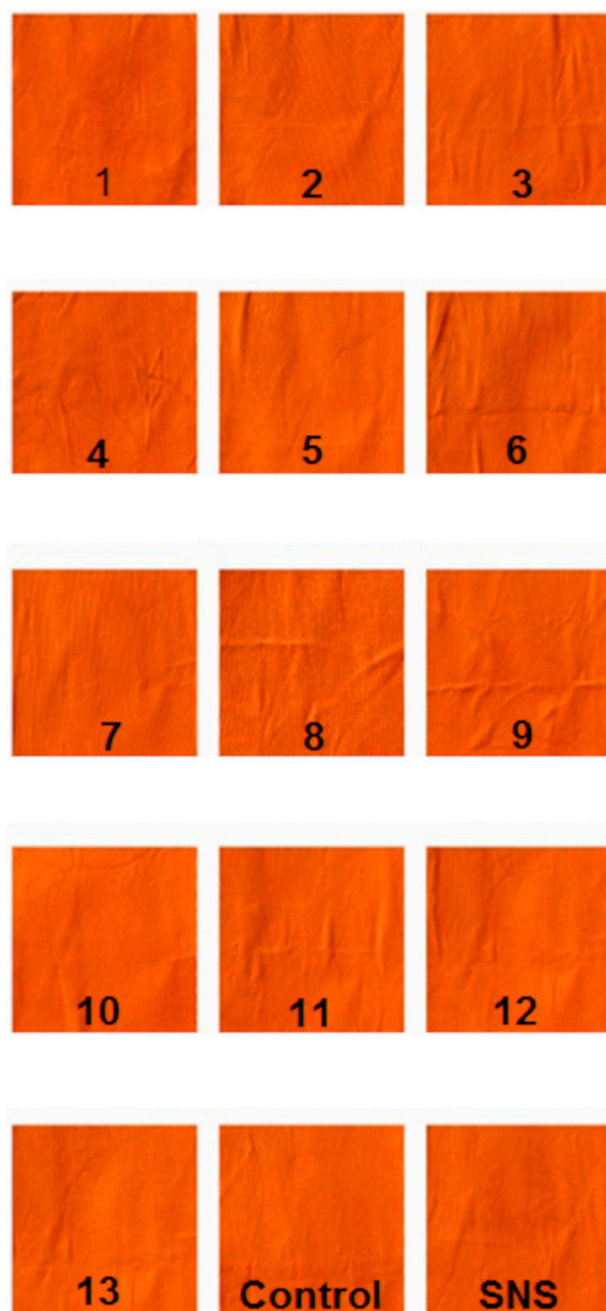
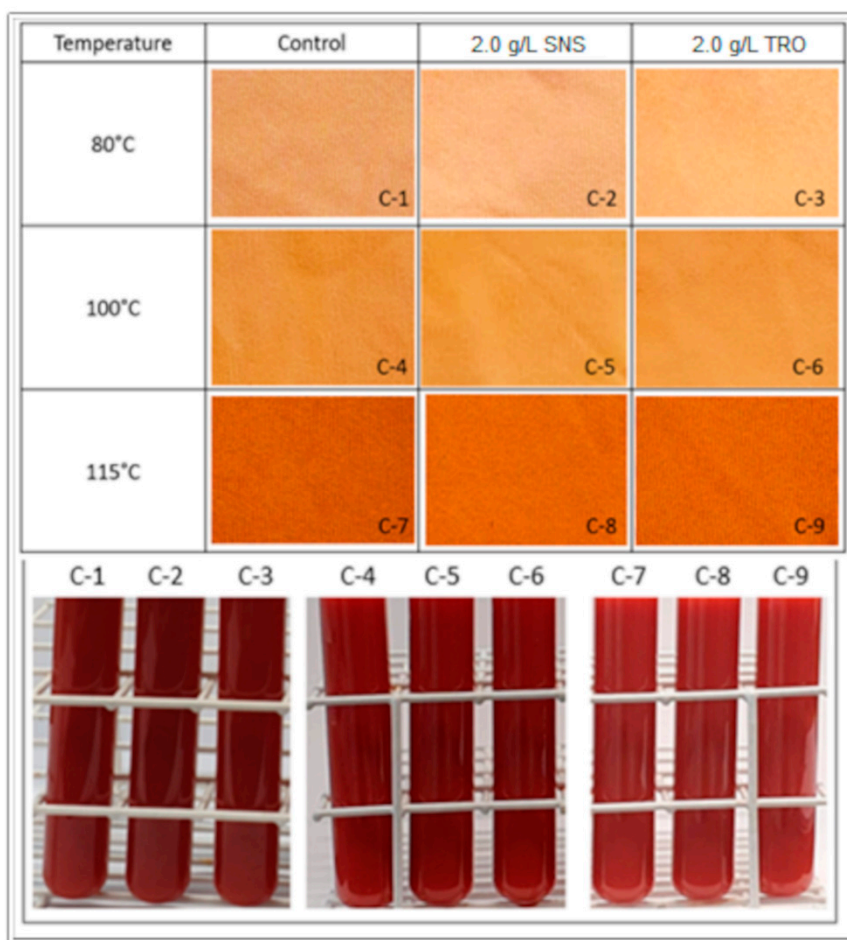



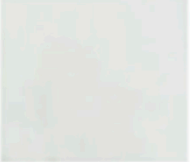


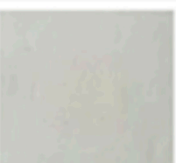
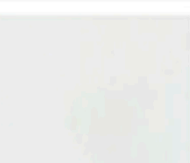
## SUPPLEMENTARY MATERIAL












**Figure S1.** Photos of the fabric samples from treatments at 130°C.



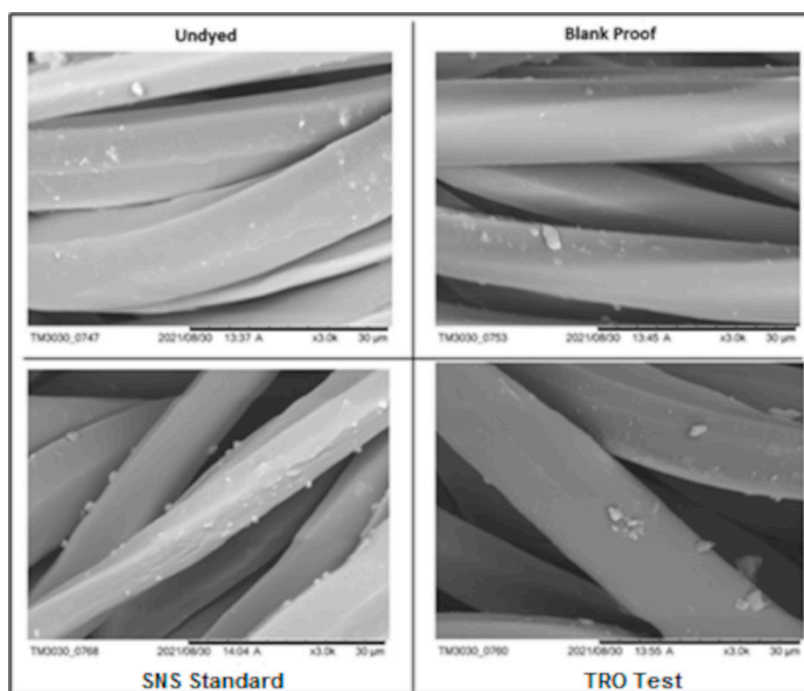
**Figure S2.** Fabrics and residual dyeing solutions at 80°C, 100°C and 115°C.

Treatment	CO Witness Migration	PES Witness Migration
Blank Proof Dyeing Dye Only		
Dyeing with 2.0 g/L SNS		
Dyeing with 2.0 g/L TRO		

**Figure S3.** Samples of cotton and polyester after wet rubbing fastness test.

Testing	Blank Proof Dyeing	Standard Dyeing with 2.0 g/L SNS	Test Dyeing with 2.0 g/L TRO
CO Witness Migration			
PES Witness Migration			
Alteration			

**Figure S4.** Fabric samples after the washing fastness.



**Figure S5.** SEM images of samples at 3000X magnification.