

Figure S1. FTIR spectrum of the untreated dry fragments of wood samples.

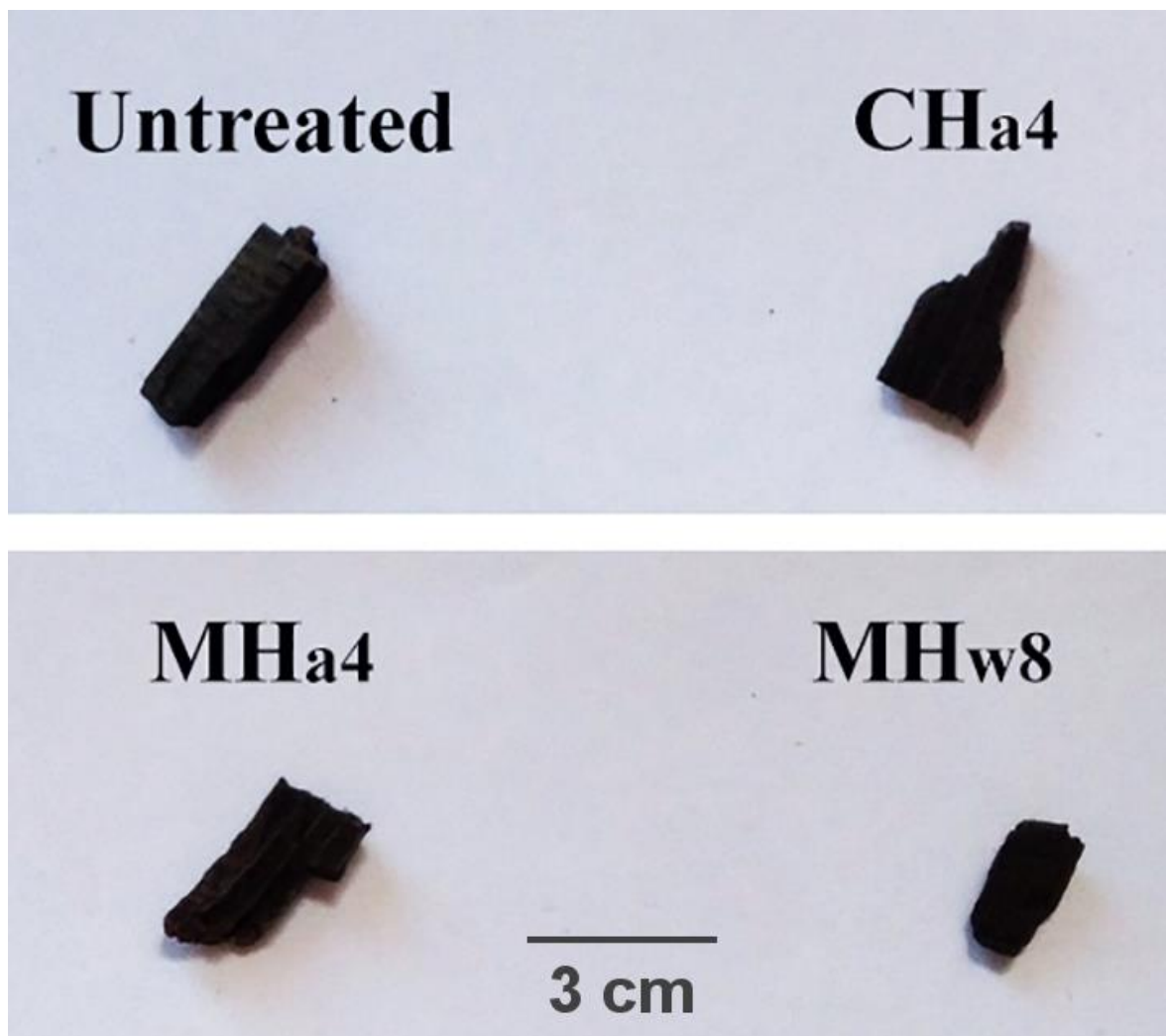


Figure S2. Visual inspections of the wood fragments both as received (untreated) and treated by means of CH_{a4}, MH_{a4} and MH_{w8} suspensions.

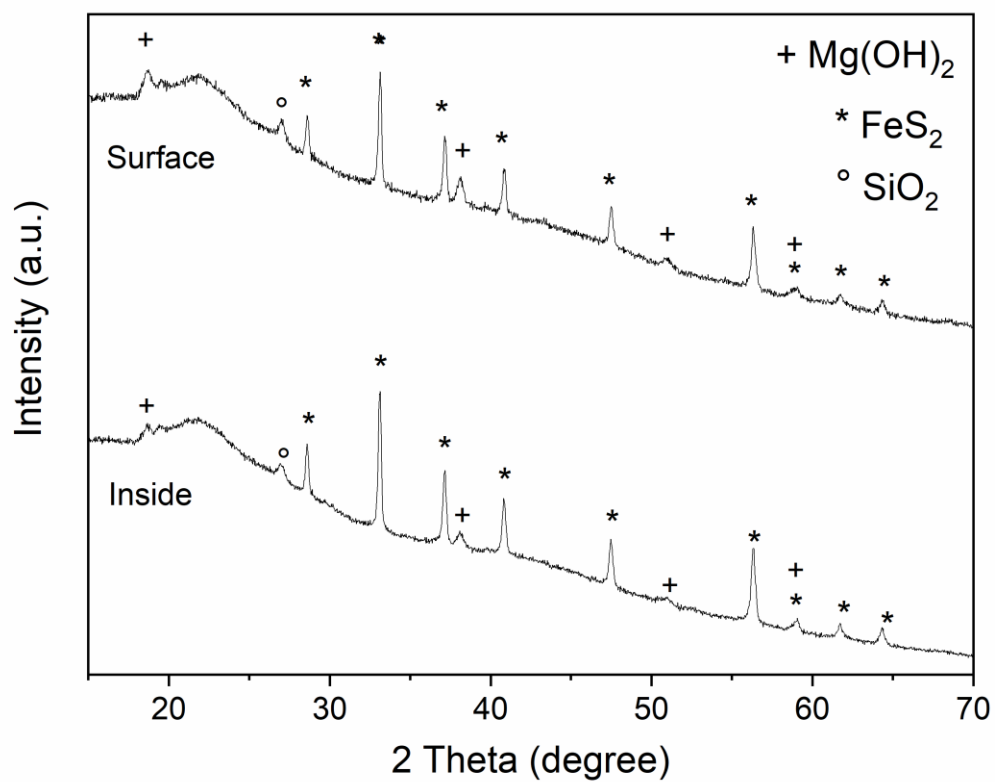


Figure S3. XRD patterns referred to the core and to the surface of the wooden samples treated by means of MH NPs.