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Supplementary Materials

In-situ formation of Ag nanoparticles in mesoporous TiO_2 films decorated on bamboo via self-sacrificing reduction to synthesize nanocomposites with efficient antifungal activity

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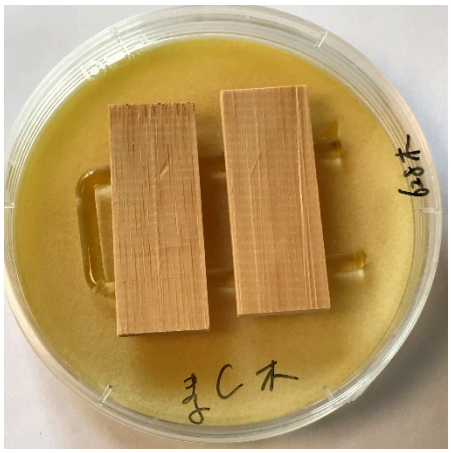

Figure S1. Method for the antifungal test.

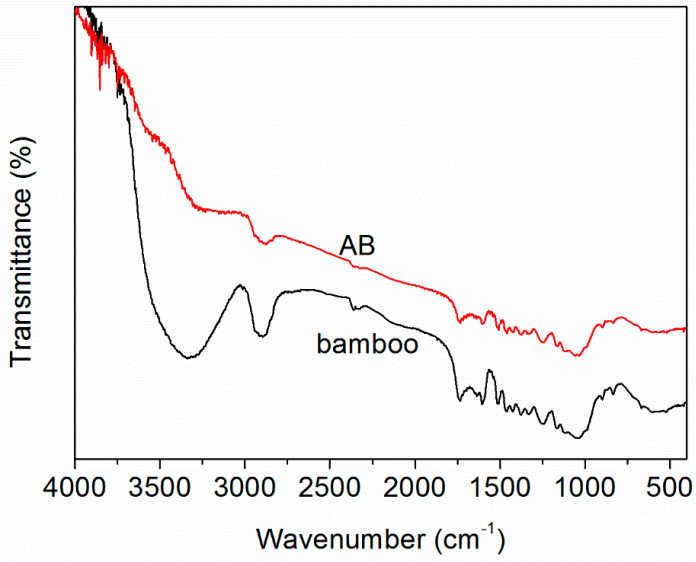

Figure S2. FTIR spectra of naked bamboo and AB samples.

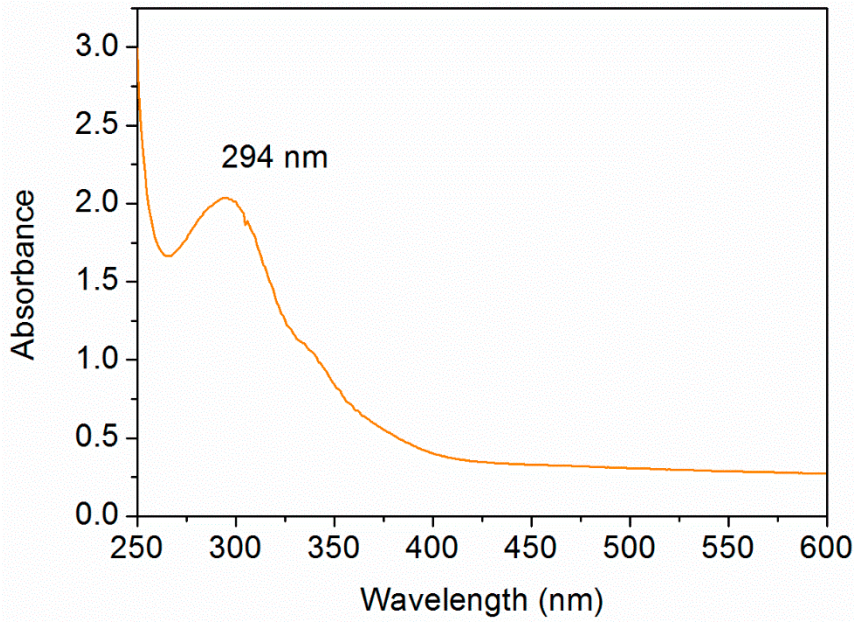

Figure S3. UV-vis spectrum of lignin in the reaction mixture.

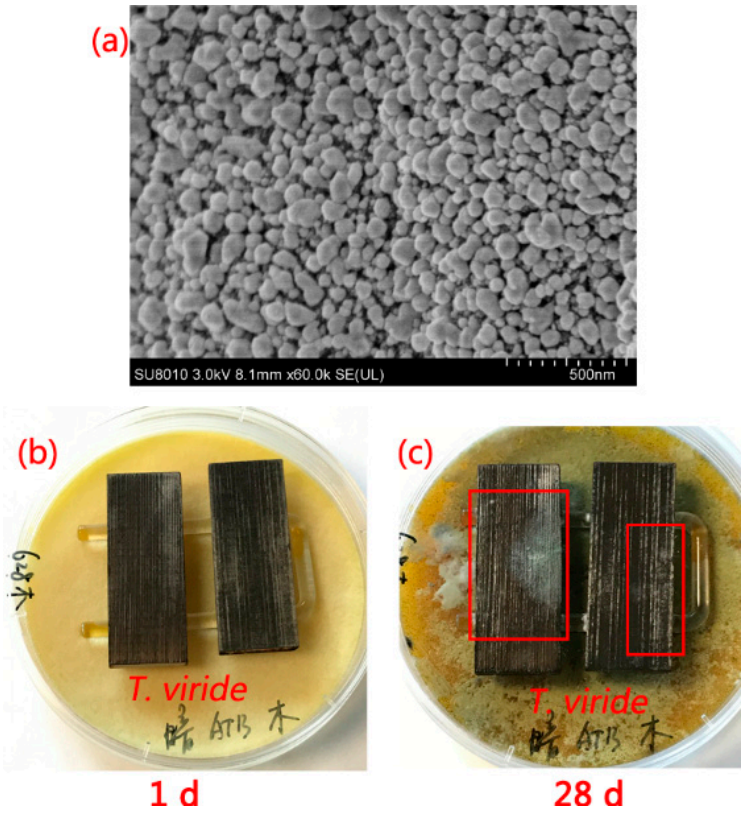

Figure 4. (**a**) SEM image of Ag/TiO_2/bamboo prepared with a silver mirror reaction. Antifungal property of Ag/TiO_2/bamboo to inhibit T. viride spores. (**b**) 1 day, (**c**) 28 days.

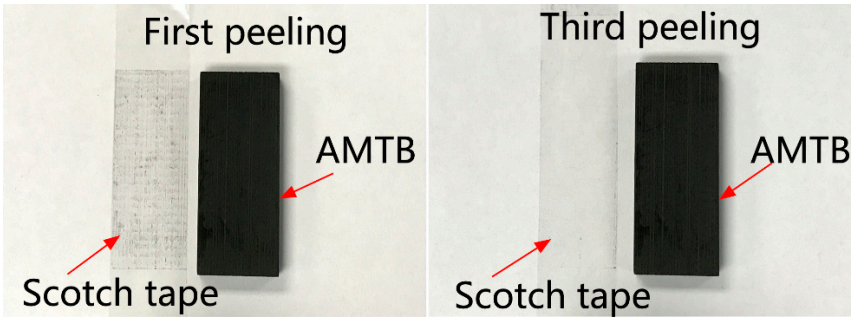

Figure S5. Optical images of AMTB sample after the first and third peeling tests.

Table S1. Summary of surface area and pore properties of AMTB sample.

Sample	S_{BET}/ m^2 g^{-1}	d_P/nm	V_P/cm^3 g^{-1}
MTB-4	65.4	2.5	0.04
AMTB	14.8	2.2	0.008