Antimicrobial Surfaces: Stainless Steel Functionalized with the Essential Oil Component Vanillin

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1. Microbiological analysis

Table S1. Data CFU of *S. epidermidis* viability after contact with functionalized (SS-SiO_2-Van) and non-functionalized (SS, SS-OH and SS-SiO_2) surfaces.

	CFU (1 h)	CFU (3 h)	CFU (6 h)	CFU (24 h)	CFU (48 h)	CFU (72 h)
SS	3.85	3.90	3.89	4.0	4.0	4.90
SS-OH	3.90	3.90	3.99	3.99	4.22	4.88
SS-SiO_2	3.89	3.90	3.90	4	4.20	4.90
SS-SiO_2-Van	3.19	2.66	2.34	0	0	0

Table S2. Data CFU of antimicrobial effect of reused SS-SiO_2-Van surfaces against *S. epidermidis*.

	Controls	SS-SiO_2-Van	Controls	SS-SiO_2-Van	Controls	SS-SiO_2-Van
	CFU (24h)		CFU (48 h)		CFU (72 h)	
I Test	3.85	0	4.10	0	4.60	0
II Test	3.88	0	3.99	0	4.45	0
III Test	3.80	0.5	4.0	0	4.63	0
IV Test	3.84	1.7	4.0	1.3	4.50	1.60
V Test	3.86	2.3	3.99	1.9	4.50	2.22

Table S3. Data CFU of antimicrobial test to inhibit bacterial adhesion of functionalized (SS-SiO_2-Van) and non-functionalized (Controls) surfaces against *S. epidermidis* after 24 h of treatment (I test and II Test).

	I Test (CFU)	II Test (CFU)
Controls	8.30	8.22
SS-SiO_2-Van	2.12	5.10

Table S4. Data CFU of antimicrobial test to inhibit bacterial adhesion of functionalized (SS-SiO_2-Van) and non-functionalized (SS, SS-OH and SS-SiO_2) surfaces against *S. epidermidis* after 24 h of treatment in semi-dry conditions.

	SS	SS-OH	SS-SiO_2	SS-SiO_2-Van
CFU (24 h)	3.89	3.88	4.00	0