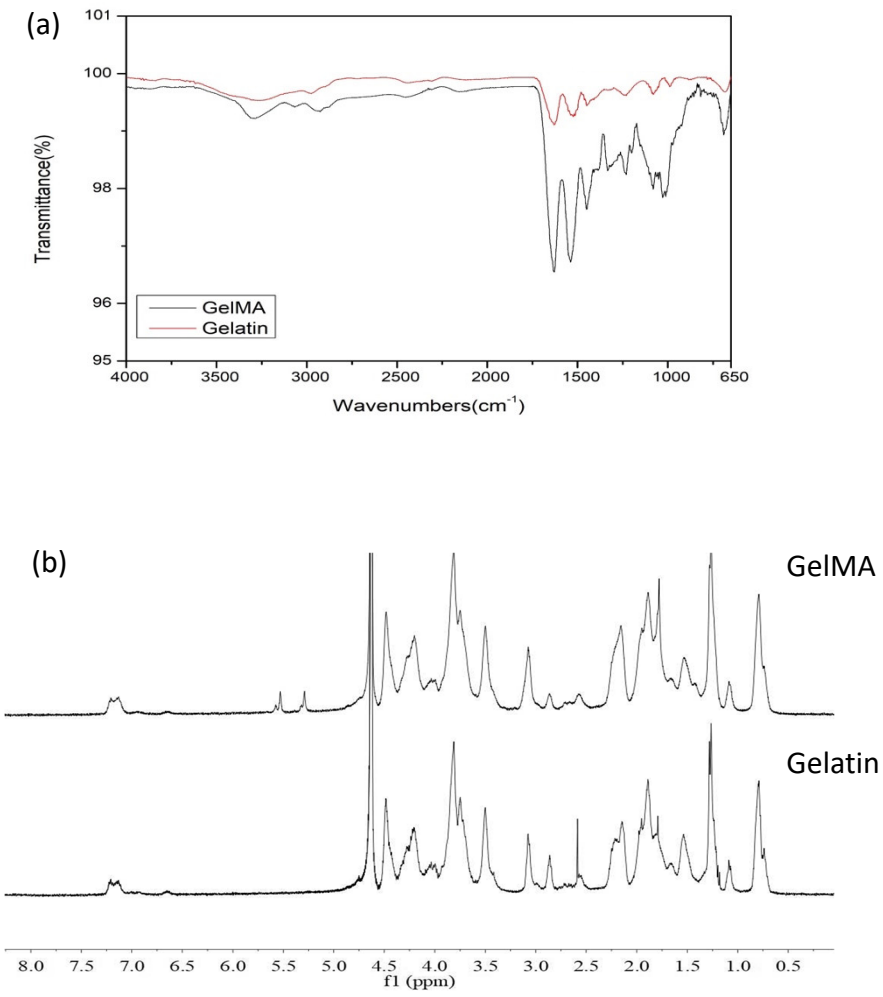
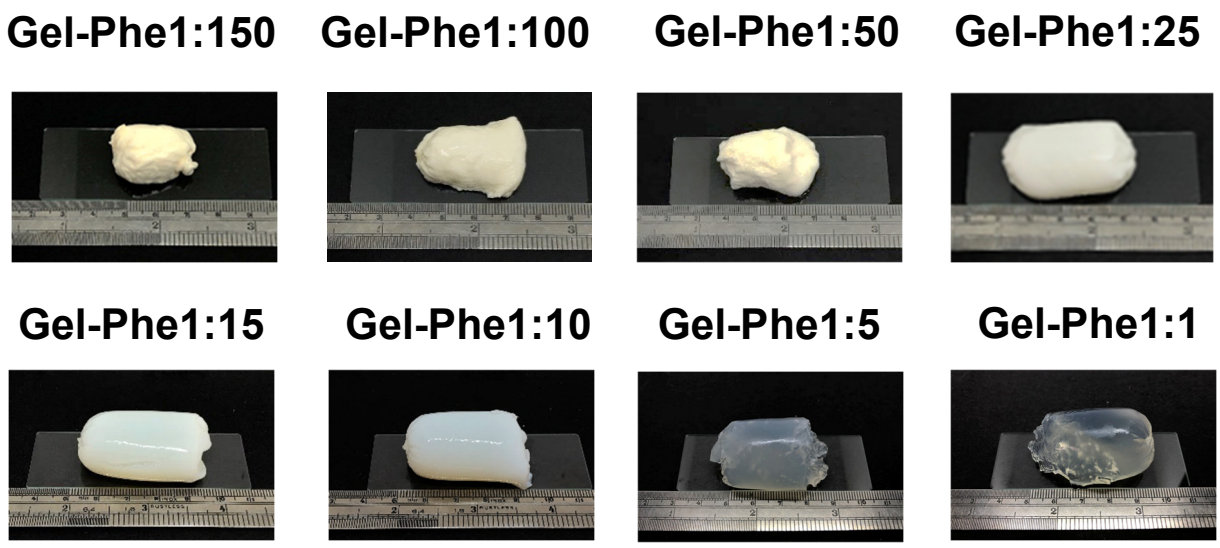
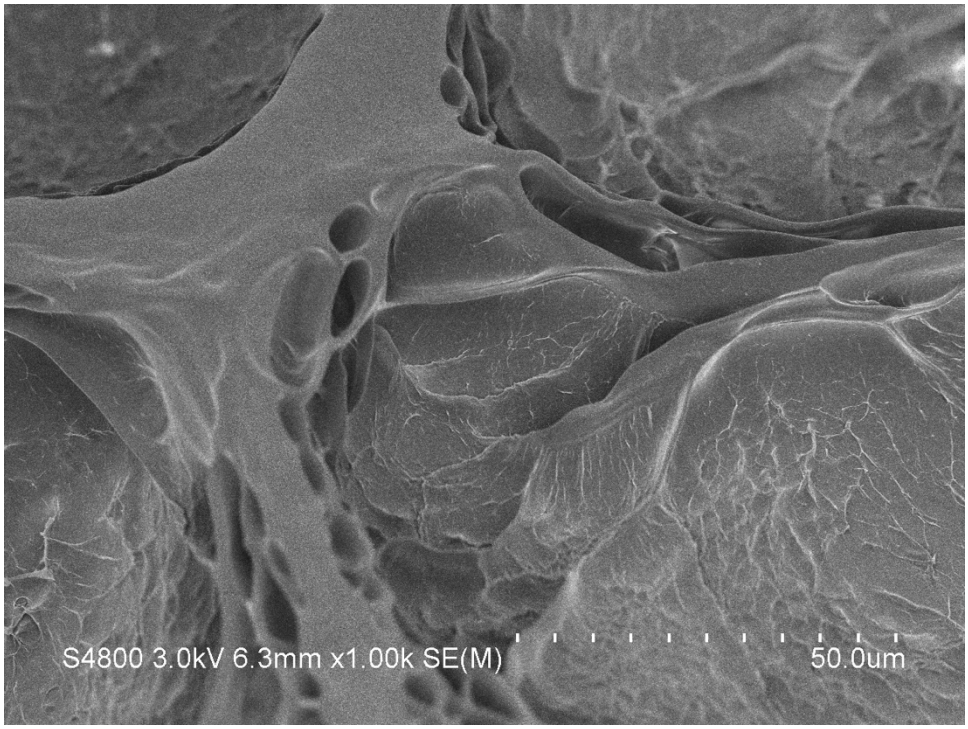
Supporting Information



Supporting Figure S1. (a) FTIR spectrum of GelMA and gelatin polymers showing characteristic relative peaks of functional groups. (b) ^{1}H-NMR spectrum of GelMA and gelatin polymers, confirming the chemical modification of gelatin backbones with methacrylic anhydride.



Supporting Figure S2. The morphology of Gel-Phe hydrogels synthesized with different G/P ratios after dialysis process at room temperature.



Supporting Figure S3. The SEM morphology of GelMA hydrogels without the addition of Gel-Phe after exposing with 60s of UV light..