images for Cu surface. (Left: low magnification, Right: high magnification)



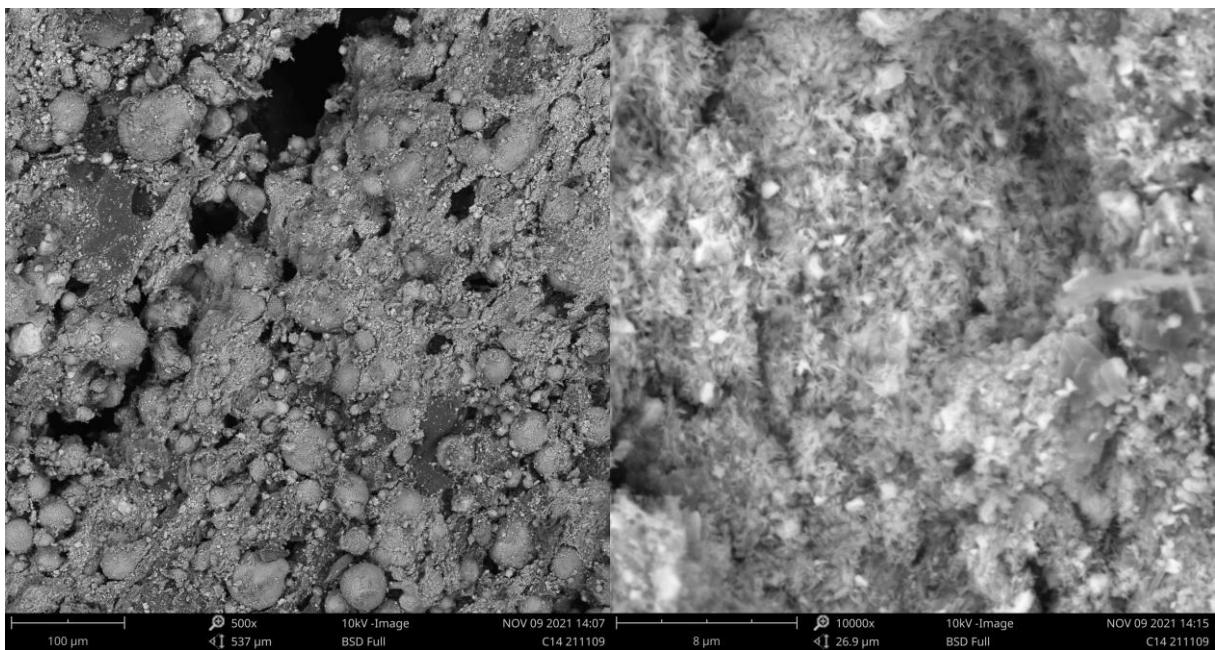
**Figure S12.** Example of SEM images for Cu(OH)<sub>2</sub> surface. (Left: low magnification, Right: high magnification)



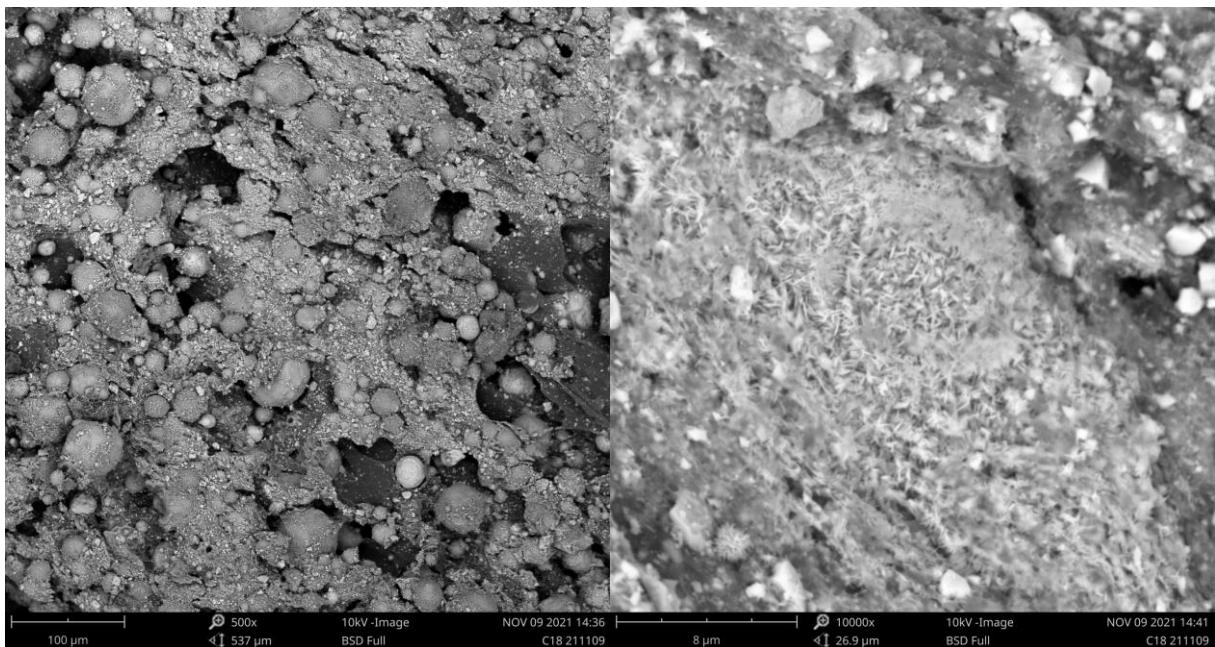
**Figure S13.** Example of SEM images for C6 surface. (Left: low magnification, Right: high magnification)



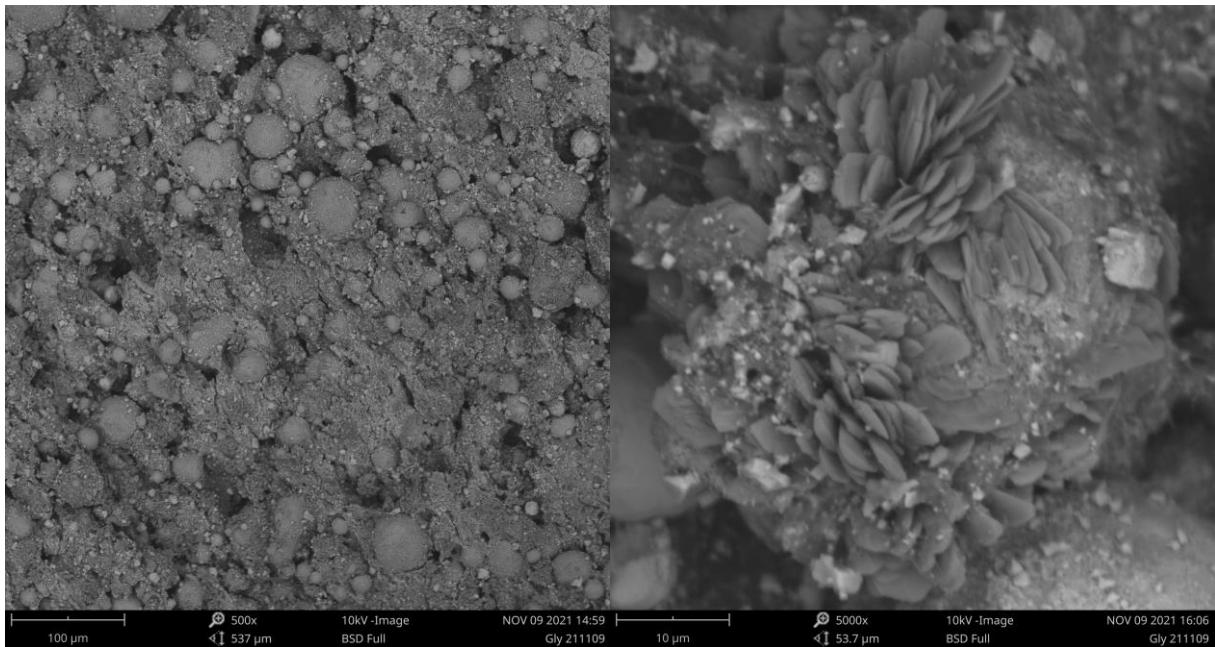
**Figure S14.** Example of SEM images for C10 surface. (Left: low magnification, Right: high magnification)



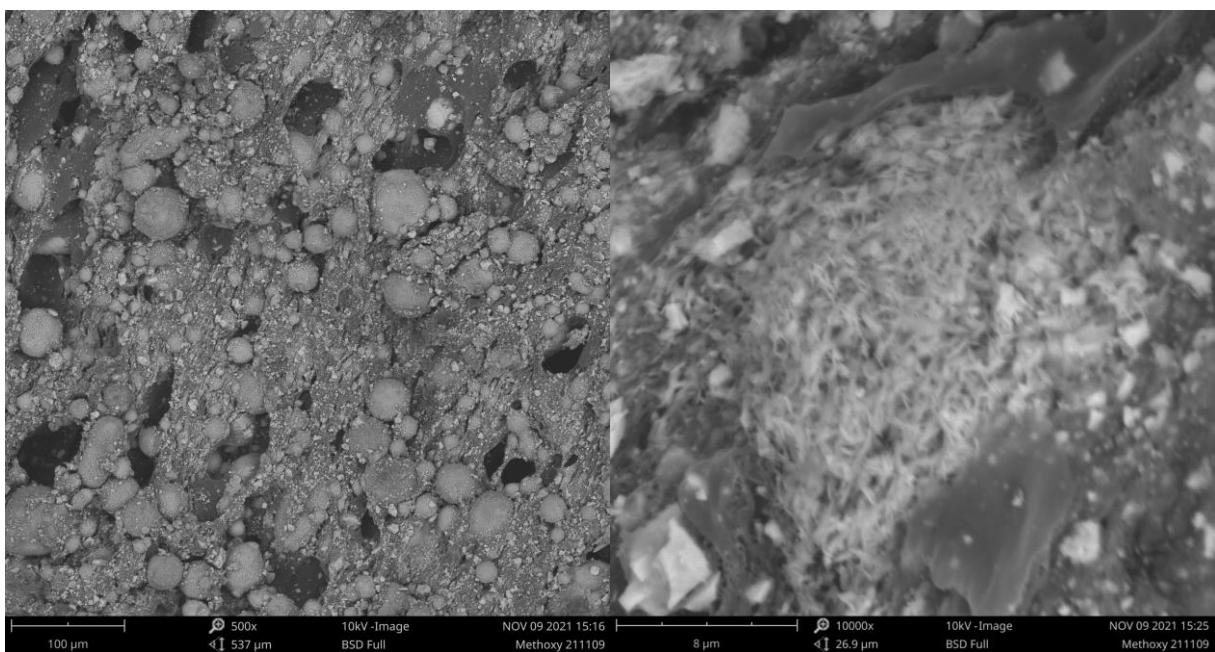
**Figure S15.** Example of SEM images for C14 surface. (Left: low magnification, Right: high magnification)



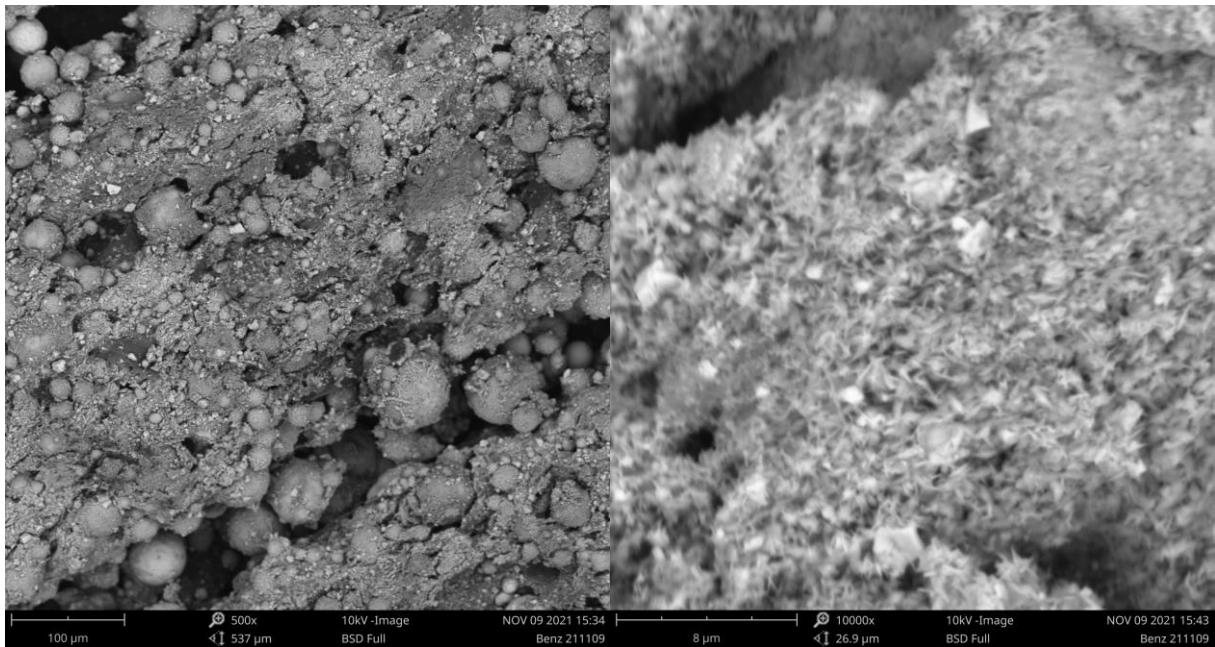
**Figure S16.** Example of SEM images for C18 surface. (Left: low magnification, Right: high magnification)



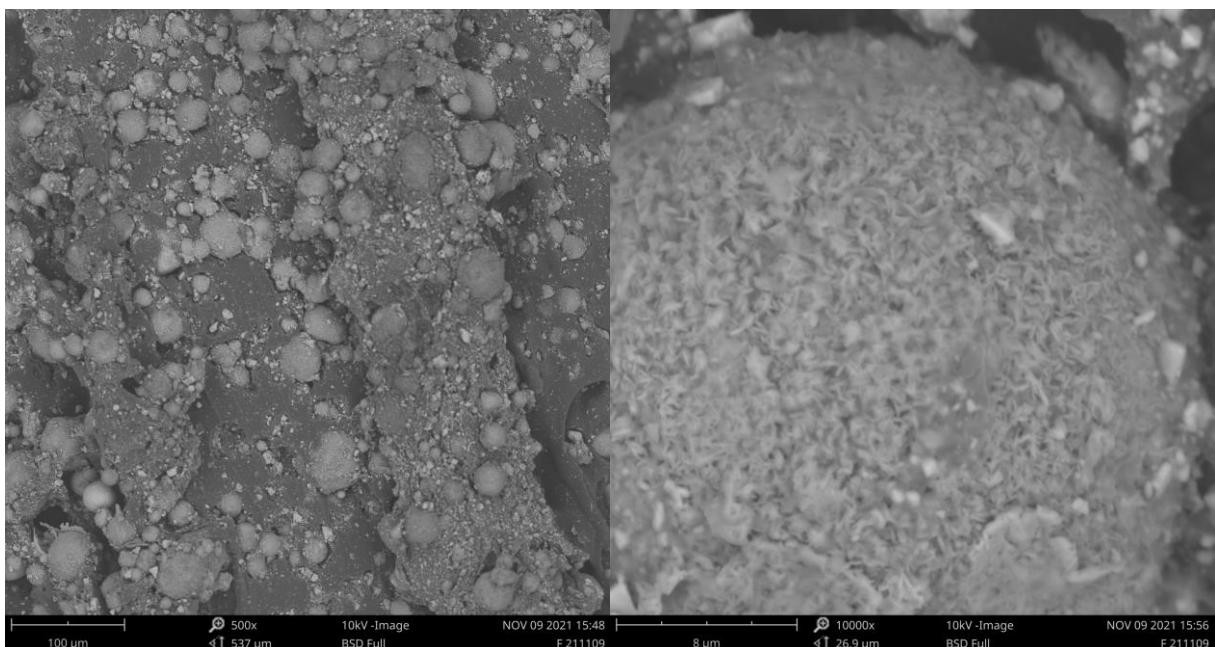
**Figure S17.** Example of SEM images for Gly surface. (Left: low magnification, Right: high magnification)



**Figure S18.** Example of SEM images for Methoxy surface. (Left: low magnification, Right: high magnification)



**Figure S19.** Example of SEM images for Benz surface.



**Figure S20.** Example of SEM images for F surface.