

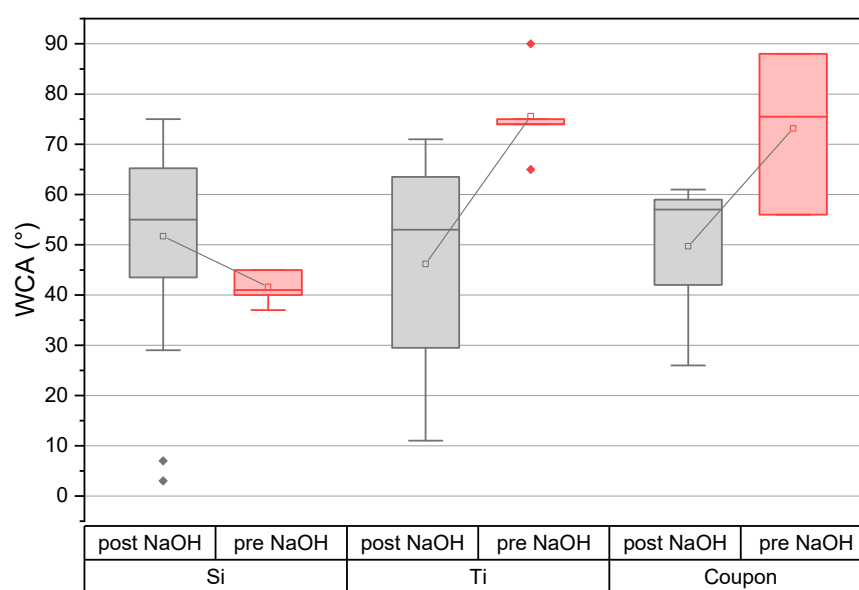
# Characterising Hydroxyapatite Deposited from Solution onto Novel Substrates: Growth Mechanism and Physical Properties

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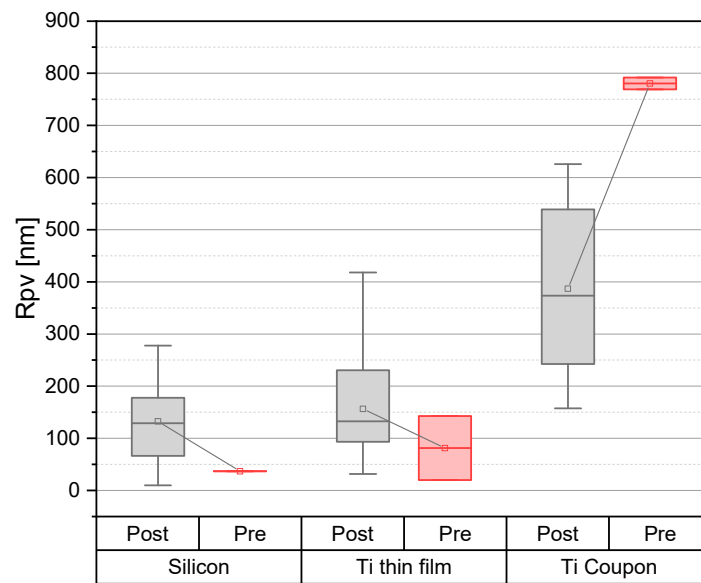
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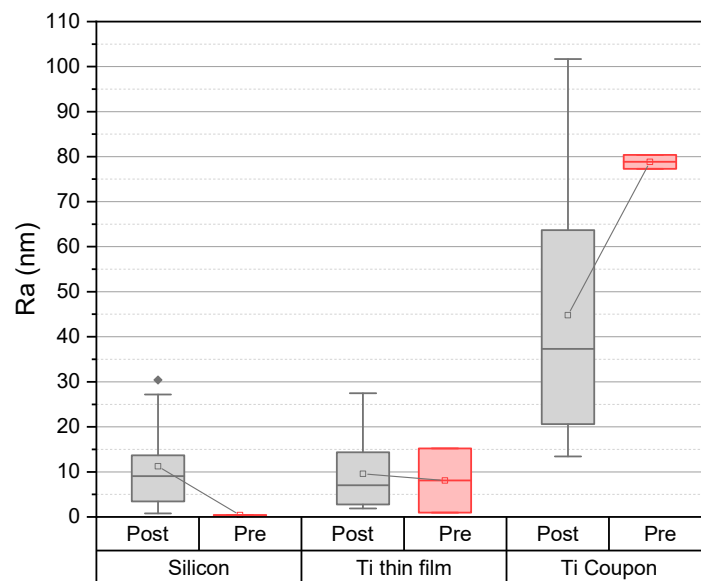
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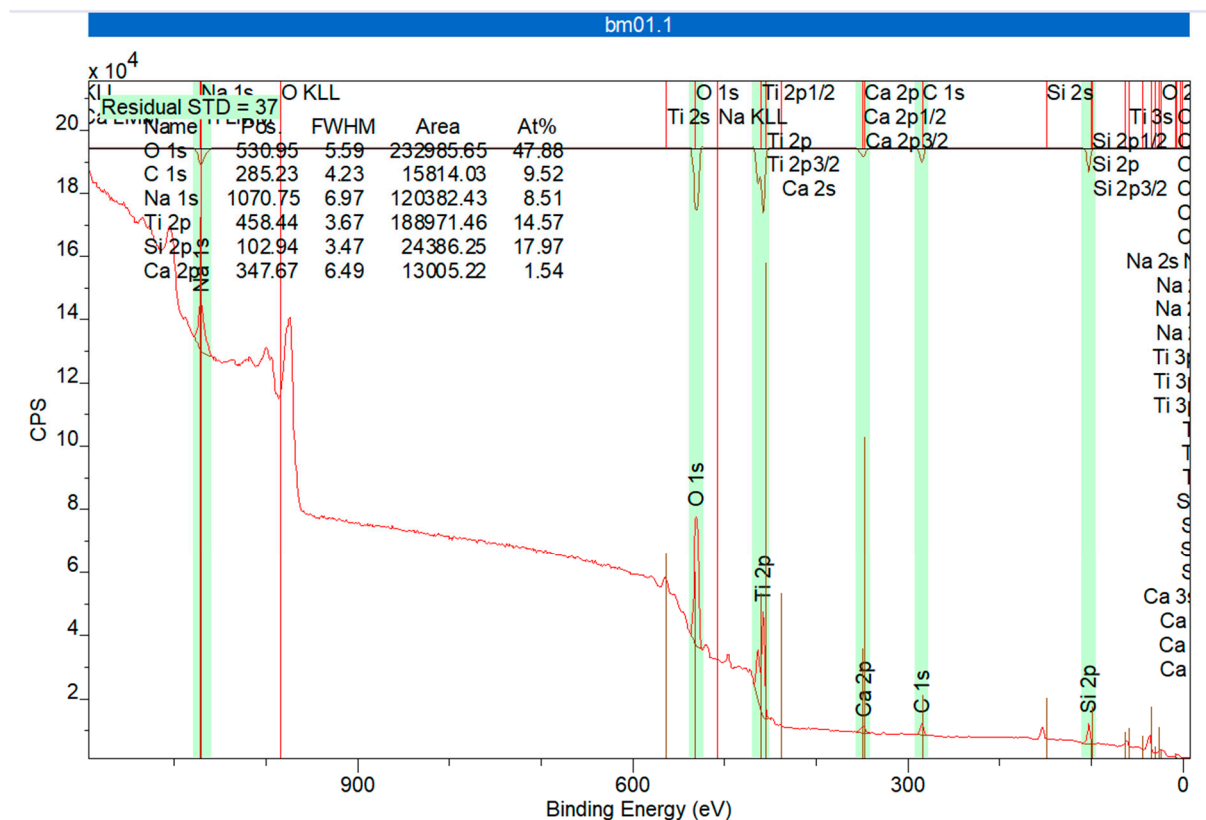
**Figure 1.** WCA in ° measured for each substrate pre and post activation.



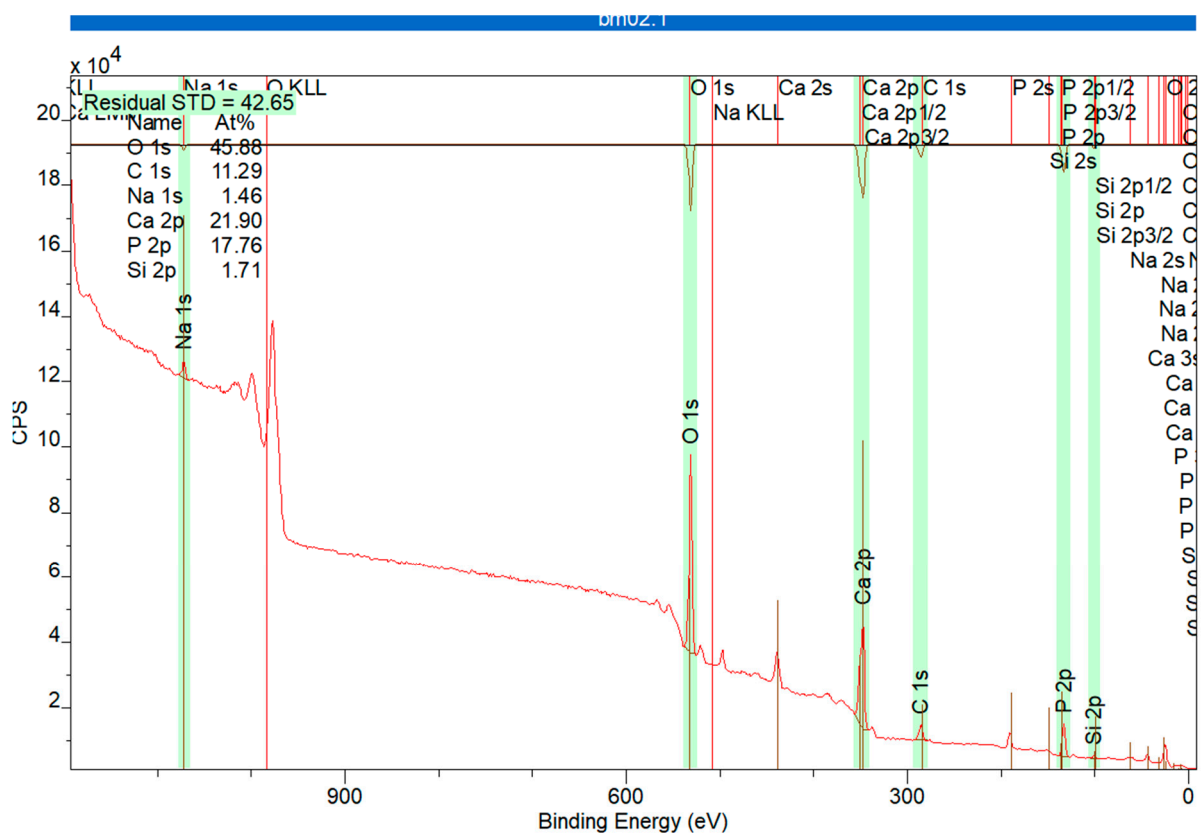
**Figure 2.** The peak-to-valley (R<sub>pv</sub>) roughness of the three substrates pre- and post-activation as measured by atomic force microscopy.



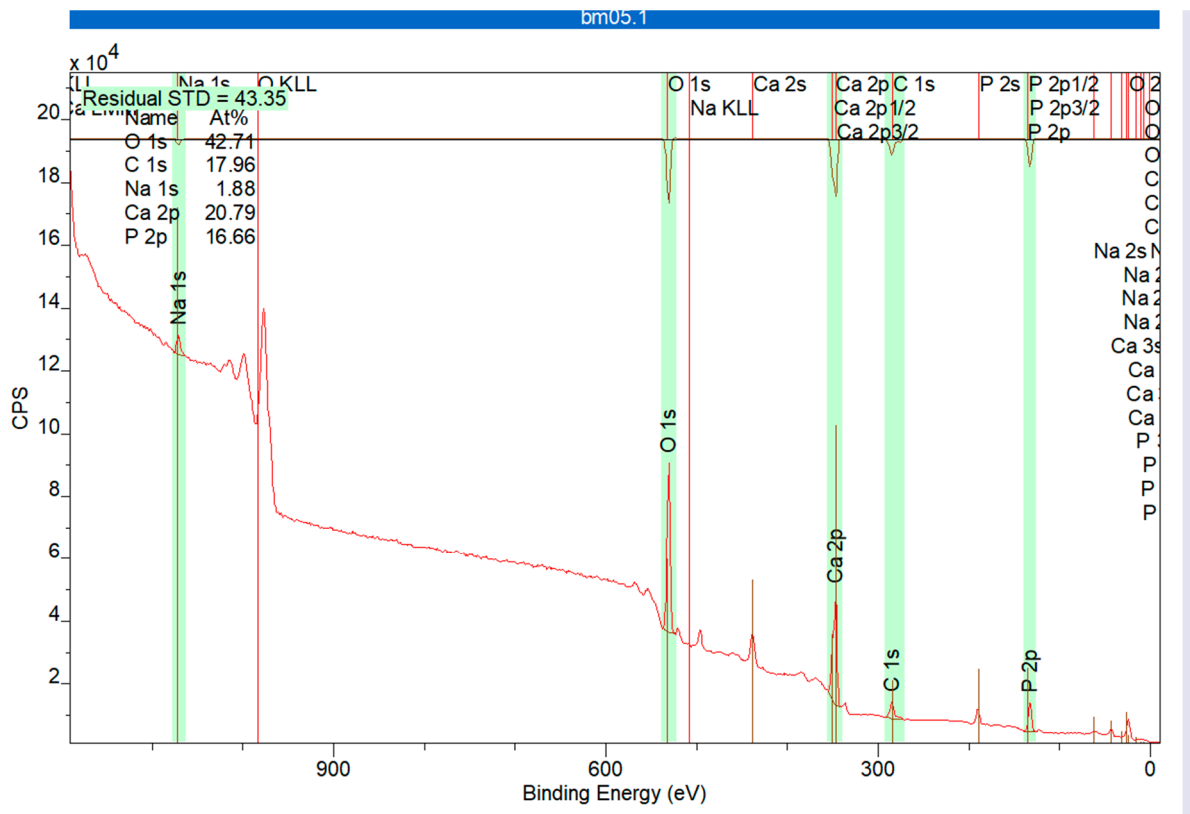
**Figure 3.** The average roughness (R<sub>a</sub>) of the three substrates pre- and post-activation as measured by atomic force microscopy.



**Figure 4.** X-Ray Photoelectron spectroscopy analysis, showing the Survey Scan of HA coated titanium thin film (Sample 1), Y-axis: counts per second [CPS] versus X-axis: binding energy [eV].



**Figure 5.** X-Ray Photoelectron spectroscopy analysis, showing the Survey Scan of HA coated titanium thin film (Sample 2), Y-axis: counts per second [CPS] versus X-axis: binding energy [eV].



**Figure 6.** X-Ray Photoelectron spectroscopy analysis, showing the Survey Scan of HA coated titanium thin film (Sample 3), Y-axis: counts per second [CPS] versus X-axis: binding energy [eV].