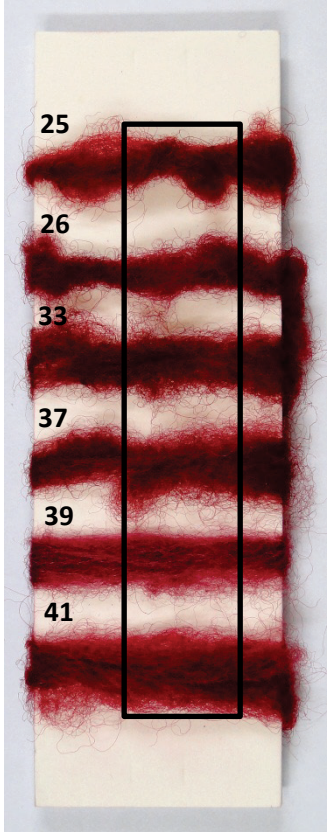
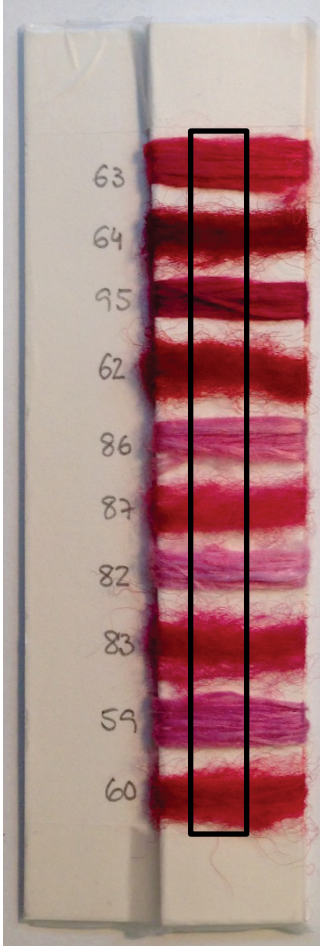
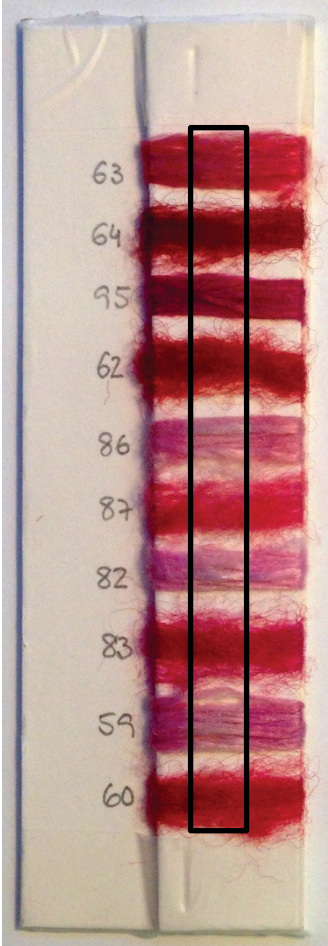


APPENDIX 8

Dyed fibres before and after artificial ageing (from experiments described in Appendix 7).

Before	After	Colour measurements
		Experiment 3 Before: L* 34.54±0.02, a* 62.05±0.02, b* 3.21±0.04 After: L* 45.34±0.01, a* 41.81±0.02, b* 5.75±0.01 Δ: L* 10.80, a* -20.24, b* 2.54
		Experiment 11 Before: L* 34.92±0.02, a* 51.96±0.06, b* -5.28±0.02 After: 50.88±0.59, a* 30.12±0.02, b* 3.81±0.01 Δ: L* 15.96, a* -21.85, b* 9.08
		Experiment 14 Before: L* 28.79±0.01, a* 48.15±0.01, b* -13.53±0.03 After: L* 49.20±0.02, a* 20.14±0.01, b* 1.13±0.01 Δ: L* 20.41, a* -28.01, b* 14.65
		Experiment 13 Before: L* 23.18±0.01, a* 53.90±0.04, b* -15.98±0.03 After: L* 40.00±0.01, a* 27.30±0.01, b* 2.28±0.02 Δ: L* 16.82, a* -26.61, b* 18.27
		Experiment 32 Before: L* 31.36±0.01, a* 62.53±0.01, b* 4.23±0.07 After: L* 43.29±0.02, a* 40.68±0.01, b* 5.55±0.01 Δ: L* 11.93, a* -21.86, b* 1.32
		Experiment 36 Before: L* 40.35±0.02, a* 49.40±0.05, b* -3.85±0.01 After: L* 48.22±0.01, a* 32.65±0.01, b* 7.54±0.01 Δ: L* 7.87, a* -16.74, b* 11.39

Before	After	Colour measurements
		Experiment 25 Before: L* 16.39±0.01, a* 47.45±0.01, b* 28.11±0.02 After: L* 17.98±0.01, a* 49.45±0.03, b* 30.84±0.01 Δ: L* 1.59, a* 2.00, b* 2.73
		Experiment 26 Before: L* 15.67±0.01, a* 47.10±0.03, b* 26.77±0.16 After: L* 19.40±0.03, a* 50.38±0.03, b* 33.30±0.05 Δ: L* 3.74, a* 3.28, b* 6.53
		Experiment 33 Before: L* 12.14±0.05, a* 42.38±0.06, b* 20.77±0.09 After: L* 22.35±0.03, a* 52.38±0.01, b* 38.38±0.05 Δ: L* 10.21, a* 10.01, b* 17.61
		Experiment 37 Before: L* 13.82±0.09, a* 44.40±0.14, b* 23.66±0.16 After: L* 22.90±0.02, a* 52.28±0.01, b* 39.33±0.03 Δ: L* 9.09, a* 7.87, b* 15.67
		Experiment 39 Before: L* 17.73±0.01, a* 47.54±0.01, b* 20.58±0.07 After: L* 30.59±0.07, a* 48.02±0.07, b* 11.52±0.03 Δ: L* 12.86, a* 0.48, b* -9.06
		Experiment 41 Before: L* 17.25±0.08, a* 45.62±0.06, b* 29.58±0.10 After: L* 26.95±0.02, a* 51.88±0.01, b* 24.42±0.10 Δ: L* 9.70, a* 6.26, b* -5.16
		Experiment 38 Before: L* 35.14±0.03, a* 53.74±0.04, b* -2.84±0.0 After: L* 46.00±0.02, a* 35.00±0.01, b* 3.74±0.01 Δ: L* 10.87, a* -18.74, b* 6.59
		Experiment 40 Before: L* 33.59±0.08, a* 56.64±0.04, b* -0.55±0.06 After: L* 49.49±0.02, a* 33.23±0.03, b* 5.14±0.01 Δ: L* 15.90, a* -23.41, b* 5.69
		Experiment 42 Before: L* 29.38±0.05, a* 61.16±0.04, b* 9.17±0.08 After: L* 41.38±0.13, a* 45.11±0.06, b* 7.64±0.02 Δ: L* 11.99, a* -16.05, b* -1.52
		Experiment 73 Before: L* 41.13±0.04, a* 63.45±0.01, b* 32.68±0.04 After: L* 49.76±0.06, a* 46.43±0.01, b* 22.62±0.05 Δ: L* 8.62, a* -17.02, b* -10.06
		Experiment 43 Before: L* 11.44±0.01, a* 41.67±0.01, b* 19.56±0.01 After: L* 15.04±0.03, a* 45.85±0.03, b* 25.78±0.04 Δ: L* 3.61, a* 4.17, b* 6.22
		Experiment 74 Before: L* 23.03±0.02, a* 54.05±0.03, b* 39.55±0.02 After: L* 28.89±0.01, a* 55.09±0.02, b* 49.62±0.02 Δ: L* 5.86, a* 1.04, b* 10.06

Before	After	Colour measurements
		Experiment 63 Before: $L^* 40.96 \pm 0.01$, $a^* 55.51 \pm 0.02$, $b^* 19.91 \pm 0.02$ After: $L^* 46.18 \pm 0.03$, $a^* 41.47 \pm 0.02$, $b^* 18.22 \pm 0.02$ Δ : $L^* 5.22$, $a^* -14.04$, $b^* -1.71$
		Experiment 64 Before: $L^* 15.64 \pm 0.02$, $a^* 46.48 \pm 0.01$, $b^* 26.81 \pm 0.04$ After: $L^* 18.82 \pm 0.06$, $a^* 49.17 \pm 0.05$, $b^* 32.25 \pm 0.09$ Δ : $L^* 3.18$, $a^* 2.69$, $b^* 5.44$
		Experiment 95 Before: $L^* 33.89 \pm 0.03$, $a^* 48.26 \pm 0.03$, $b^* 6.41 \pm 0.01$ After: $L^* 28.86 \pm 0.02$, $a^* 57.33 \pm 0.05$, $b^* 7.51 \pm 0.04$ Δ : $L^* 5.03$, $a^* -9.07$, $b^* -1.10$
		Experiment 62 Before: $L^* 26.45 \pm 0.04$, $a^* 53.40 \pm 0.15$, $b^* 45.45 \pm 0.07$ After: $L^* 19.97 \pm 0.05$, $a^* 48.93 \pm 0.06$, $b^* 34.27 \pm 0.08$ Δ : $L^* 6.48$, $a^* 4.47$, $b^* 11.18$
		Experiment 86 Before: $L^* 69.37 \pm 0.15$, $a^* 19.99 \pm 0.04$, $b^* 10.46 \pm 0.03$ After: $L^* 59.87 \pm 0.02$, $a^* 33.75 \pm 0.01$, $b^* 4.49 \pm 0.01$ Δ : $L^* 9.50$, $a^* -13.76$, $b^* 5.97$
		Experiment 87 Before: $L^* 48.65 \pm 0.21$, $a^* 45.86 \pm 0.08$, $b^* 17.11 \pm 0.03$ After: $L^* 35.09 \pm 0.02$, $a^* 57.75 \pm 0.03$, $b^* 17.37 \pm 0.02$ Δ : $L^* 13.56$, $a^* -11.89$, $b^* -0.26$
		Experiment 82 Before: $L^* 70.85 \pm 0.13$, $a^* 18.16 \pm 0.09$, $b^* 7.23 \pm 0.02$ After: $L^* 63.27 \pm 0.04$, $a^* 32.44 \pm 0.08$, $b^* -0.62 \pm 0.02$ Δ : $L^* 7.58$, $a^* -14.28$, $b^* 7.85$
		Experiment 83 Before: $L^* 33.44 \pm 0.07$, $a^* 58.48 \pm 0.05$, $b^* 11.79 \pm 0.04$ After: $L^* 26.49 \pm 0.02$, $a^* 57.98 \pm 0.03$, $b^* 19.43 \pm 0.07$ Δ : $L^* 6.95$, $a^* -3.50$, $b^* -7.64$
		Experiment 59 Before: $L^* 66.66 \pm 0.01$, $a^* 18.23 \pm 0.02$, $b^* 7.23 \pm 0.02$ After: $L^* 54.49 \pm 0.04$, $a^* 32.90 \pm 0.02$, $b^* -3.09 \pm 0.02$ Δ : $L^* 12.07$, $a^* -14.67$, $b^* 10.32$
		Experiment 60 Before: $L^* 39.09 \pm 0.12$, $a^* 51.49 \pm 0.10$, $b^* 20.73 \pm 0.02$ After: $L^* 31.23 \pm 0.02$, $a^* 58.87 \pm 0.01$, $b^* 29.19 \pm 0.09$ Δ : $L^* 7.86$, $a^* -7.38$, $b^* -8.46$