

Silk Fibroin Gelation via Non-Solvent Induced Phase Separation

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Supplementary results

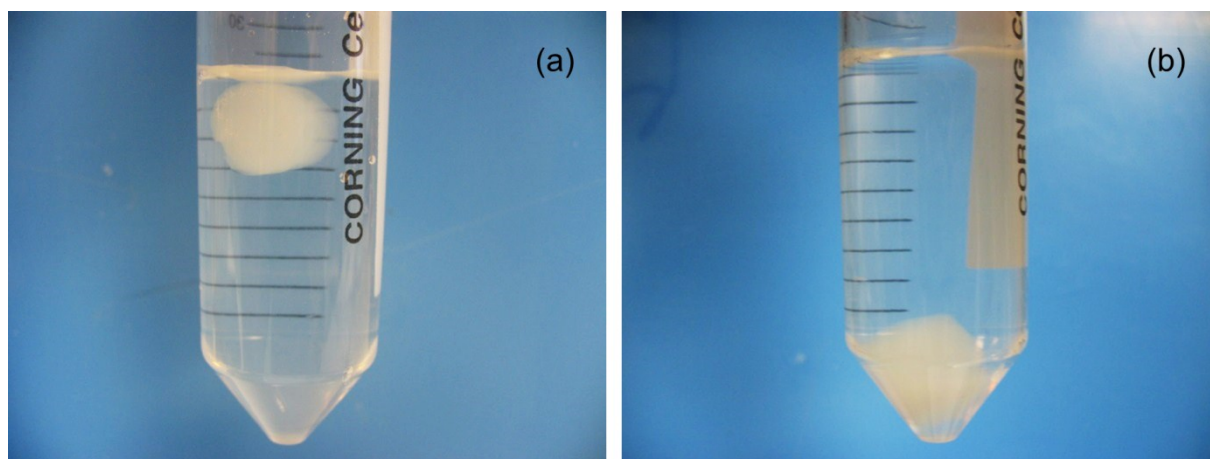


Figure S1. Removal of methanol: The removal of methanol from the freshly formed hydrogels was done by repeated washing with water. The initially floating hydrogel was gradually settled down as the methanol was completely removed.

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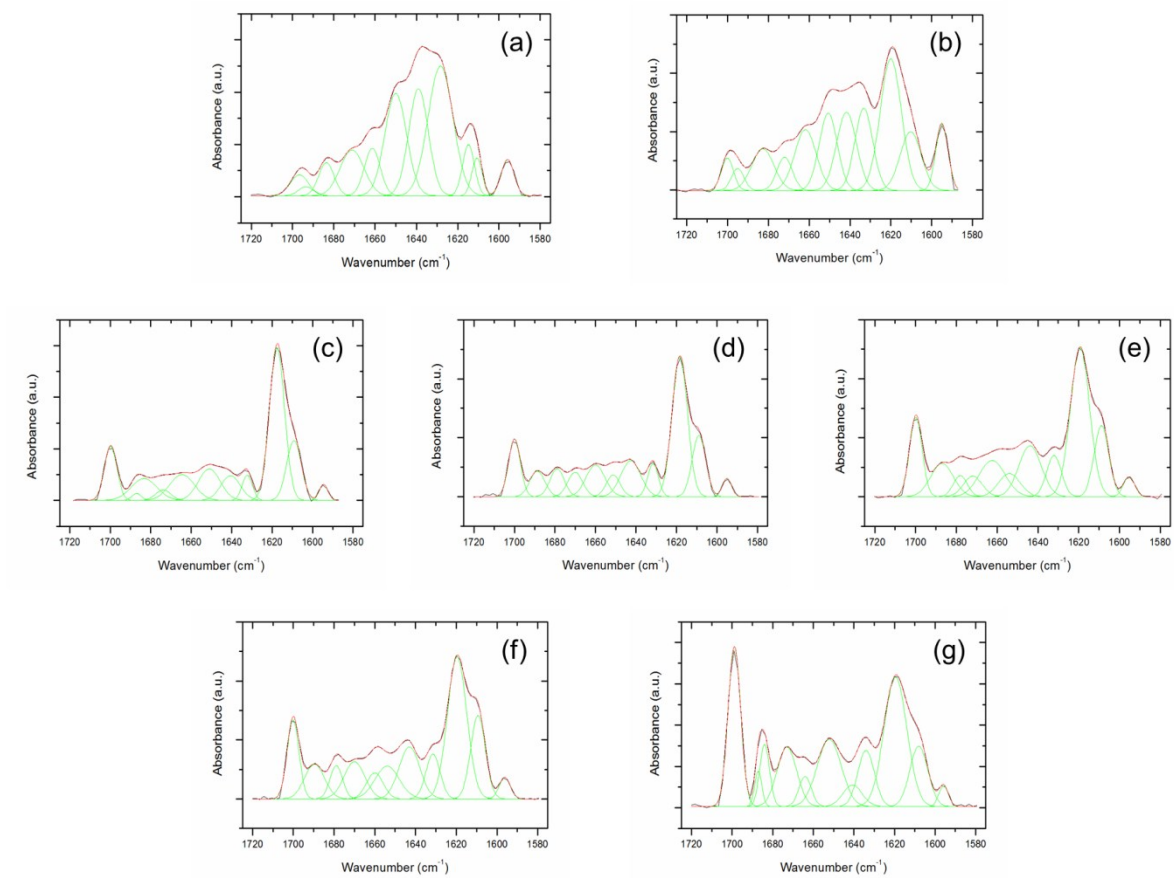


Figure S2. Fourier self-deconvolution: The FSD spectra of amide I region of the pure RSF (a), the freeze-dried gels prepared from 2.5% w/v RSF with methanol in the range of 5% (b), 12.5% (c), 25% (d), 37.5% (e) and 50% (f), and the pure fibroin fiber (g). The R^2 in all the cases was > 0.99 .

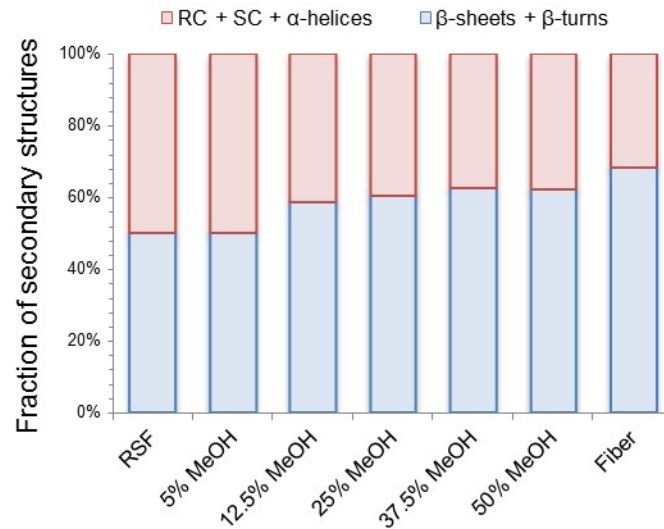


Figure S3. Fourier self-deconvolution: The collective fraction of the less-ordered vs ordered secondary structural components in the freeze-dried gels prepared from RSF mixed with varying methanol content, pure RSF and fiber, as determined from the FSD spectra of amide I region of respective samples.