

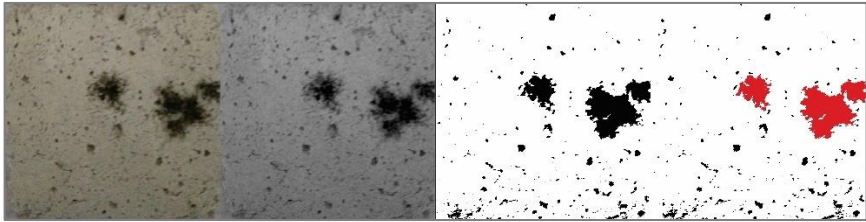
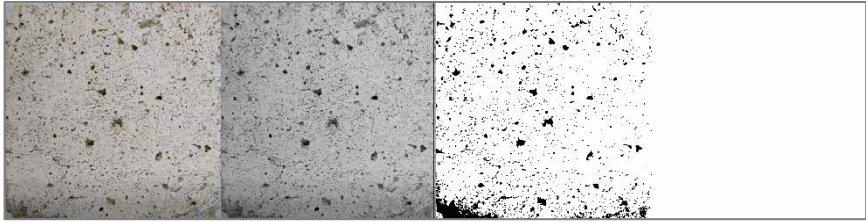
Sample 4 – with nTiO ₂					
M7					Total pixel = 72250000 Total staining (pixels) = 4379249 Staining = 6.06%
	(a)	(b)	(c)	(d)	
M10					Total pixel = 72250000 Total staining (pixels) = 0 Staining = 0%
	(a)	(b)	(c)	(d)	
Total staining reduction = 100%					

Figure S1. Percentage of staining in sample 4 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.