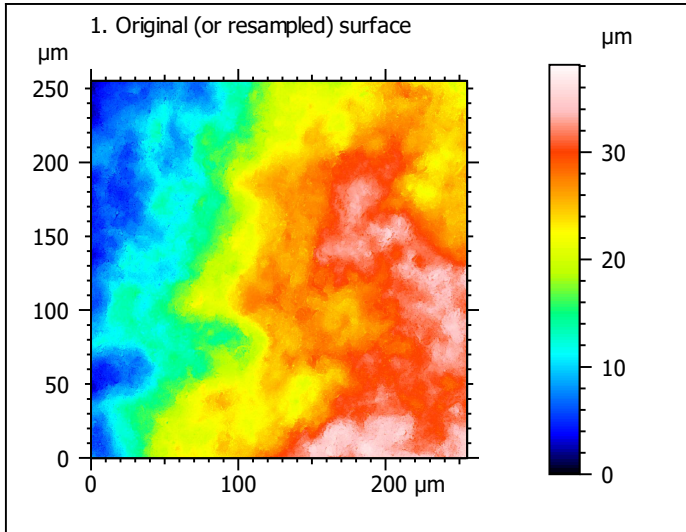


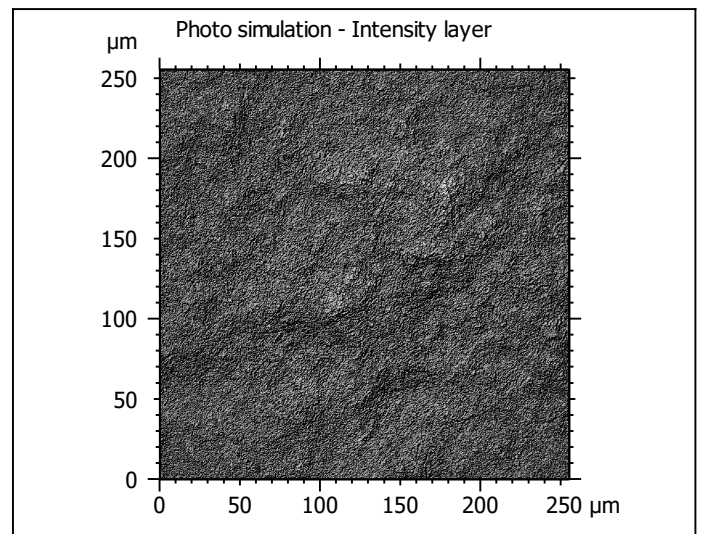
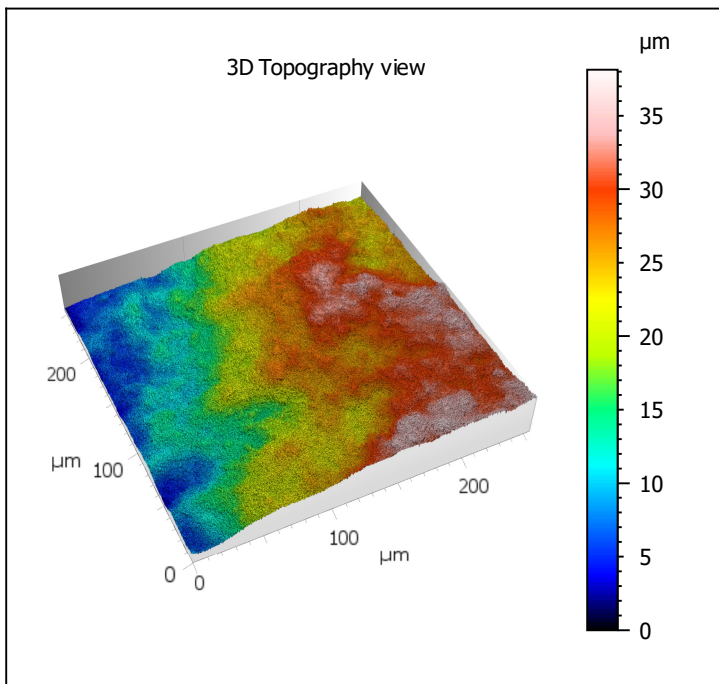
**Template - Processing analysis**

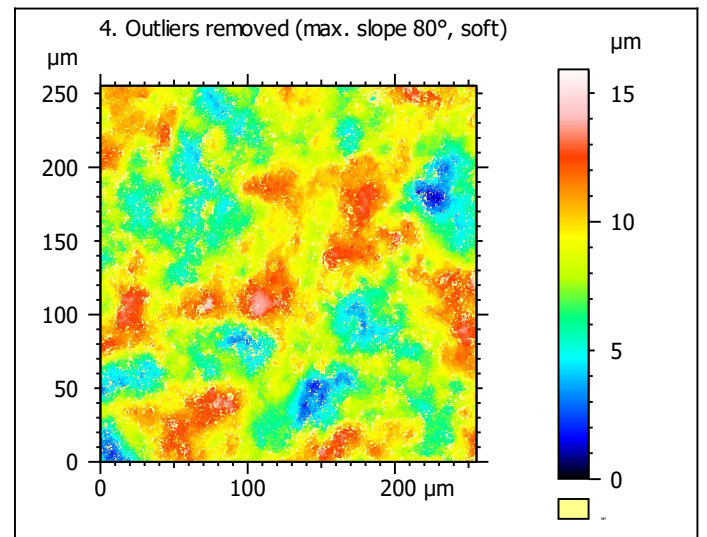
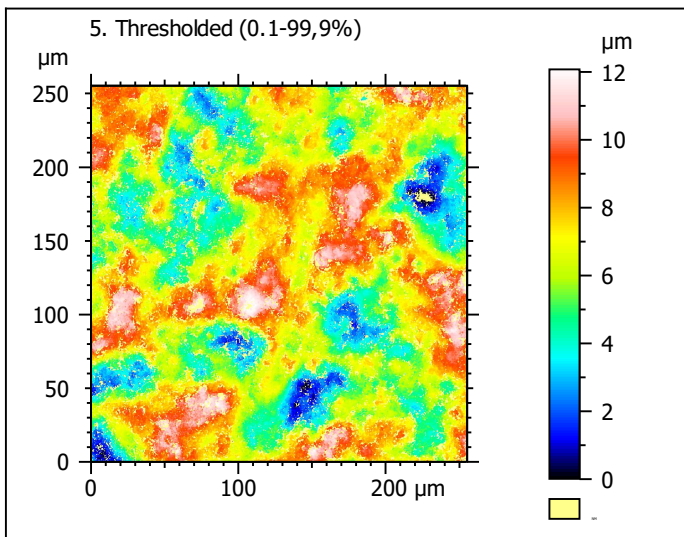
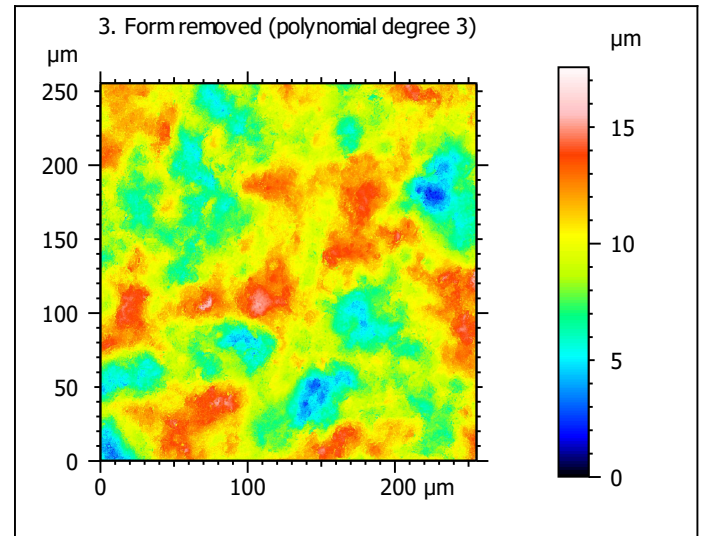
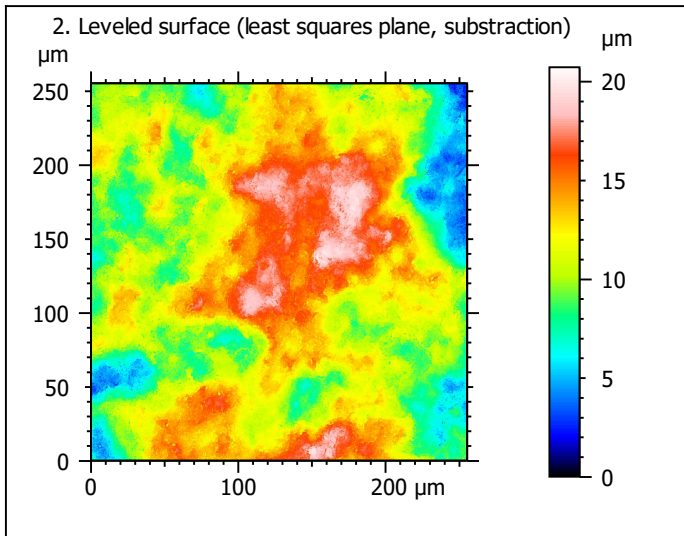
Template to process all surfaces acquired with the Zeiss LSM 800 with the 50x/0.75 objective.

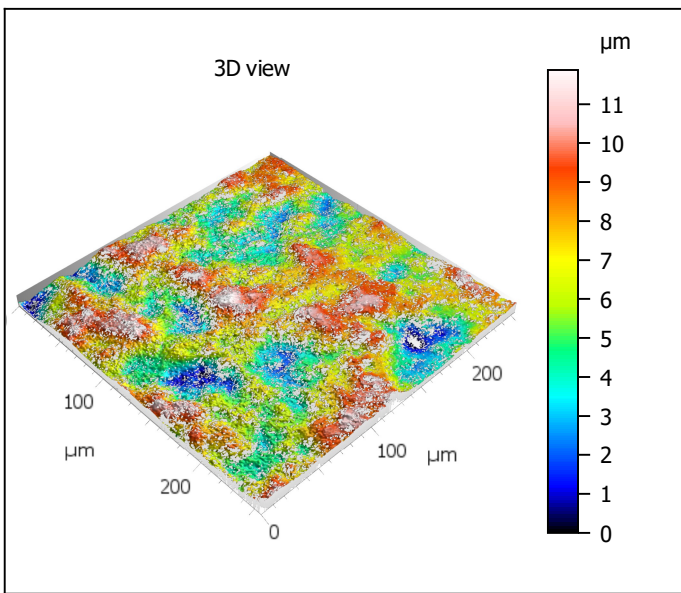
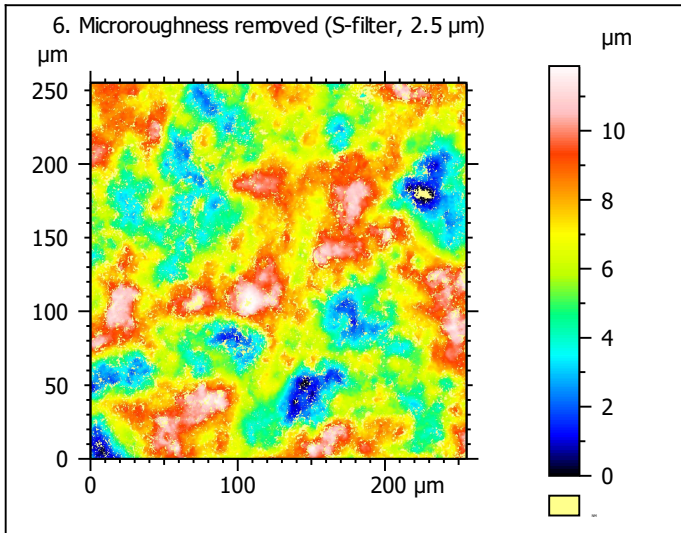
**Processing**



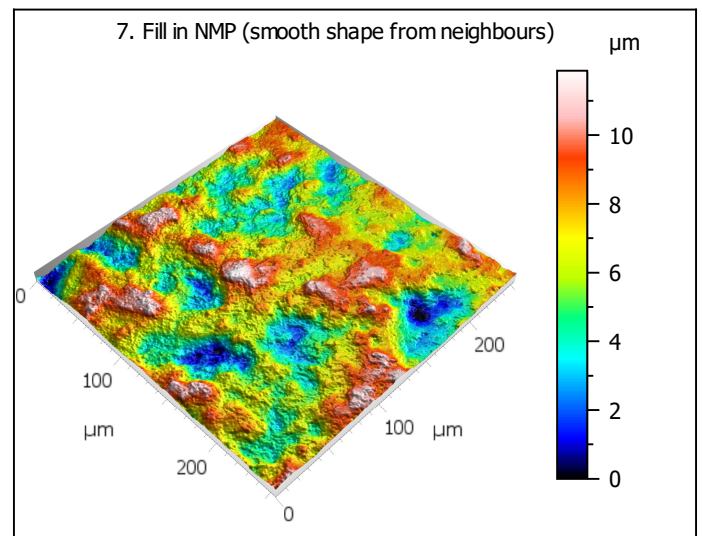
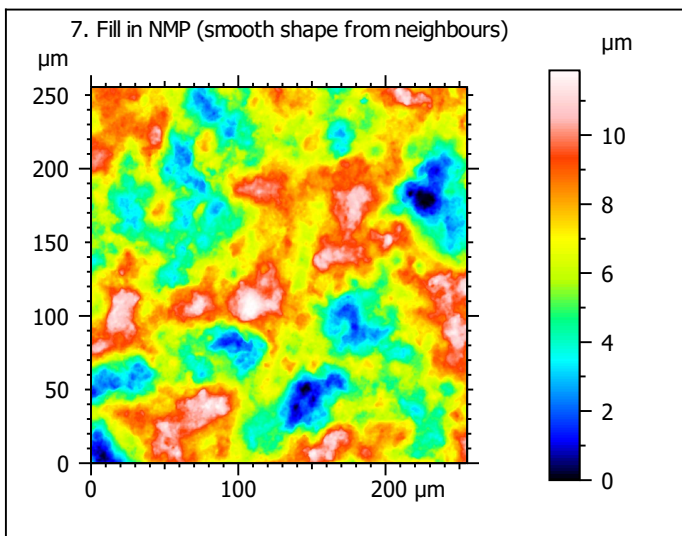
Identity card			
Name:	lime6-7_lsm_50x-0.75_...10_1000rot_surf1_Topo		
Created on:	9/10/2020 12:50:56 PM		
Studiabile type:	Surface		
<b>Axis:</b>	<b>X</b>		
Length:	255.3	μm	
Size:	1024	points	
Spacing:	0.2496	μm	
<b>Axis:</b>	<b>Y</b>		
Length:	255.3	μm	
Size:	1024	points	
Spacing:	0.2496	μm	
<b>Axis:</b>	<b>Z</b>		
Layer type:	Topography		
Length:	38.14	μm	
Size:	65532	digits	
Spacing:	0.5820	nm	
NM-points ratio:	0.000 % (0 Pts)		







Identity card			
Name:	lime6-7_Ism_50x-0.75...filtered (As 2.500 $\mu\text{m}$ )		
File path:	D:\Dropbox\jmmarreir...00rot_surf1_Topo.sur		
Created on:	9/10/2020 12:50:56 PM		
Studiabile type:	Surface		
<b>Axis:</b>	<b>X</b>		
Length:	255.3	$\mu\text{m}$	
Size:	1024	points	
Spacing:	0.2496	$\mu\text{m}$	
Offset:	0.000	$\mu\text{m}$	
<b>Axis:</b>	<b>Y</b>		
Length:	255.3	$\mu\text{m}$	
Size:	1024	points	
Spacing:	0.2496	$\mu\text{m}$	
Offset:	-255.3	$\mu\text{m}$	
<b>Axis:</b>	<b>Z</b>		
Layer type:	Topography		
Length:	11.88	$\mu\text{m}$	
Min:	-6.465	$\mu\text{m}$	
Max:	5.411	$\mu\text{m}$	
Size:	204032	digits	
Spacing:	0.0582	nm	
NM-points ratio:	25.15 % (263761 Pts)		



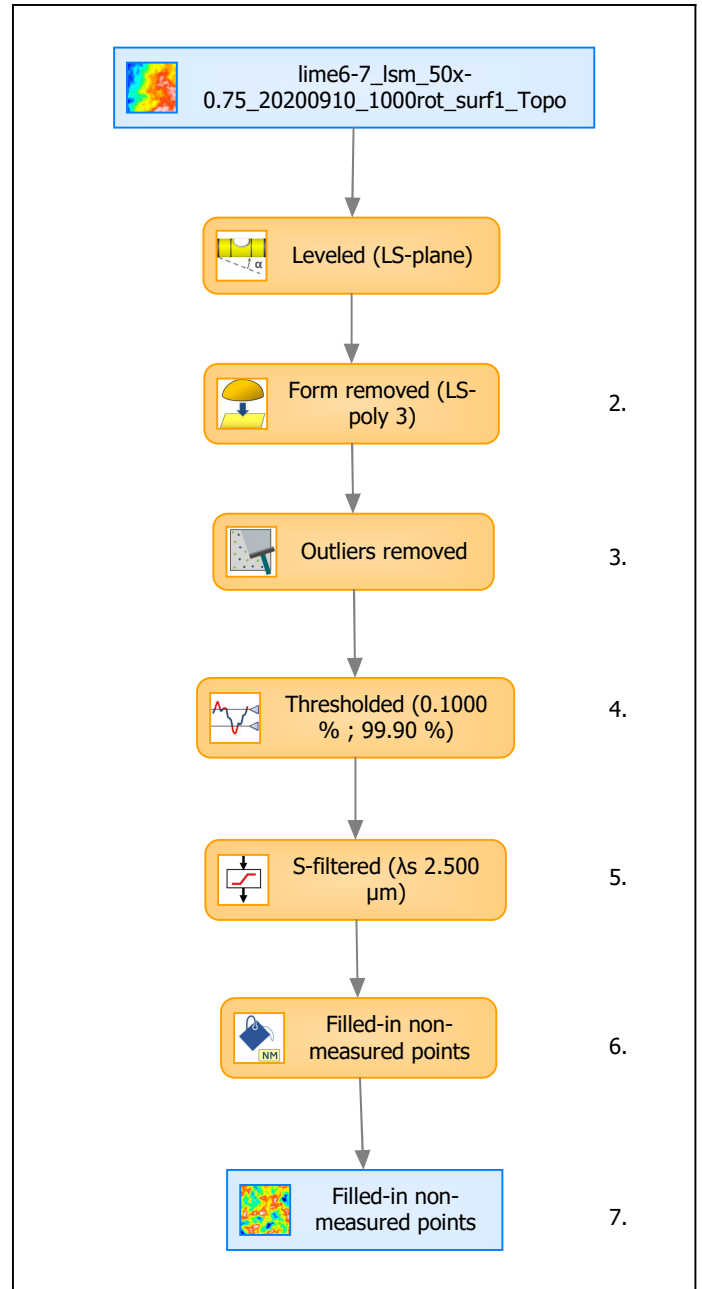


Identity card			
Name:	lime6-7_lsm_50x-0.75_...in non-measured points		
Created on:	9/10/2020 12:50:56 PM		
Studiable type:	Surface		
<b>Axis:</b>	<b>X</b>		
Length:	255.3	μm	
Size:	1024	points	
Spacing:	0.2496	μm	
<b>Axis:</b>	<b>Y</b>		
Length:	255.3	μm	
Size:	1024	points	
Spacing:	0.2496	μm	
<b>Axis:</b>	<b>Z</b>		
Layer type:	Topography		
Length:	11.88	μm	
Size:	204032	digits	
Spacing:	0.0582	nm	
NM-points ratio:	0.000 % (0 Pts)		

### Analyses

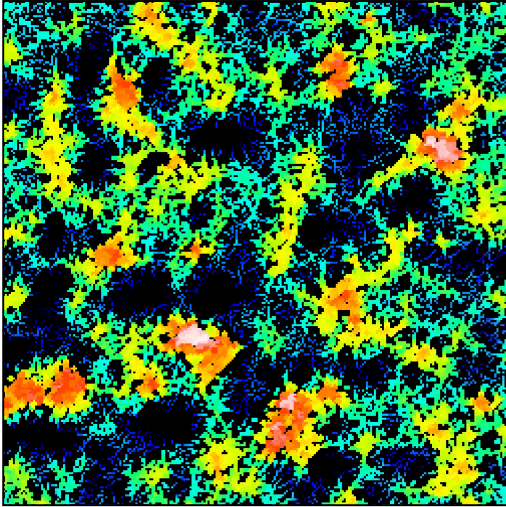
#### 8. ISO 25178-2 parameters on surface #7

ISO 25178 - Primary surface			
<i>F: [Workflow] Form removed (LS-poly 3)</i>			
<i>S-filter (λs): [Workflow] S-filtered (λs 2.500 μm)</i>			
Height parameters			
Sq	2.193	μm	
Ssk	-0.1488		
Sku	2.569		
Sp	5.345	μm	
Sv	6.530	μm	
Sz	11.88	μm	
Sa	1.791	μm	
Functional parameters			
Smr	1.256	%	
Smc	2.878	μm	
Sxp	4.405	μm	
Spatial parameters			
Sal	23.27	μm	
Str	0.6687		
Std	73.50	°	
Hybrid parameters			
Sdq	0.4170		
Sdr	7.830	%	
Functional parameters (Volume)			
Vm	0.07634	μm <sup>3</sup> /μm <sup>2</sup>	
Vv	2.954	μm <sup>3</sup> /μm <sup>2</sup>	
Vmp	0.07634	μm <sup>3</sup> /μm <sup>2</sup>	
Vmc	2.094	μm <sup>3</sup> /μm <sup>2</sup>	
Vvc	2.712	μm <sup>3</sup> /μm <sup>2</sup>	
Vvv	0.2429	μm <sup>3</sup> /μm <sup>2</sup>	



Analyses:	
ISO 25178	8.
Furrow	9.
Texture direction	10.
Texture isotropy	11.
SSFA	12.

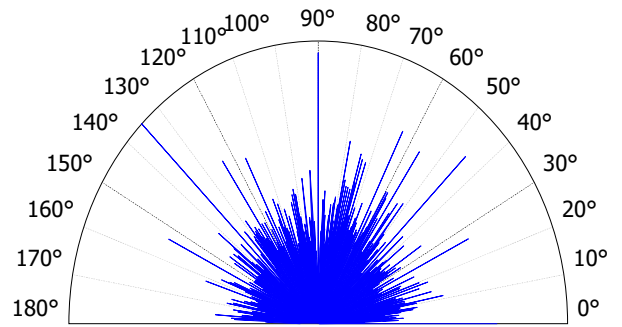
9. Furrow analysis on surface #7



All furrows are shown.

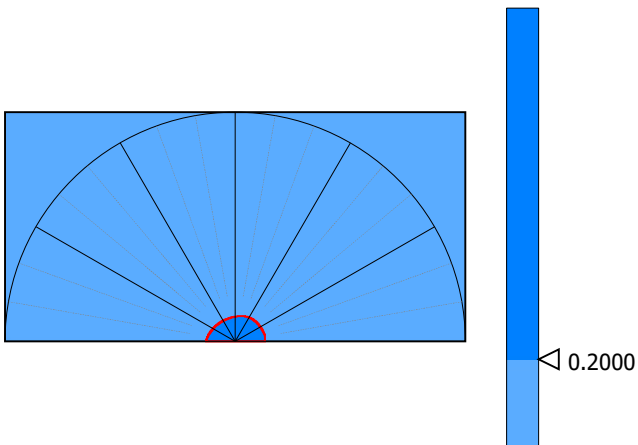
Parameters	Value	Unit
Maximum depth of furrows	6.853	µm
Mean depth of furrows	2.483	µm
Mean density of furrows	2404	cm/cm2

10. Texture direction on surface #7



Parameters	Value	Unit
First direction	135.0	°
Second direction	89.99	°
Third direction	45.00	°

11. Texture isotropy on surface #7



Parameters	Value	Unit
Texture isotropy	80.19	%

12. SSFA on surface #7

