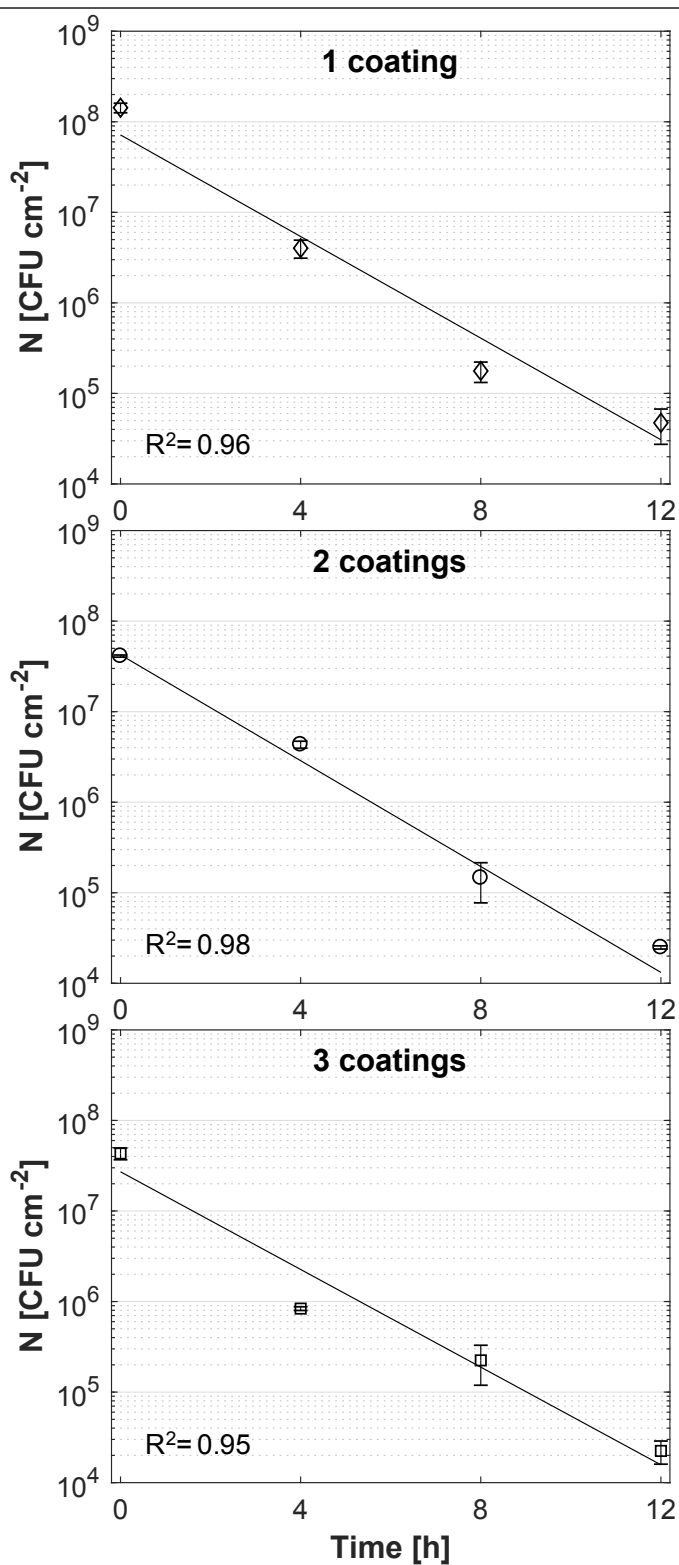
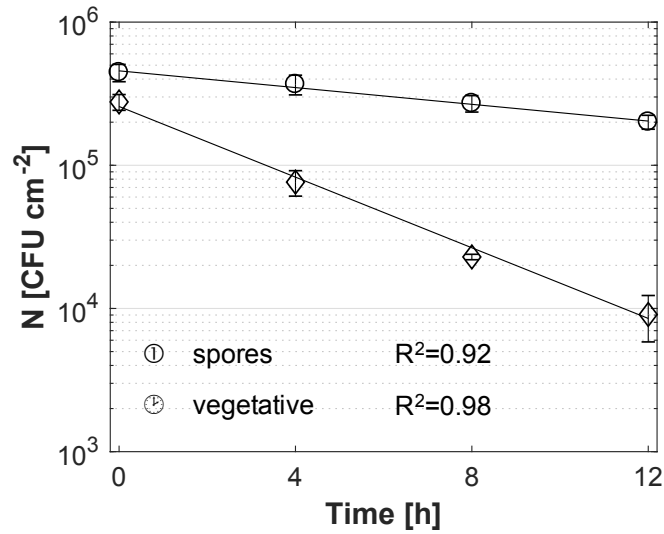


### Supplementary Information.

#### Photocatalytic inactivation of bioaerosols in a fixed-bed reactor with TiO<sub>2</sub>-coated glass rings



**Figure S1.** *B. subtilis* inactivation curves in the static reactor under 70% RH. Error bars represent 99% confidence interval.



**Figure S2.** *B. subtilis* inactivation curves in the fixed-bed reactor. Error bars represent 99% confidence interval.

**Table S1.** Control experiments of viability of bacterial spores over glass rings.

Experimental conditions					
Under UV radiation			Absence of UV radiation		
over uncoated rings		over TiO <sub>2</sub> coated rings	over uncoated rings		
Time [h]	N [CFU cm <sup>-2</sup> ]	Time [h]	N [CFU cm <sup>-2</sup> ]	Time [h]	N [CFU cm <sup>-2</sup> ]
0	(1.5 ± 0.5) × 10 <sup>5</sup>	0	(1.5 ± 0.5) × 10 <sup>5</sup>	0	(1.5 ± 0.5) × 10 <sup>5</sup>
8	(3.1 ± 0.7) × 10 <sup>5</sup>	24	(2.4 ± 0.5) × 10 <sup>5</sup>	24	(1.2 ± 0.4) × 10 <sup>5</sup>