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Phosphonium based Ionic liquids – Stabilizing or Destabilizing Agent for

Collagen?

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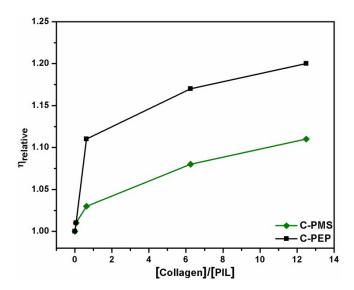


Figure S1. Plot of relative viscosity against 1/R, R= [collagen]/ [PIL] (Temperature: 25°C), C-PEP (Collagen: Phosphonium diethyl phosphate), C-PMS (Collagen: Phosphonium methyl sulfate)

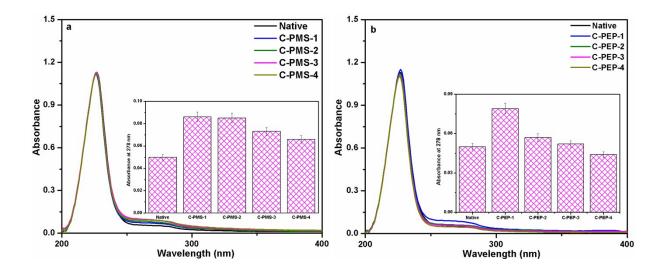


Figure S2. UV – Vis spectra of collagen treated PILs (absorbance at 278 nm in the inset)

(a) C-PMS-1 to C-PMS-4 (Collagen: Phosphonium methyl sulfate 1:0.05% to 1:10%) (b) C-PEP-1 to C-PEP-4 (Collagen: Phosphonium diethyl phosphate 1:0.05% to 1:10%)

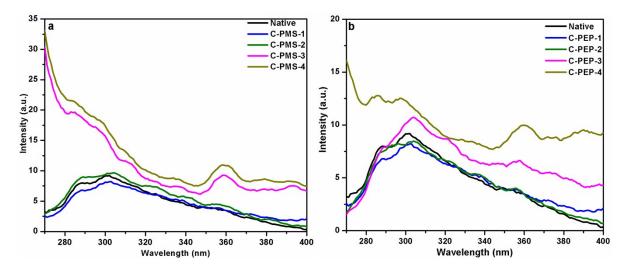


Figure S3. Emission spectra of collagen treated PILs (a) C-PMS-1 to C-PMS-4 (Collagen: Phosphonium methyl sulfate 1:0.05% to 1:10%) (b) C-PEP-1 to C-PEP-4 (Collagen: Phosphonium diethyl phosphate 1:0.05% to 1:10%)