

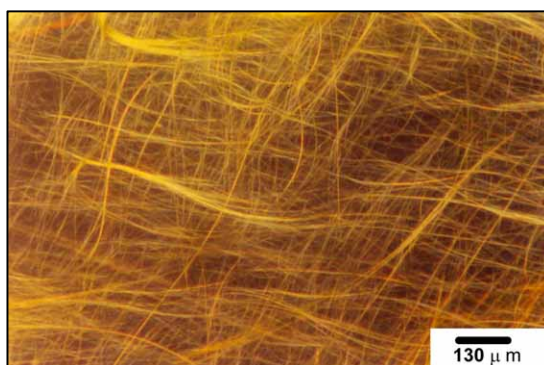
# Supplementary Material (ESI) for Chemical Communications  
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**Supplementary Materials of the Manuscript:**

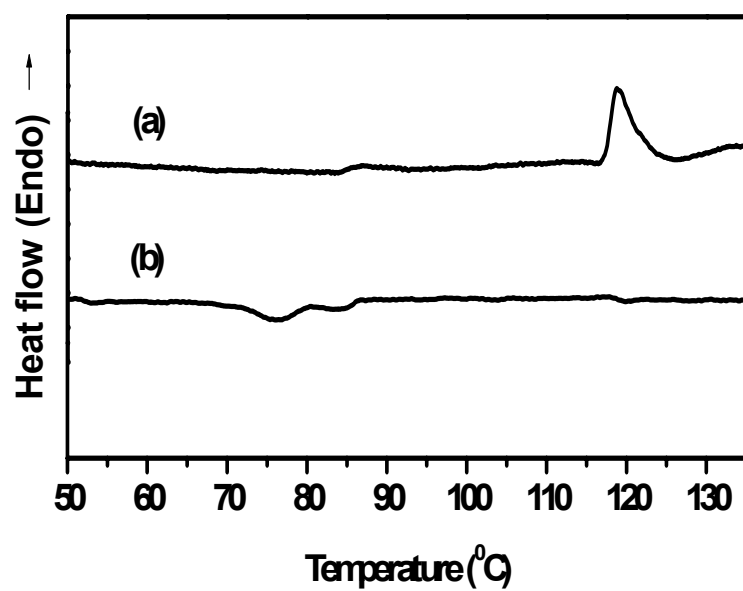
**A two Component Thermoreversible Hydrogel of Riboflavin and Melamine:**

**Enhancement of Photoluminescence in the Gel form**

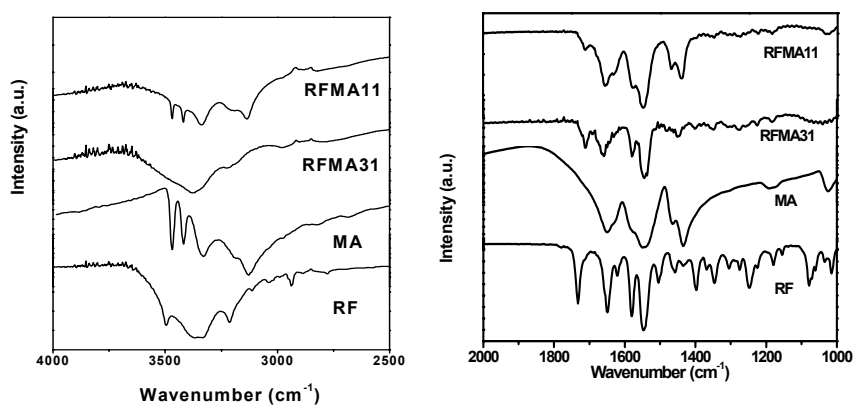
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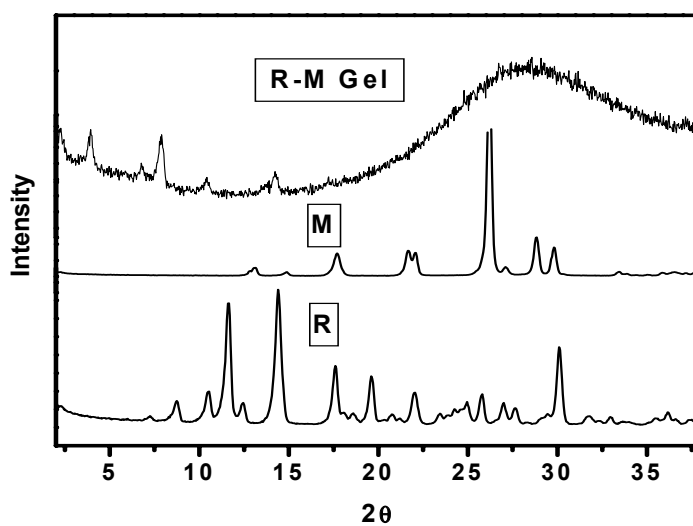
**Supplementary Figure S1:** Optical micrograph of riboflavin – melamine (3 :1 mole ratio) hydrogel (0.5 %w/v) under crossed polariser.



**Supplementary Figure S2:** DSC thermograms of riboflavin – melamine (3 :1 mole ratio) hydrogel for 0.5%(w/v) (a) Heating at 10<sup>0</sup>/min (b) Cooling at 5<sup>0</sup>/ min.



**Supplementary Figure S3:** FTIR spectra of R-M complexes (1:1 and 1:3 molar ratio) and pure components.



**Supplementary Figure S4:** Comparison of WAXS patterns of riboflavin (R), melamine (M) and riboflavin -melamine (R-M)( 3:1 mole ratio) hydrogel (0.5% w/v).