

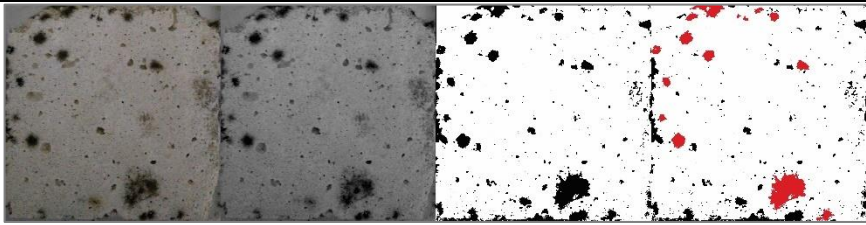
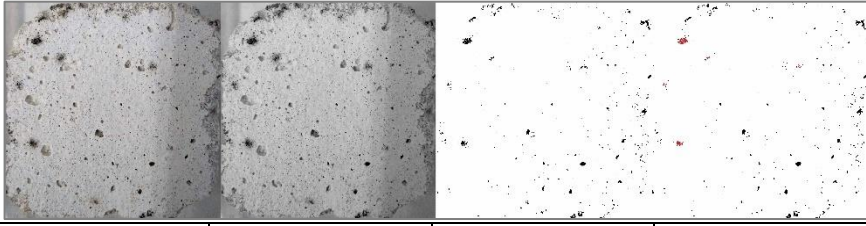
Sample 5 – with nTiO ₂					
M7					Total pixel = 72250000 Total staining (pixels) = 4581844 Staining = 6.34%
	(a)	(b)	(c)	(d)	
M10					Total pixel = 72250000 Total staining (pixels) = 141687 Staining = 0.20%
	(a)	(b)	(c)	(d)	
Total staining reduction = 97%					

Figure S2. Percentage of staining in sample 5 with TiO₂: (a) JPEG image format, (b) image in gray scale, (c) binarized image (black and white pixels), (d) demarcation of the quantified area in red.