



Supplementary Material

Aging resistance of biocomposites crosslinked with combination of silica and quercetin

Anna Masek ^{1*} and Olga Olejnik ¹

¹ Lodz University of Technology, Faculty of Chemistry, Institute of Polymer and Dye Technology,
ul. Stefanowskiego 12/16, 90-924 Lodz, Poland

* Correspondence: anna.masek@p.lodz.pl

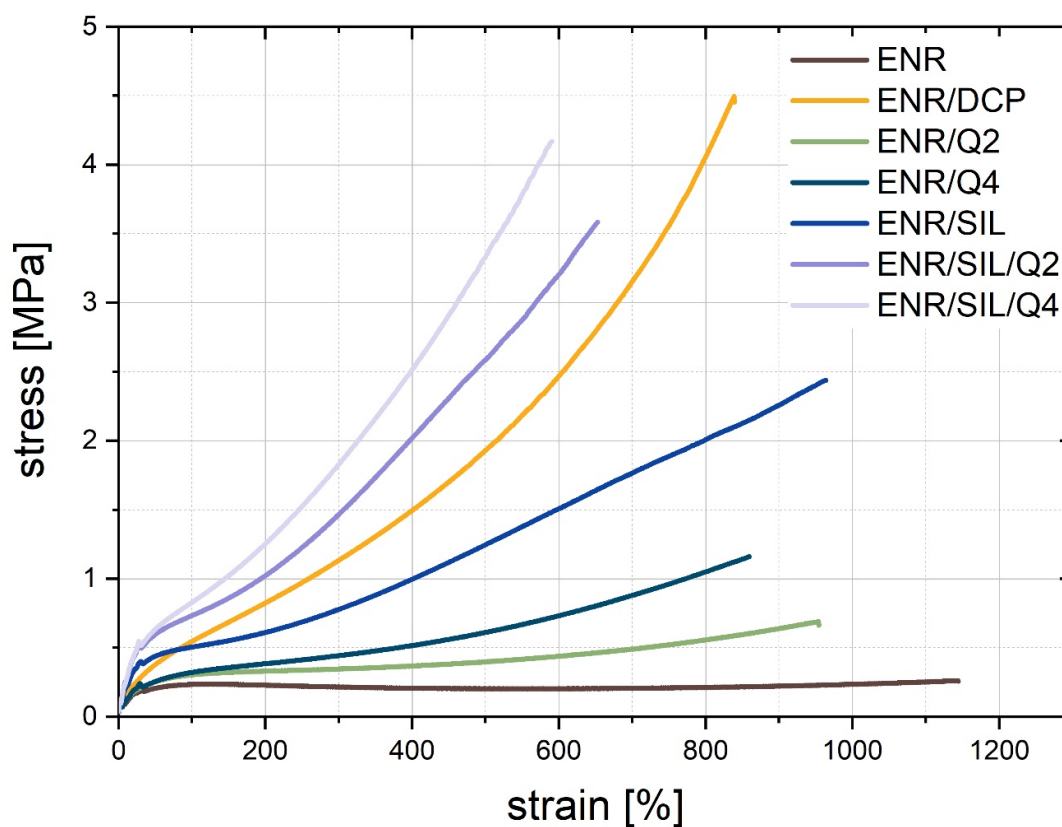


Figure S1. The strain-stress curves of tested ENR-based composites.

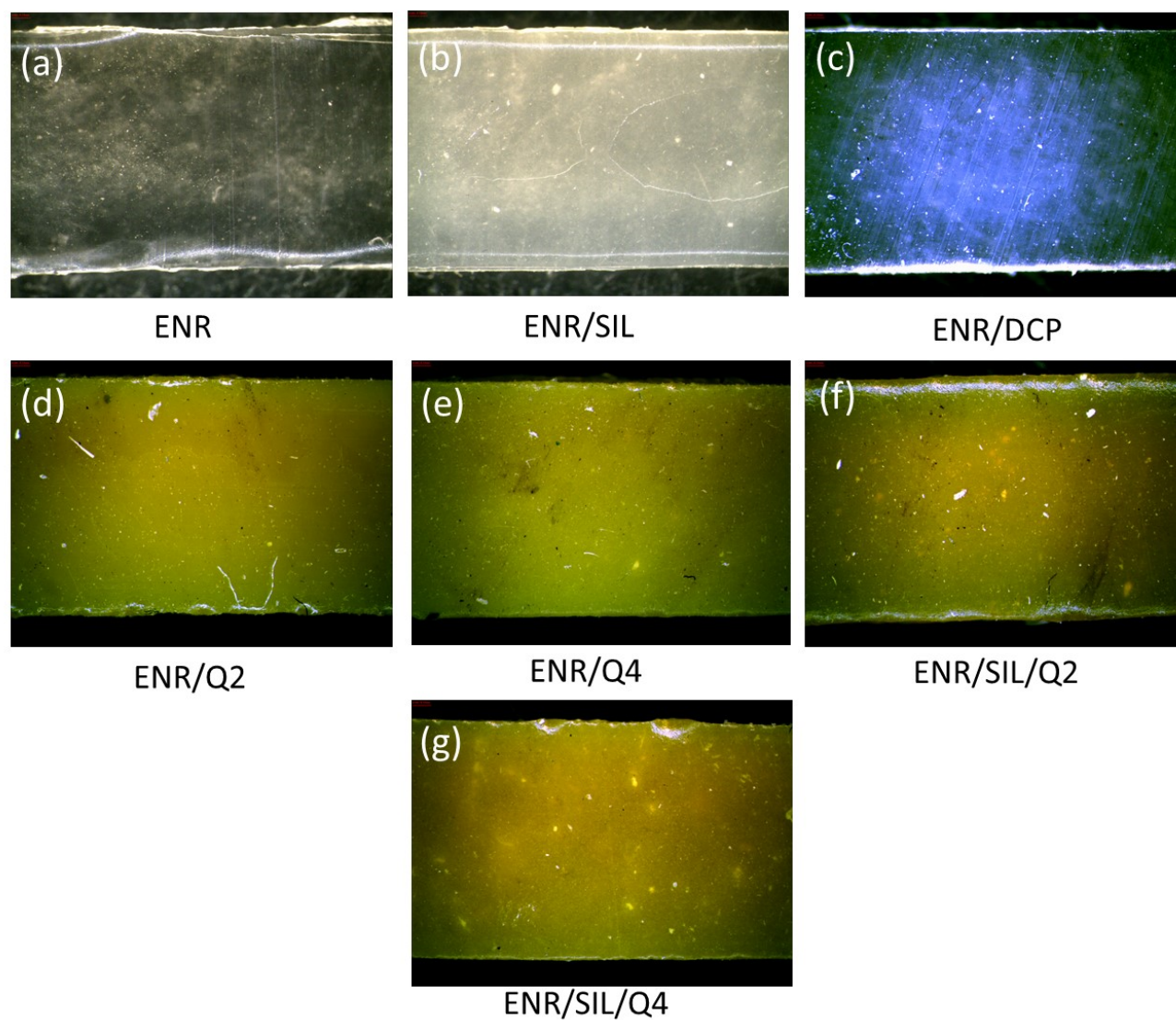


Figure S2. Microscope images of ENR-based composites: (a) pure uncurried ENR, (b) ENR cured with 15 phr of silica, (c) ENR cured with dicumyl peroxide (DCP), (d) ENR cured with 2 phr of quercetin, (e) ENR cured with 4 phr of quercetin, (f) ENR cured with 2 phr of quercetin and 15 phr of silica, (g) ENR cured with 4 phr of quercetin and 15 phr of silica.

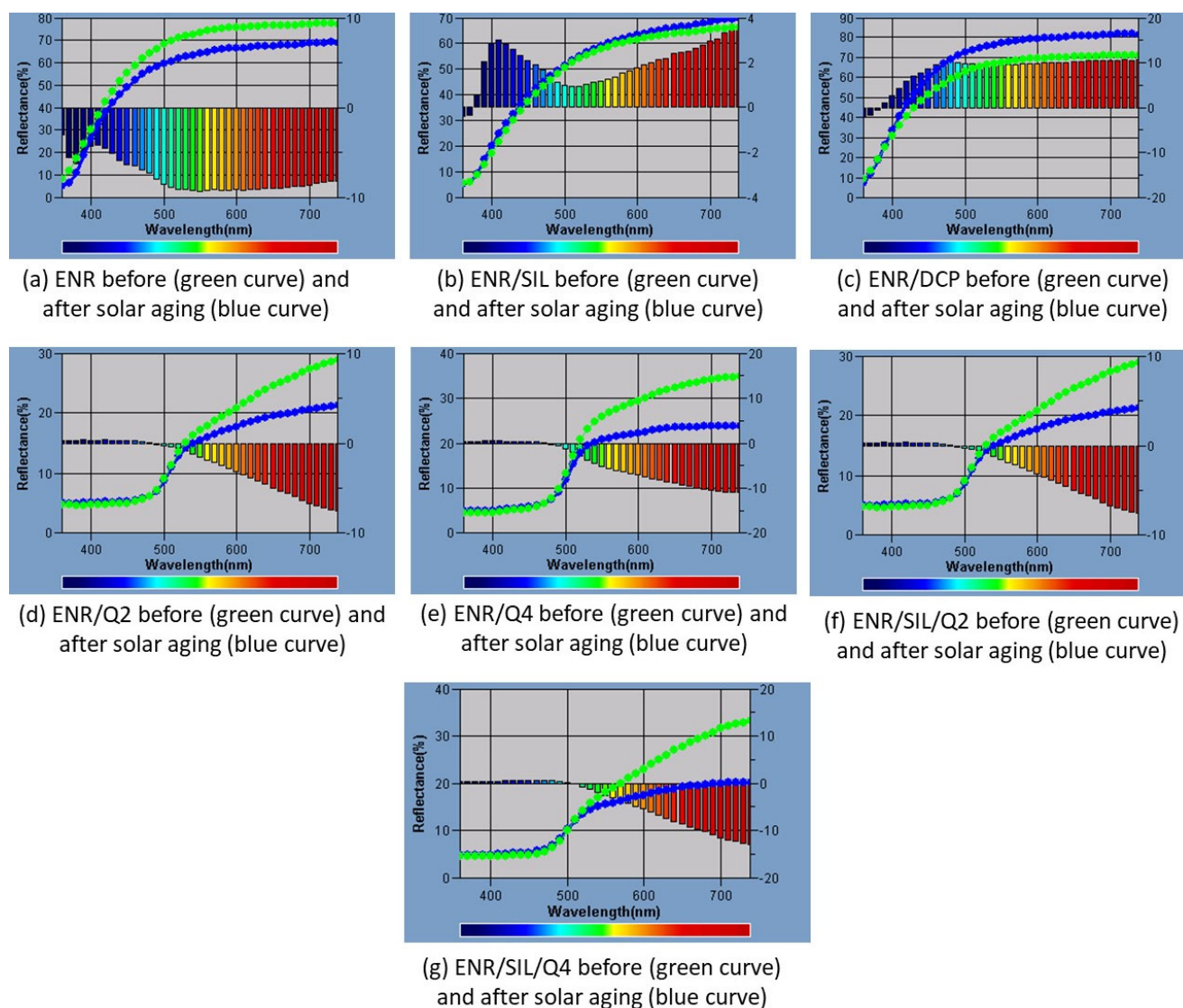


Figure S3. UV-VIS spectra of ENR-based composites before (green curve) and after solar aging (blue curve): (a) pure uncured ENR, (b) ENR cured with 15 phr of silica, (c) ENR cured with dicumyl peroxide (DCP), (d) ENR cured with 2 phr of quercetin, (e) ENR cured with 4 phr of quercetin, (f) ENR cured with 2 phr of quercetin and 15 phr of silica, (g) ENR cured with 4 phr of quercetin and 15 phr of silica.