

Supporting Information

Rheological and Fluorescent Properties of Riboflavin - Poly (N-isopropylacrylamide) Hybrid Hydrogel with a Potentiality of Forming Ag Nanoparticle

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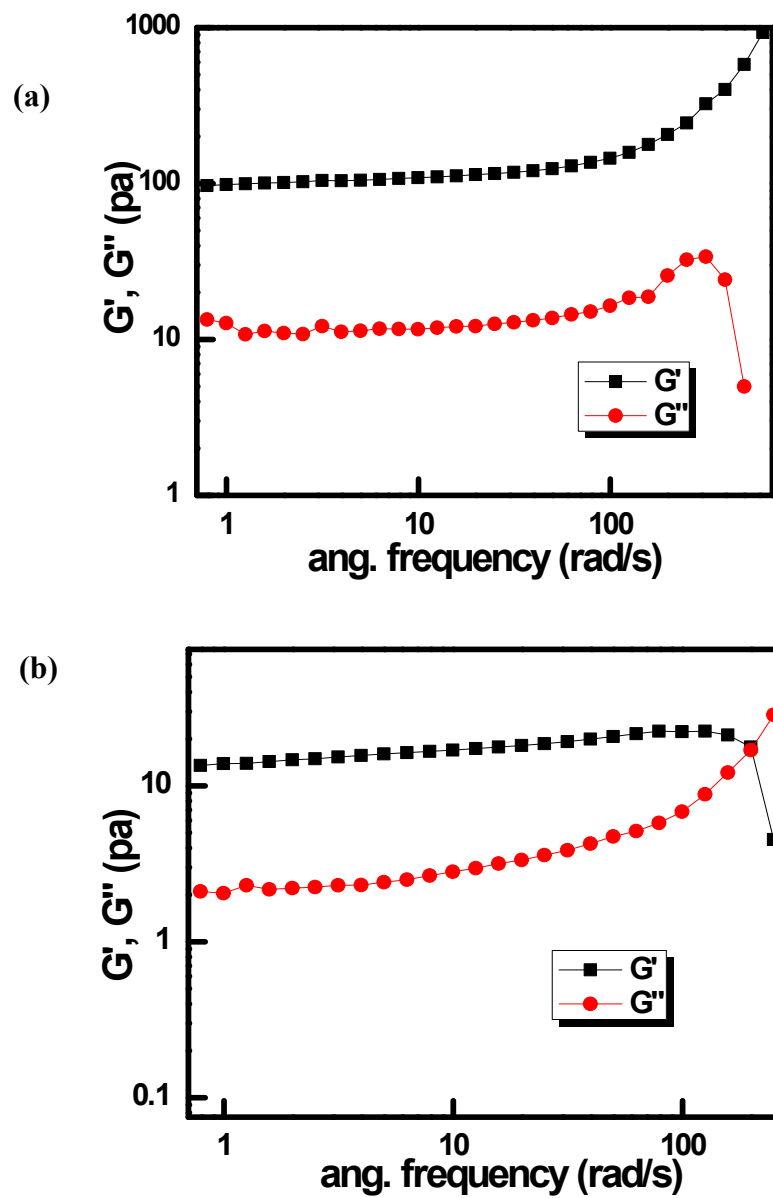


Figure S1. Oscillation frequency dependency of the modulus values

G' and G'' of (a) **R-PNIPAAm2** and (b) **R-PNIPAAm3** gels

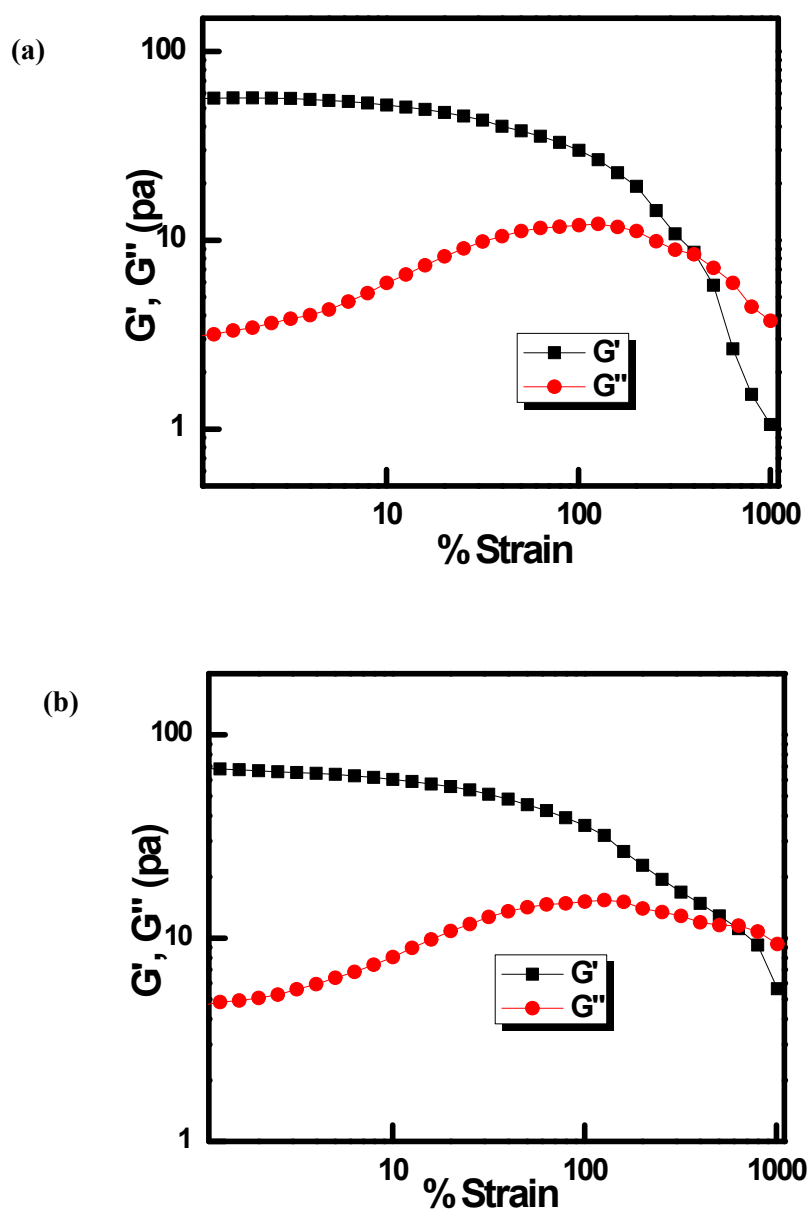


Figure S2 (a) G' and G'' vs % strain plot of **R-PNIPAAm2** gel and (b) **R-PNIPAAm3** gel at a constant frequency of 1 Hz.

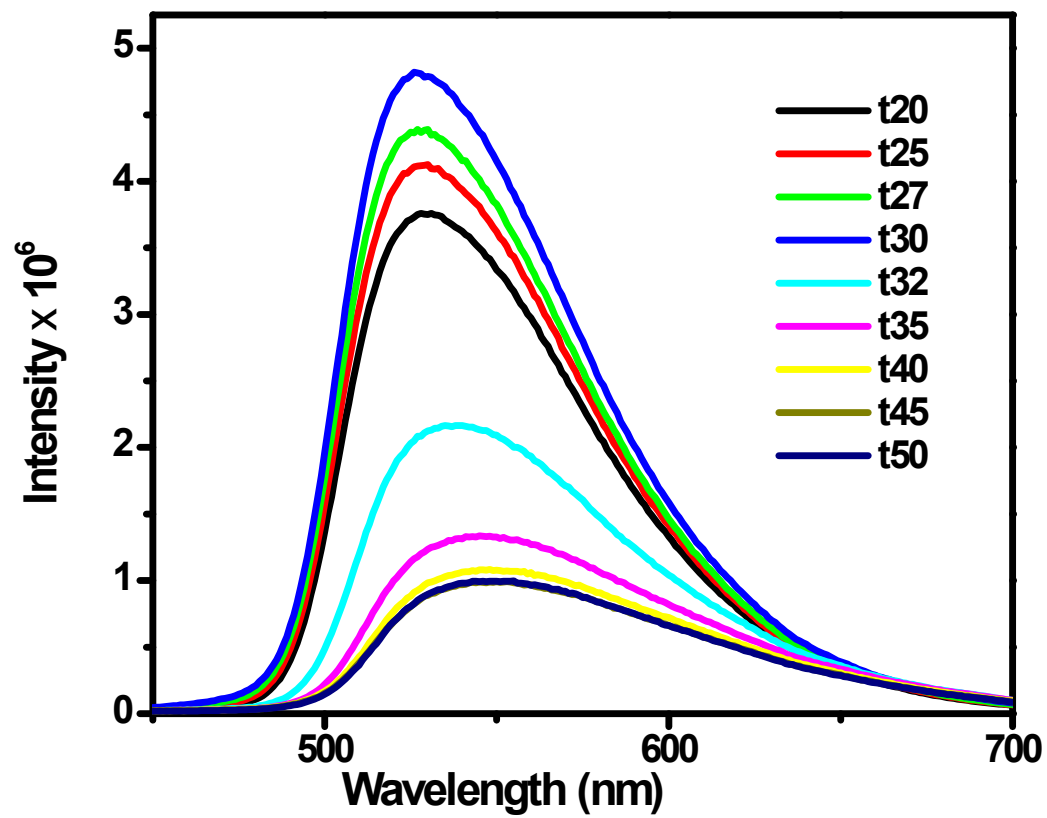


Figure S3. Temperature dependent fluorescence spectra of R-PNIPAAm gel at pH 4.

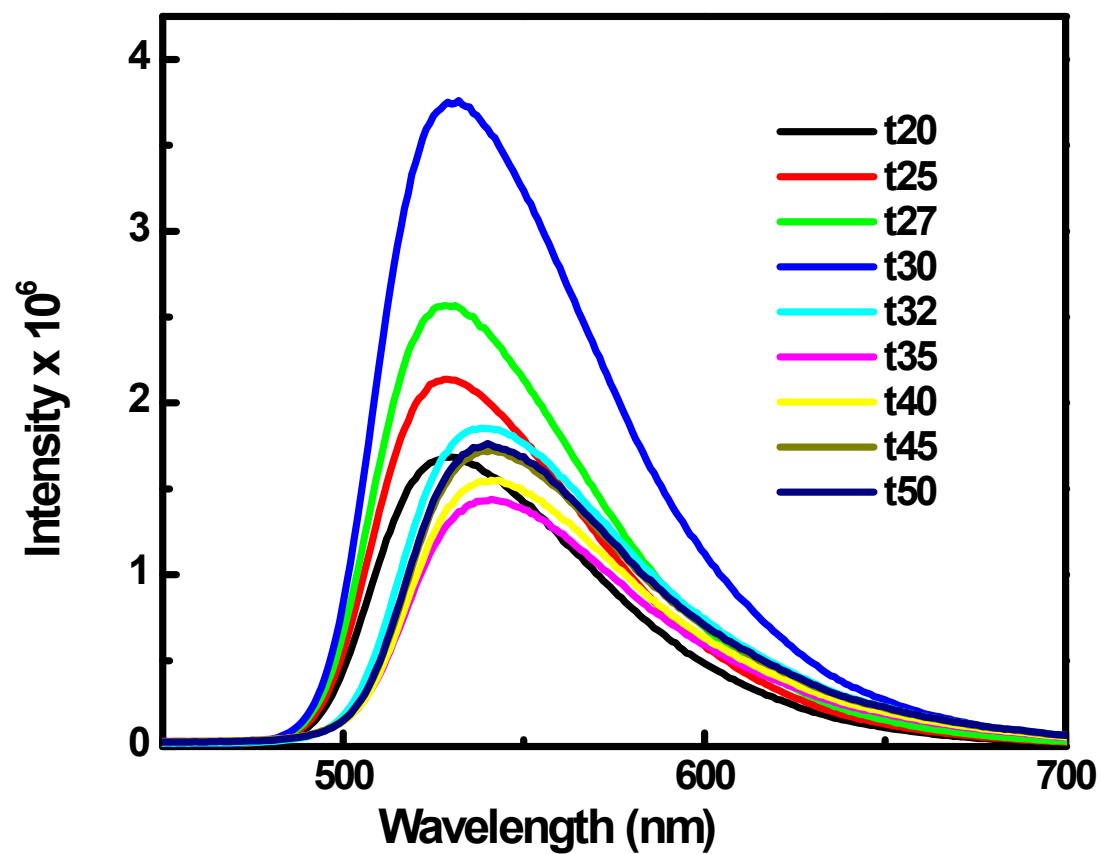


Figure S4. Temperature dependent fluorescence spectra of **R-PNIPAAm** gel at pH 9.2

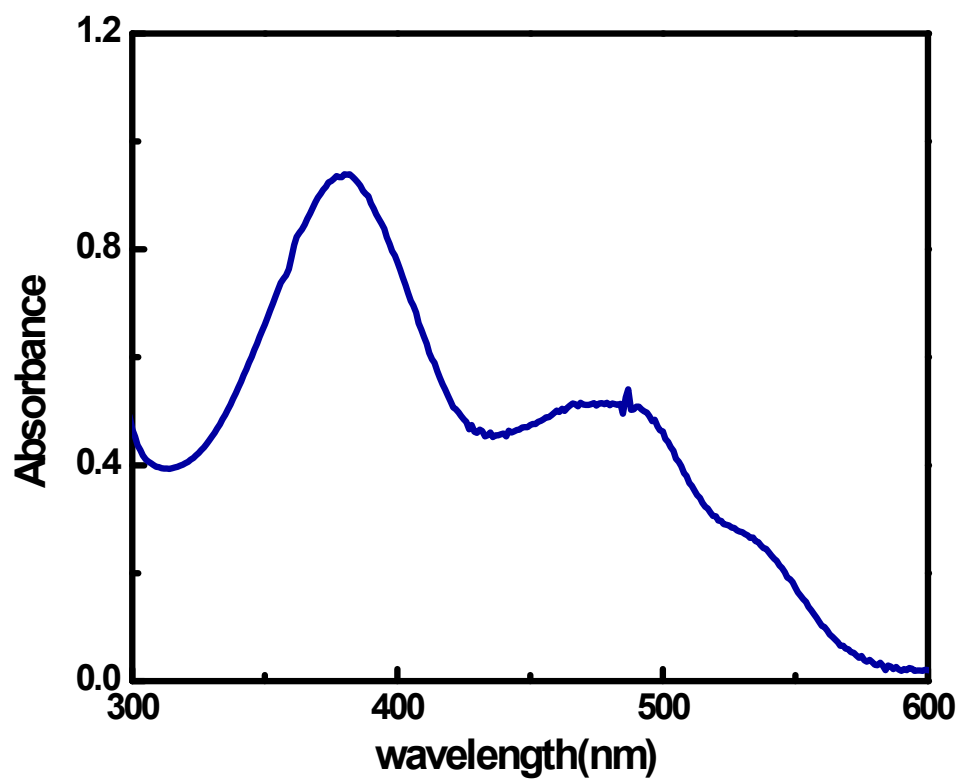


Figure S5. UV-vis spectra of Ag nanoparticle embedded R-PNIPAAm hydrogel

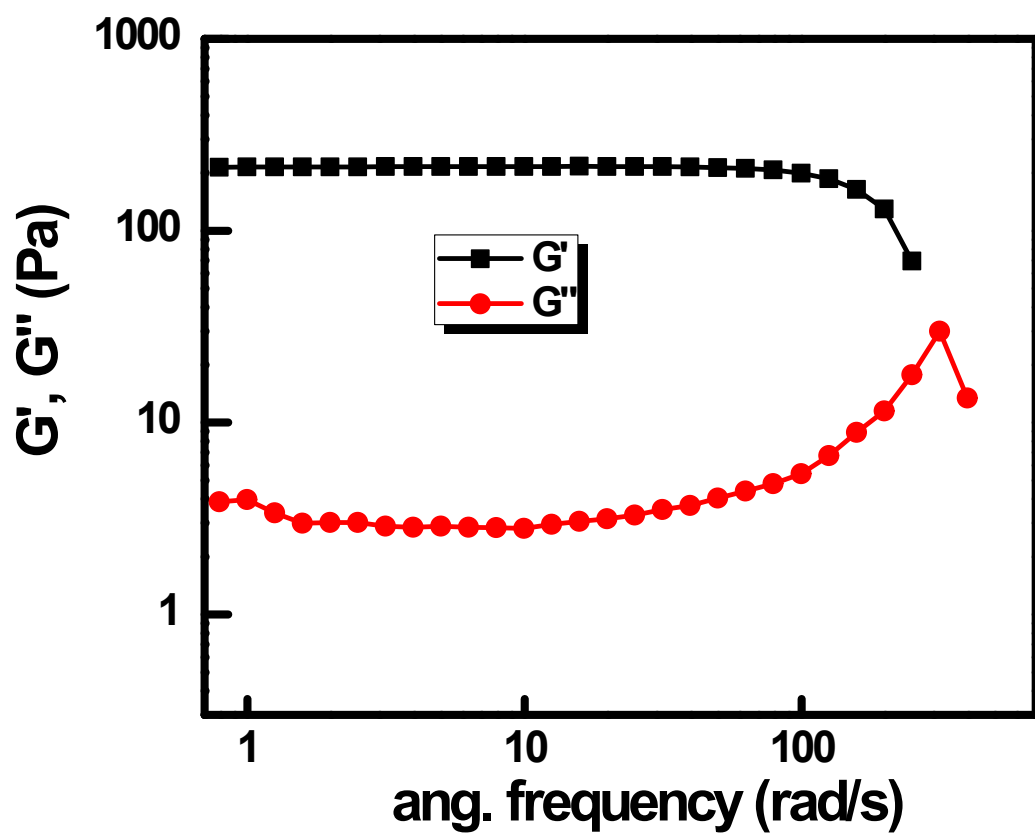


Figure S6. Oscillation frequency dependency of the modulus values G' and G'' of Ag nanoparticle embedded **R-PNIPAAm** gels.

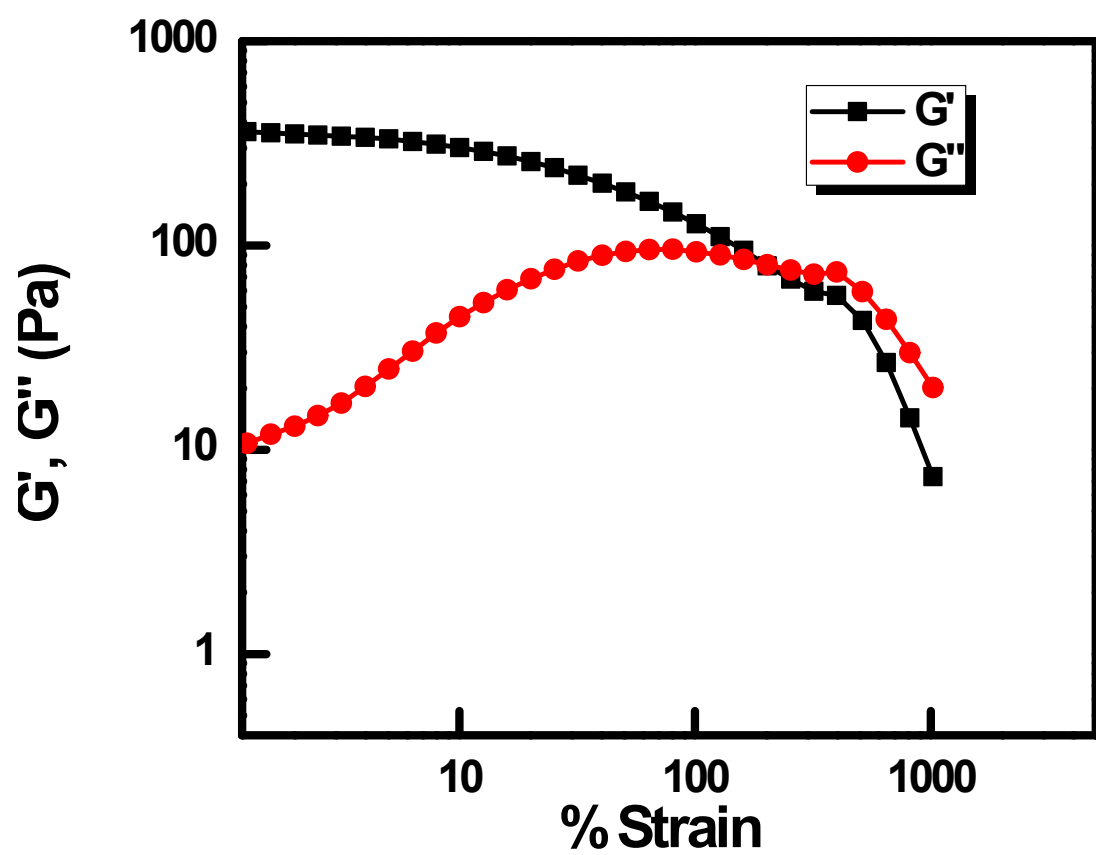


Figure S7. G' and G'' vs % strain plot of nanoparticle embedded R-PNIPAAm gel at a constant frequency of 1 Hz.