Supplementary Information

High Degradation of Trichloroethylene in Water by Nanostructured MeNPs@CALB Biohybrid Catalysts

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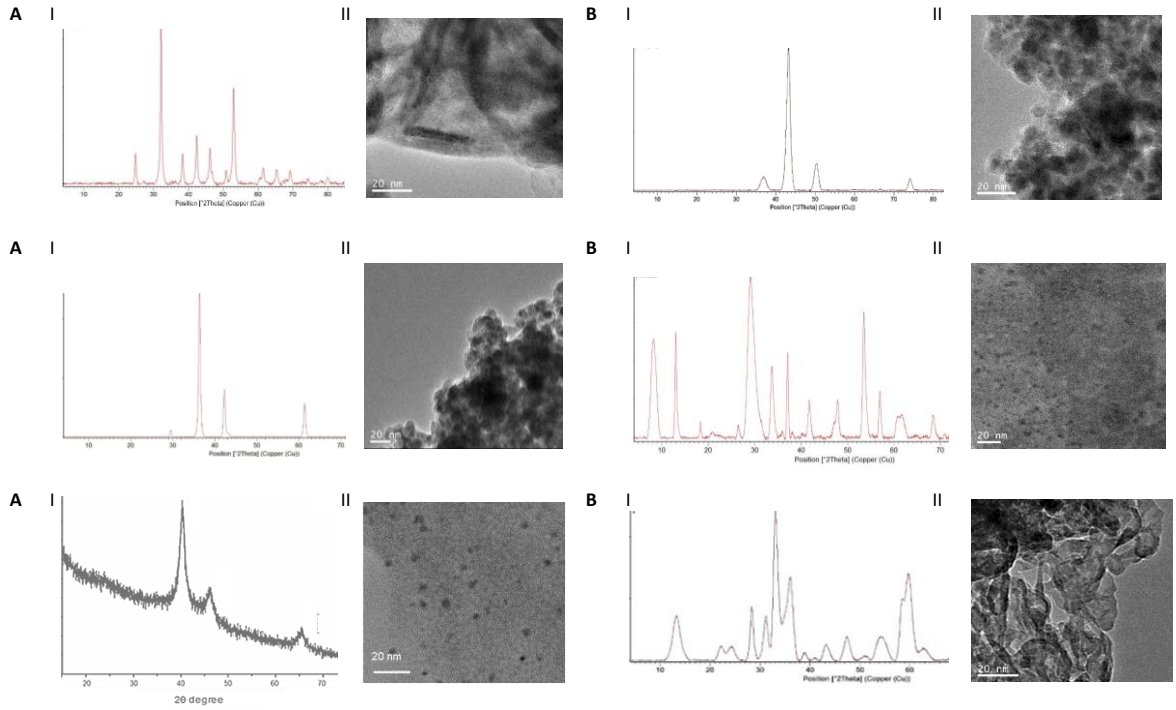

Figure S1. Characterization of the different heterogeneous metal bionanohybrids synthesized. A) **$FeCO_3$@CALB.** B) **Cu(0)@CALB**. C) **Cu_2O@CALB**. D) **$Cu_3(PO_4)_2$@CALB**. E) **Pd(0)@CALB**, F) **ZnO@CALB**; (I) XRD pattern; (II) TEM image.

Table S1. Content of metal (Me) in the different bionanohybrid determined by ICP-OES.

Bionanohybrid	*Amount of Me by ICP-OES (%)*[a]
$FeCO_3$@CALB	47
Pd(0)@CALB	23
Cu(0)@CALB	84
Cu_2O@CALB	60
$Cu_3(PO_4)_2$@CALB	32
$Cu_3(PO_4)_2$@CALB1	35
$Cu_3(PO_4)_2$@CALB2	22
$Cu_3(PO_4)_2$@CALB3	48
ZnO@CALB	36

[a]The measurement was performed of the solid material. 10 mg of the solid powder was treated with 5 mL of HCl (37% v/v) for digestion. Then, it was added with 5 mL of water, centrifuged and the clear solution analyzed by metal content.