

Supplementary Materials

Distinctive Effects of Surface Roughness and Ions Release on the Bacterial Adhesion and Inactivation of Textured Copper Oxide Surfaces

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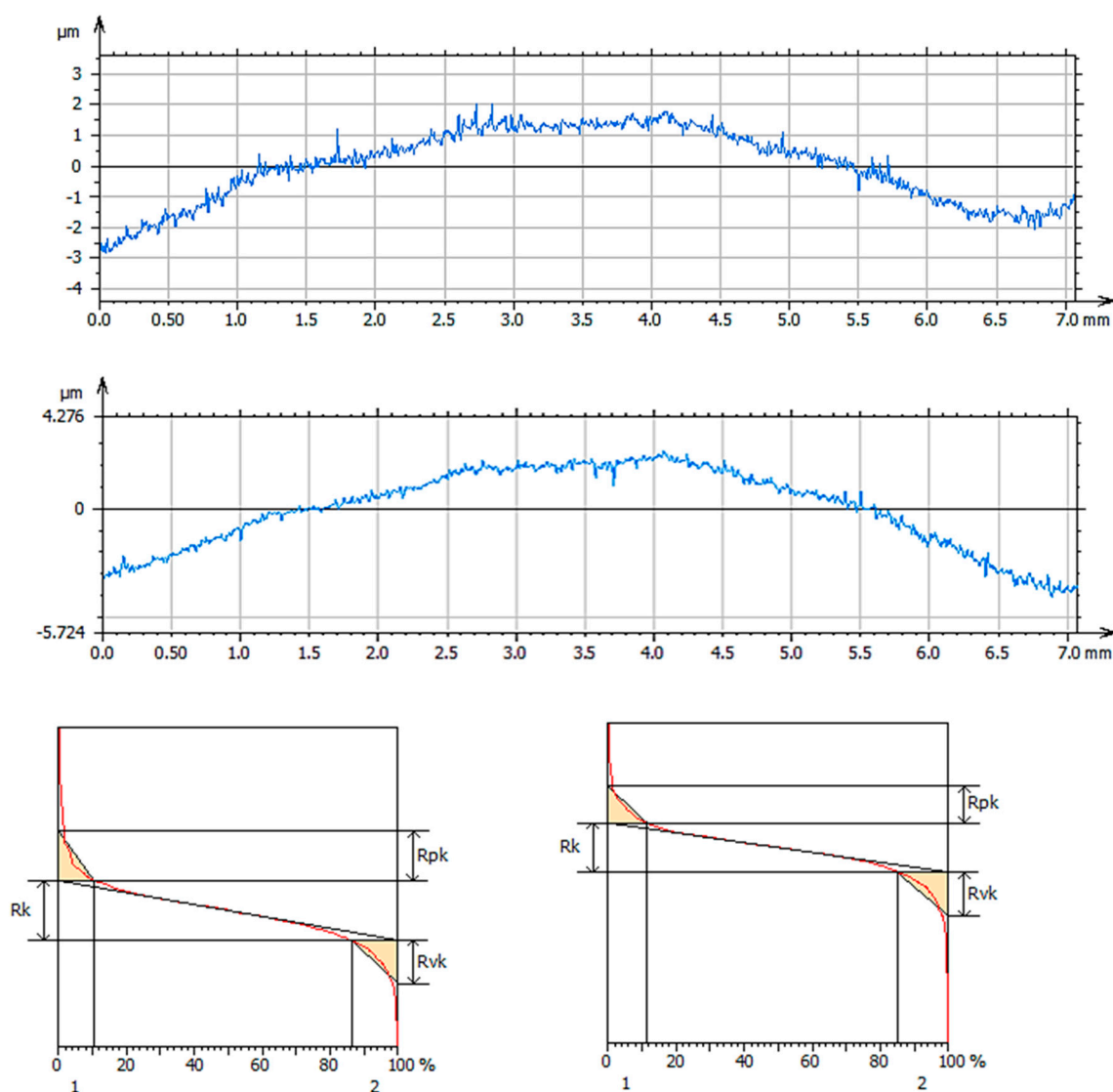
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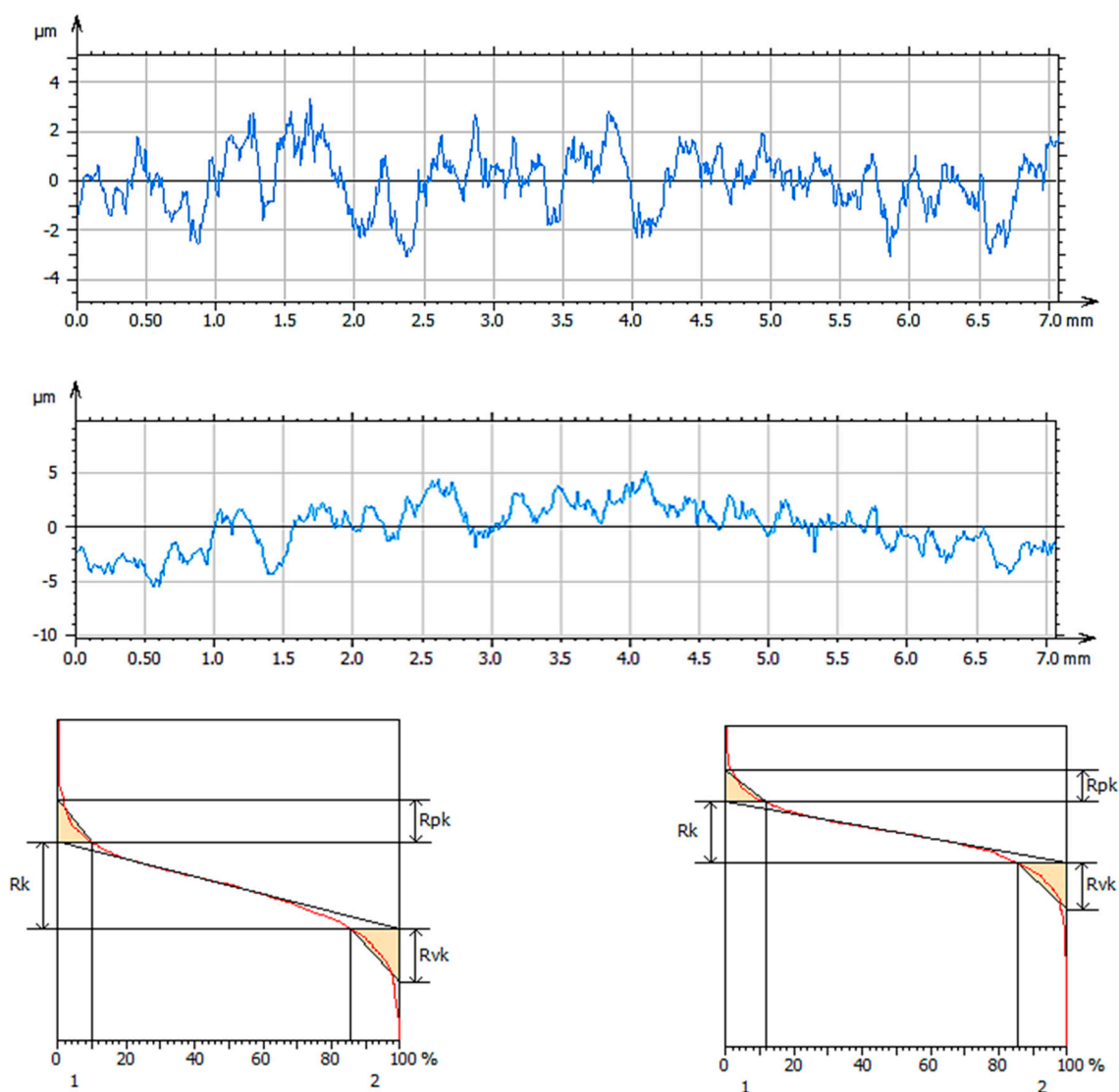
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Rk	0.2209	μm
Rpk	0.1845	μm
Rvk	0.1609	μm
MR1	10.35	%
MR2	86.30	%
A1	9.548	$\mu\text{m}^2/\text{mm}$
A2	11.02	$\mu\text{m}^2/\text{mm}$

Rk	0.1989	μm
Rpk	0.1469	μm
Rvk	0.1774	μm
MR1	11.44	%
MR2	84.90	%
A1	8.405	$\mu\text{m}^2/\text{mm}$
A2	13.40	$\mu\text{m}^2/\text{mm}$

Figure S1. Analysis of surface roughness of polished reference sample.



Rk	0.5504	μm
Rpk	0.2649	μm
Rvk	0.3379	μm
MR1	9.832	%
MR2	85.69	%
A1	13.02	$\mu\text{m}^2/\text{mm}$
A2	24.17	$\mu\text{m}^2/\text{mm}$

Rk	0.5413	μm
Rpk	0.2775	μm
Rvk	0.4141	μm
MR1	11.78	%
MR2	85.28	%
A1	16.34	$\mu\text{m}^2/\text{mm}$
A2	30.48	$\mu\text{m}^2/\text{mm}$

Figure S2. Analysis of surface roughness of Low SMATed reference sample.

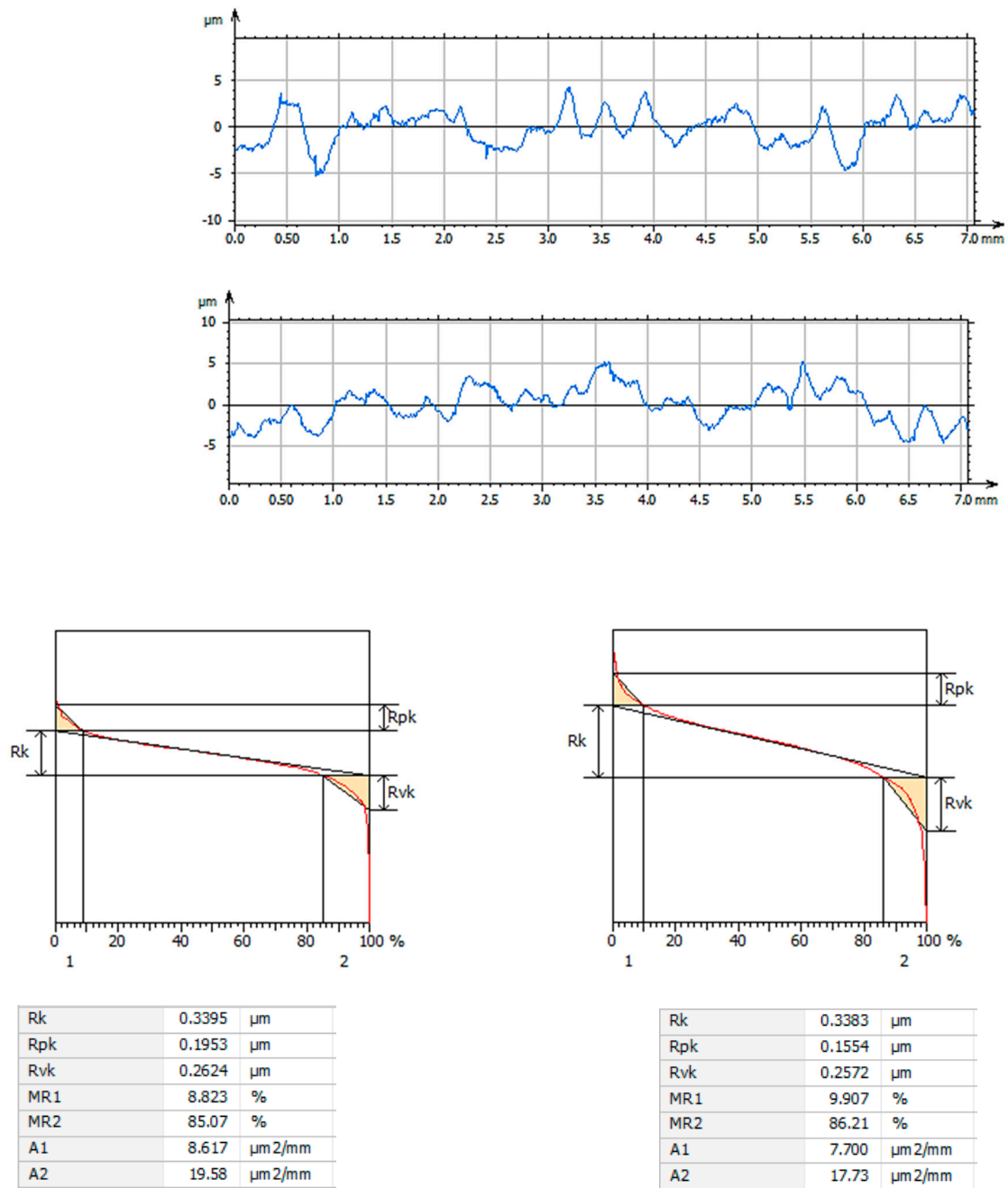
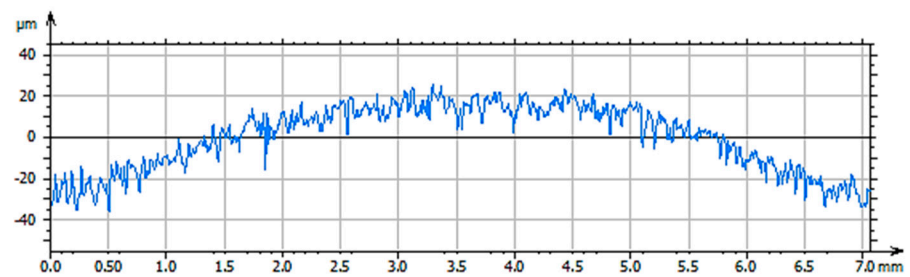


Figure S3. Analysis of surface roughness of High SMATed reference sample.



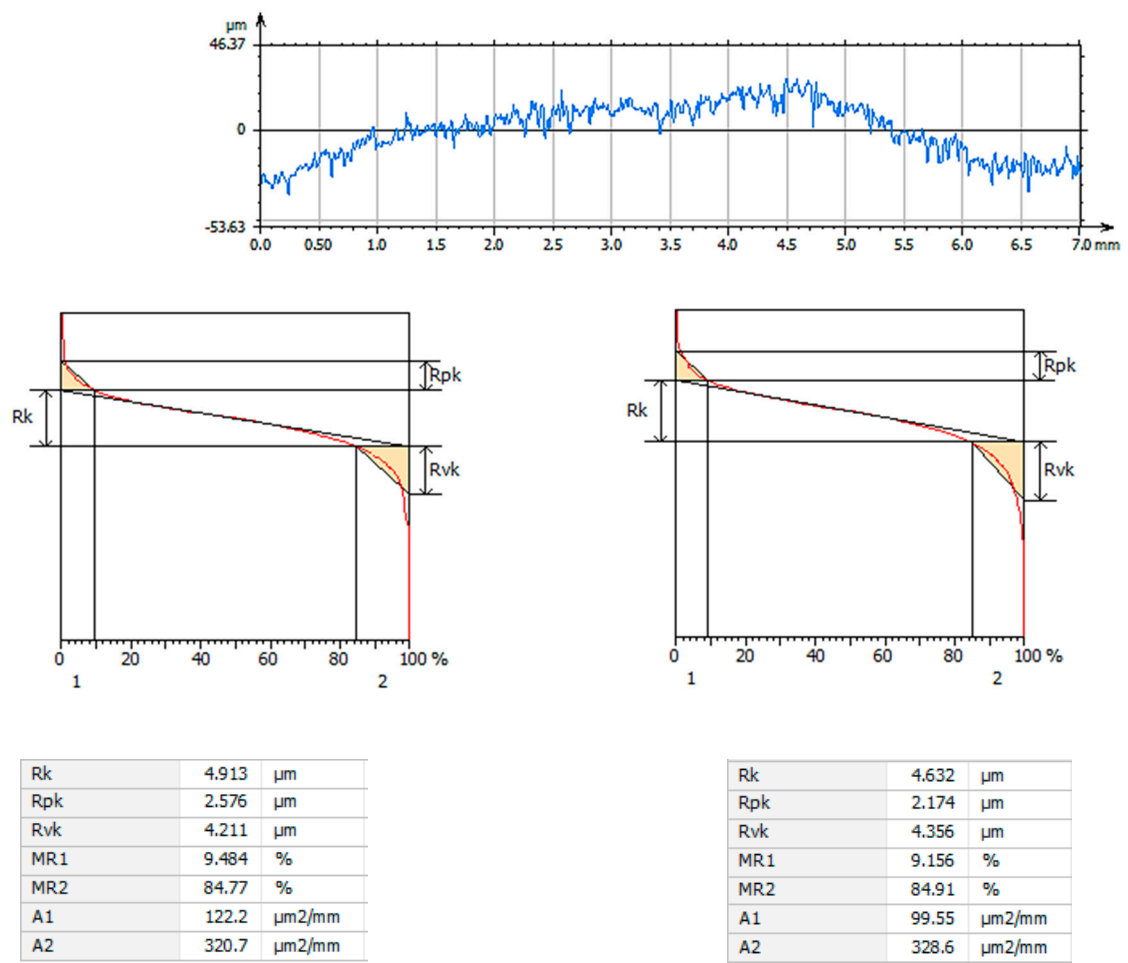


Figure S4. Analysis of surface roughness of sandblasted reference sample.