

Textiles with new functionality can be produced by coating textile fibres with nano-scale particles. DFM measurements on individual textile fibres with a different surface treatment allow comparing the properties of these coatings. Although the image size could be measured using a high resolution DFM, a large scan DFM was used in order to have a sufficient height range for finding the highest point on the fibre diameter. The X-Y table option was used to facilitate positioning of the tip with respect to the fibre.

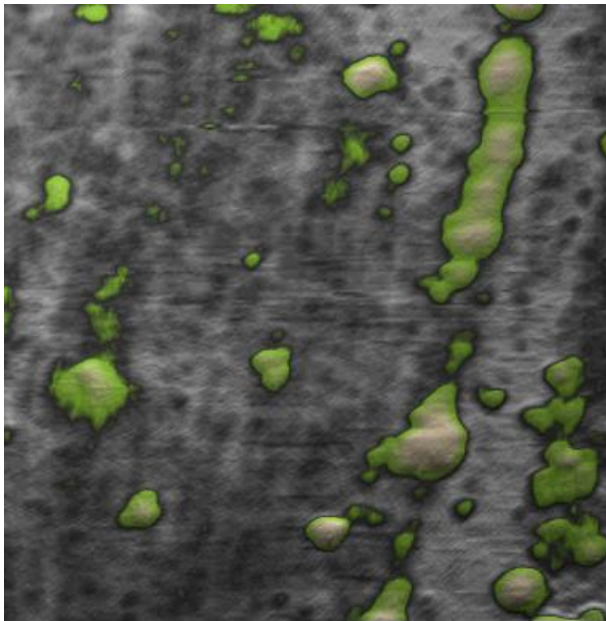


Figure 1: Scan size  $5\mu\text{m} \times 5\mu\text{m}$ ; z-range 19nm