

Supplementary Materials

Figure S1. Polarizing optical microscope (POM) image of wool dissolution in a vial in [BMIM]Ac at 120 °C for 2 h with stirring. Remaining of cuticle can be seen clearly.

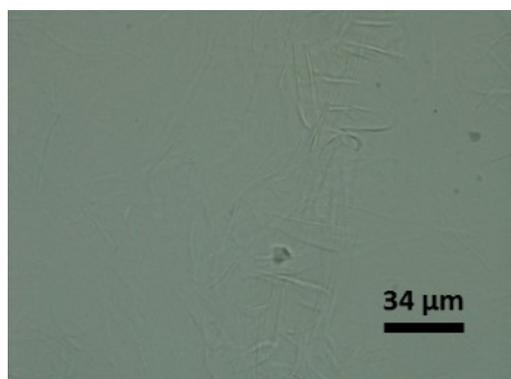


Figure S2. POM image of wool fibre dissolved in [Choline]TGA at 120 °C for 10 min. TGA: thioglycolic acid.

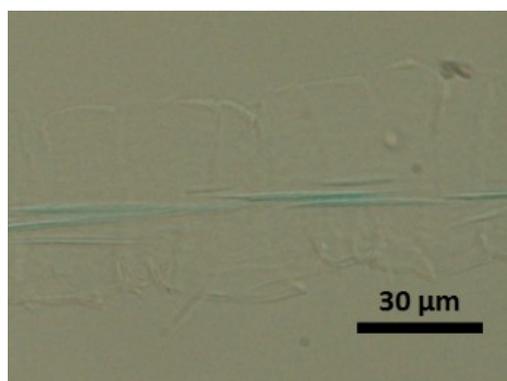


Figure S3. (a) Raman spectra of wool fibres treated in aqueous solution of TGA; and (b) Fourier transform infrared spectroscopy (FTIR) spectra of wool fibres treated in aqueous solution of hydrogen peroxide (H₂O₂).

