

Supplementary Information

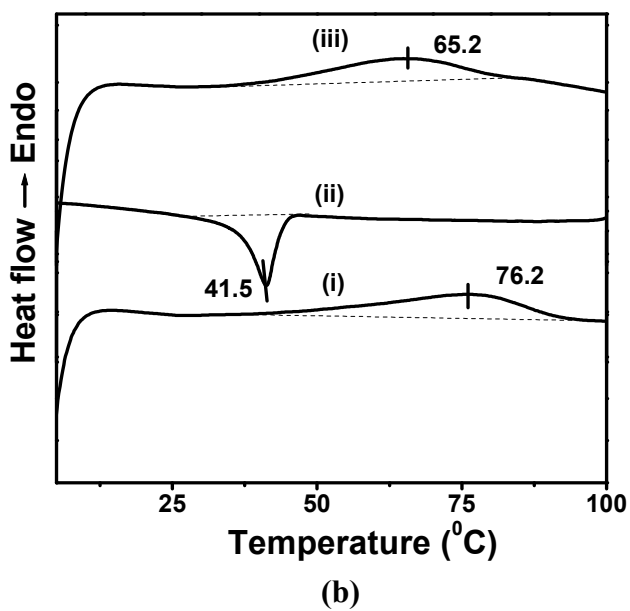
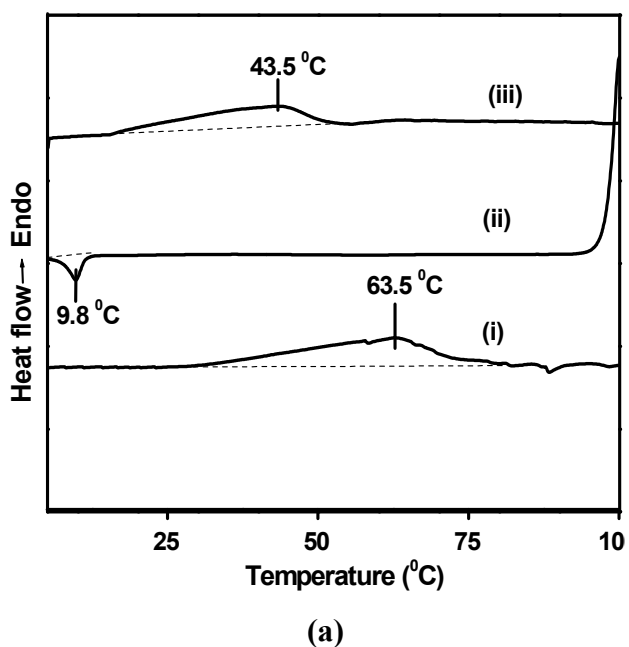
Two Component Thermoreversible Hydrogels of Melamine and Gallic Acid

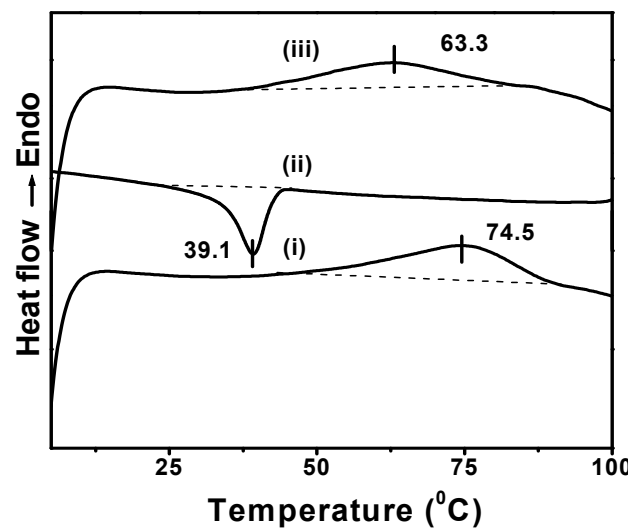
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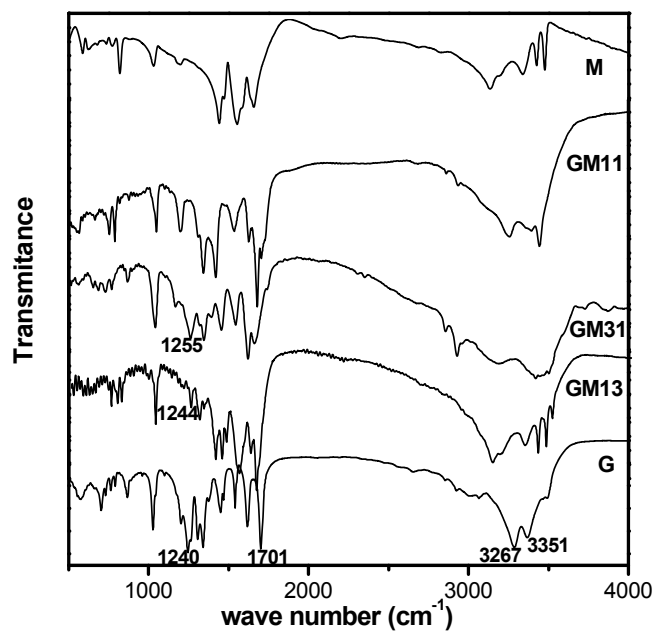
Supplementary Figure 1: DSC thermograms of hydrogel of (a) GM11 (2 % w/v), (b) GM31 (5 % w/v) and (b) GM13 (5 % w/v) for heating at the rate of 10 °/min and on cooling at 5 °/ min. for (i) first heating, (ii) cooling and (iii) second heating (after keeping at 5 °C for 10 mins).



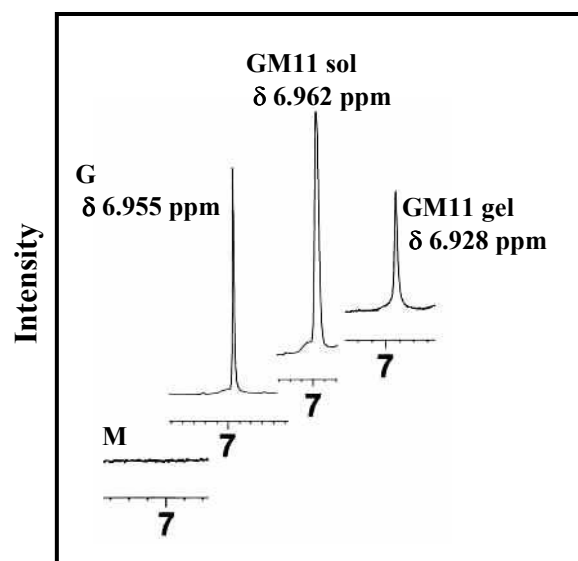


(c)

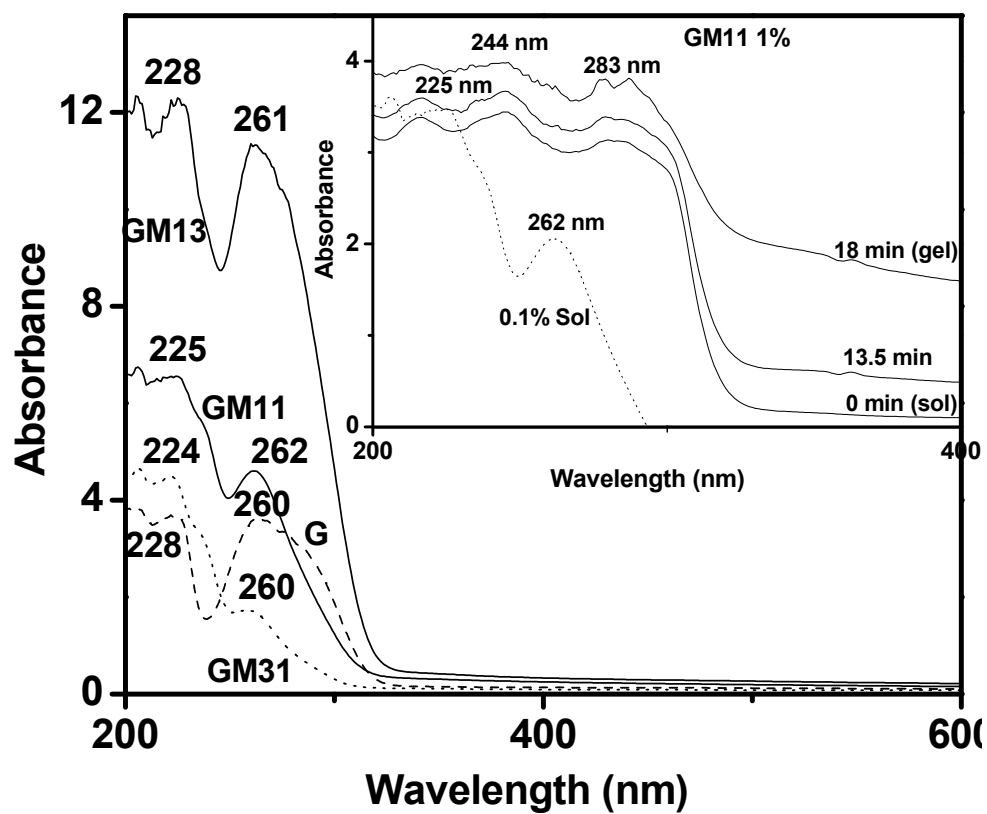
Supplementary Figure 2: FTIR spectra of xerogels of 2 % (w/v) hydrogels of GM13, GM11, GM31, pure G and M.



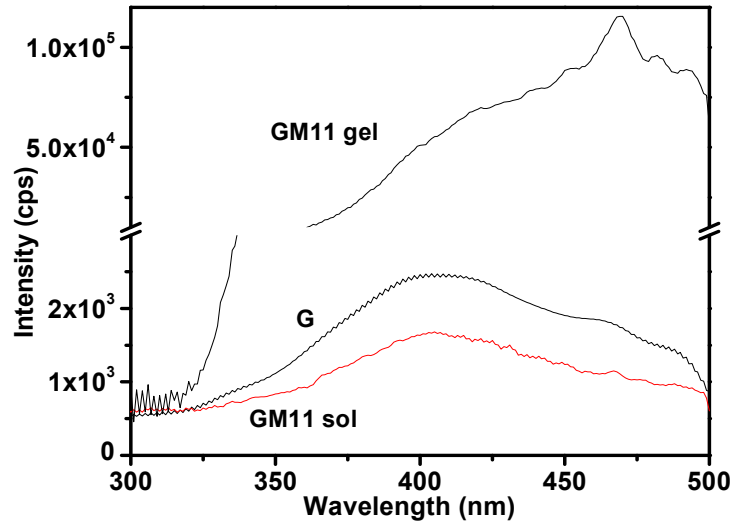
Supplementary Figure 3: Comparison of ^1H NMR spectra near δ 7 ppm for pure G, M, 2 % (w/v) GM11 sol and GM11 gel (conc. of G is same for all samples) in D_2O .



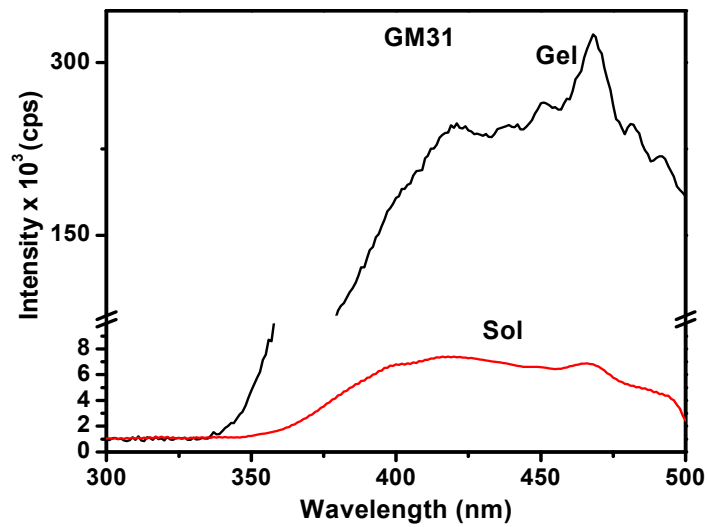
Supplementary Figure 4: Normalized absorption spectra of 0.1 % w/v pure G in water, GM13, GM11 and GM31 sols [Inset: absorption spectra of 0.1 % w/v G in water and that for GM11 1% at indicated times after sol preparation] at 25 °C.



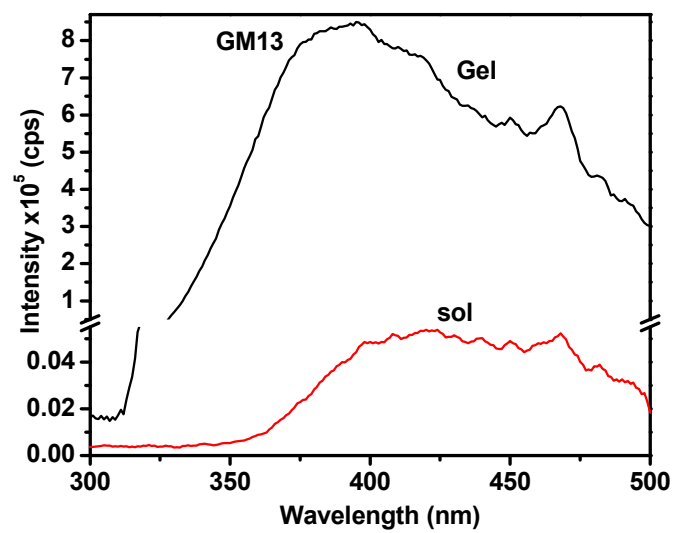
Supplementary Figure 5: Photoluminescence spectra of 2 % (w/v) sol and gel for (a) GM11 & pure G (conc. of G is same for all samples), (b) GM31, (c) GM13 and (d) normalized PL-spectra of GM11, GM31 and GM13 from 2% (w/v) hydrogels [excitation wavelength 256nm].



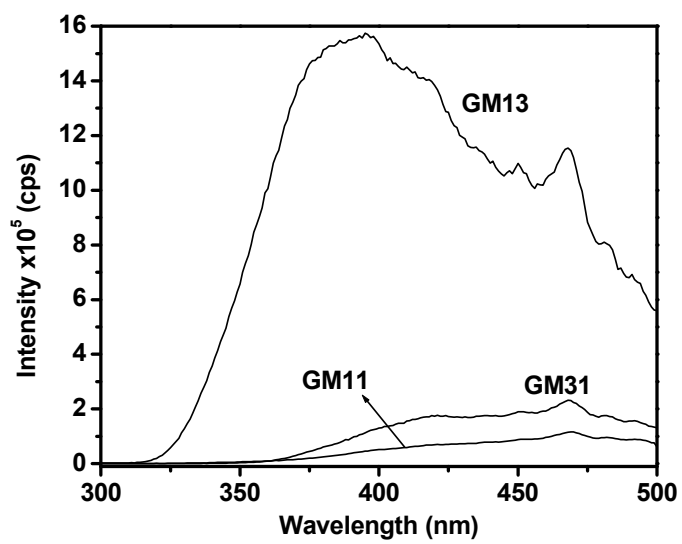
(a)



(b)



(c)



(d)