

Electronic Supplementary Material (ESI) for New Journal of Chemistry

**Physico mechanical properties of Mg and Ag doped hydroxyapatite/chitosan
biocomposites**

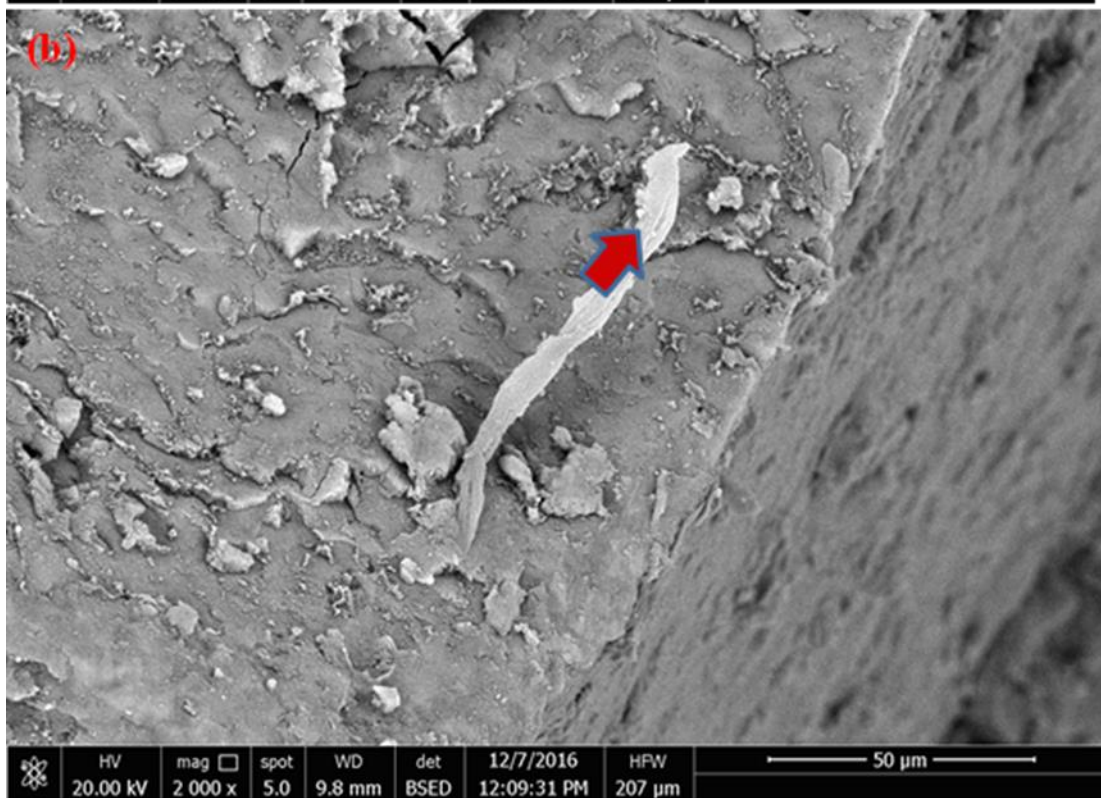
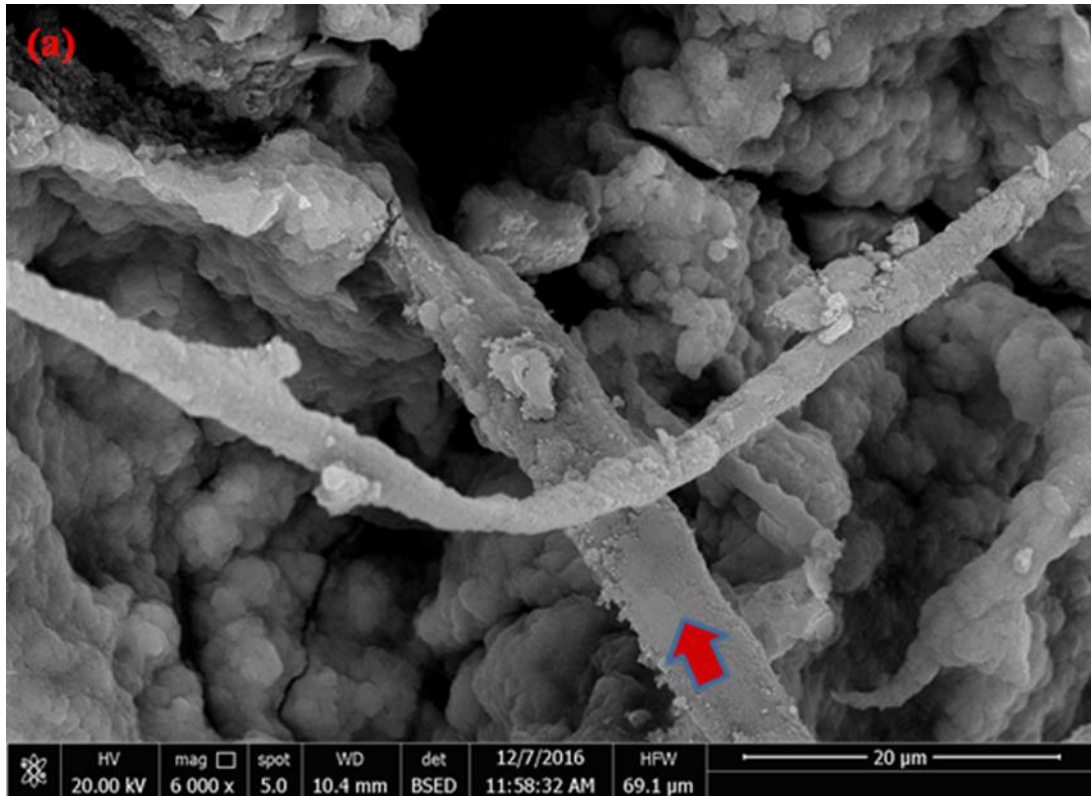
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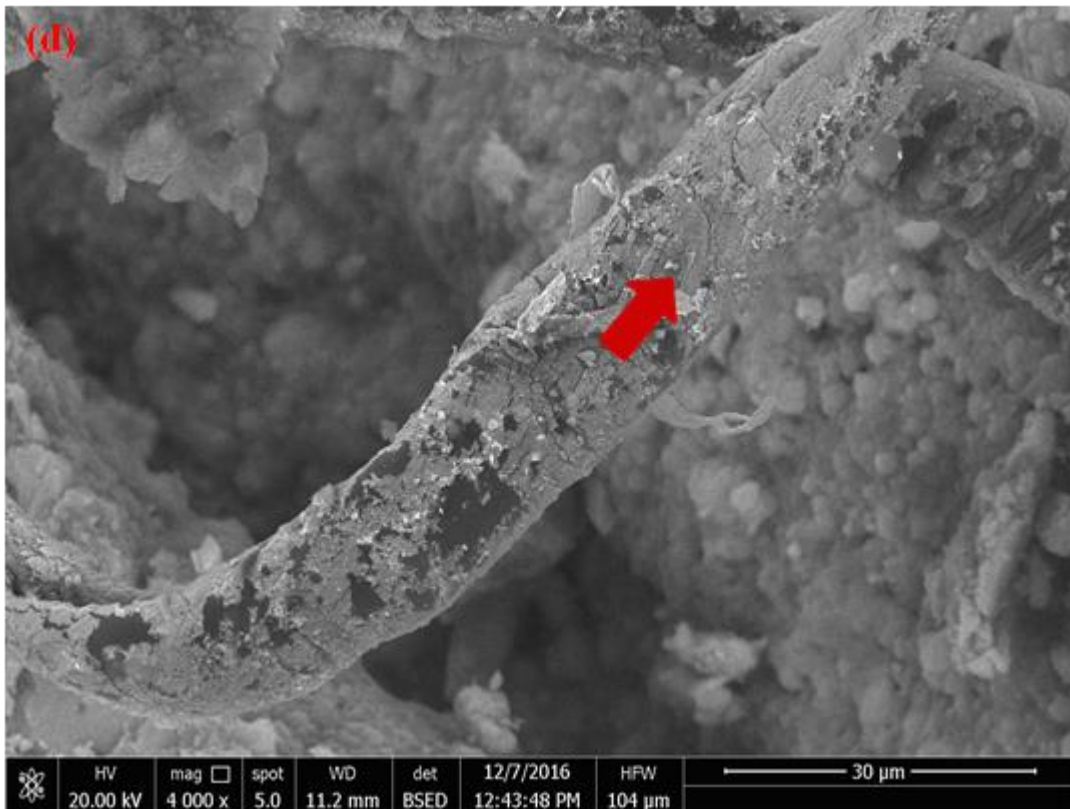
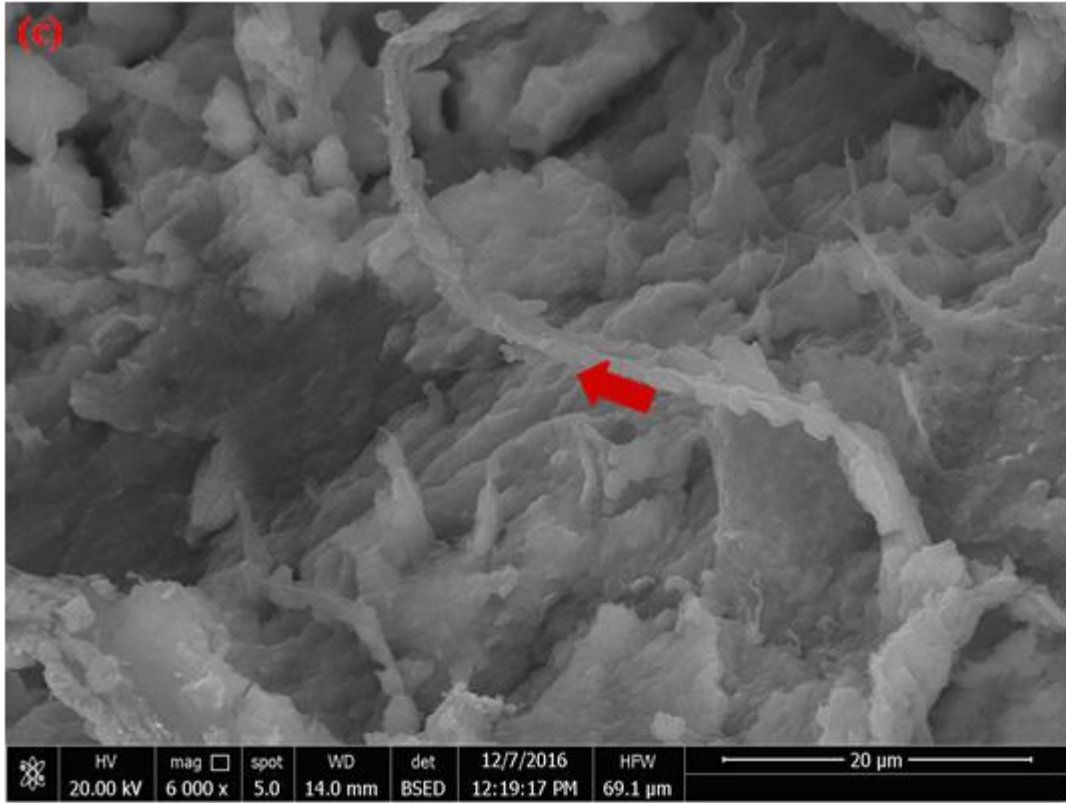
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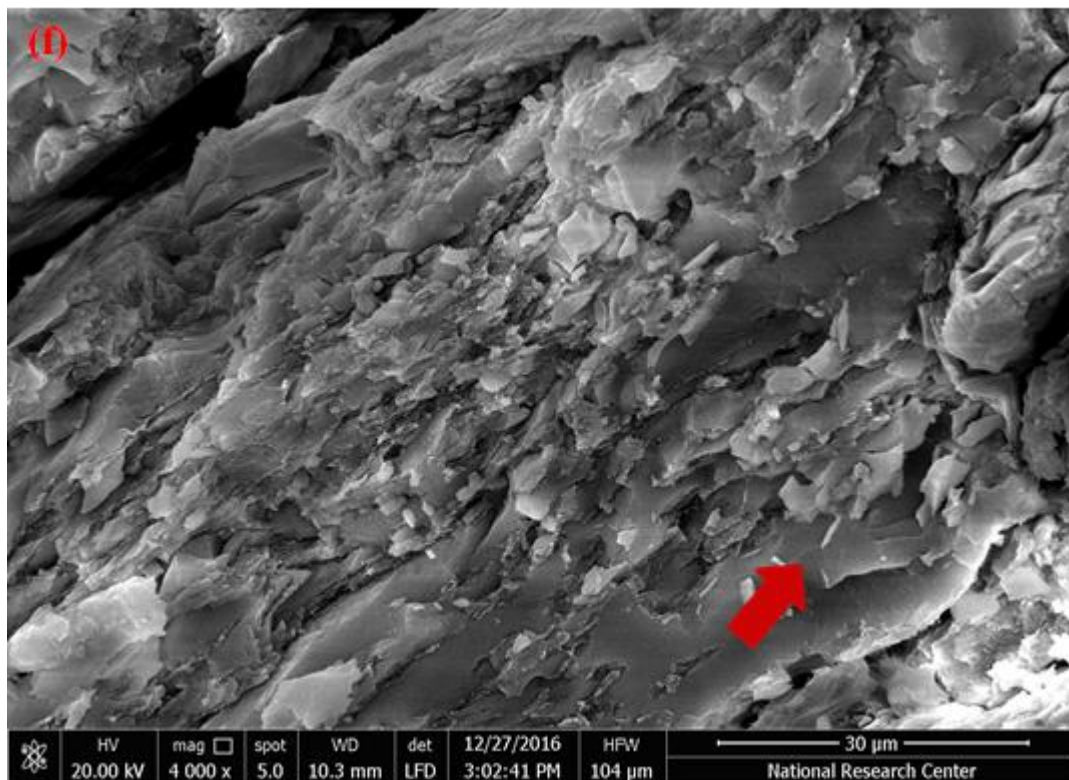
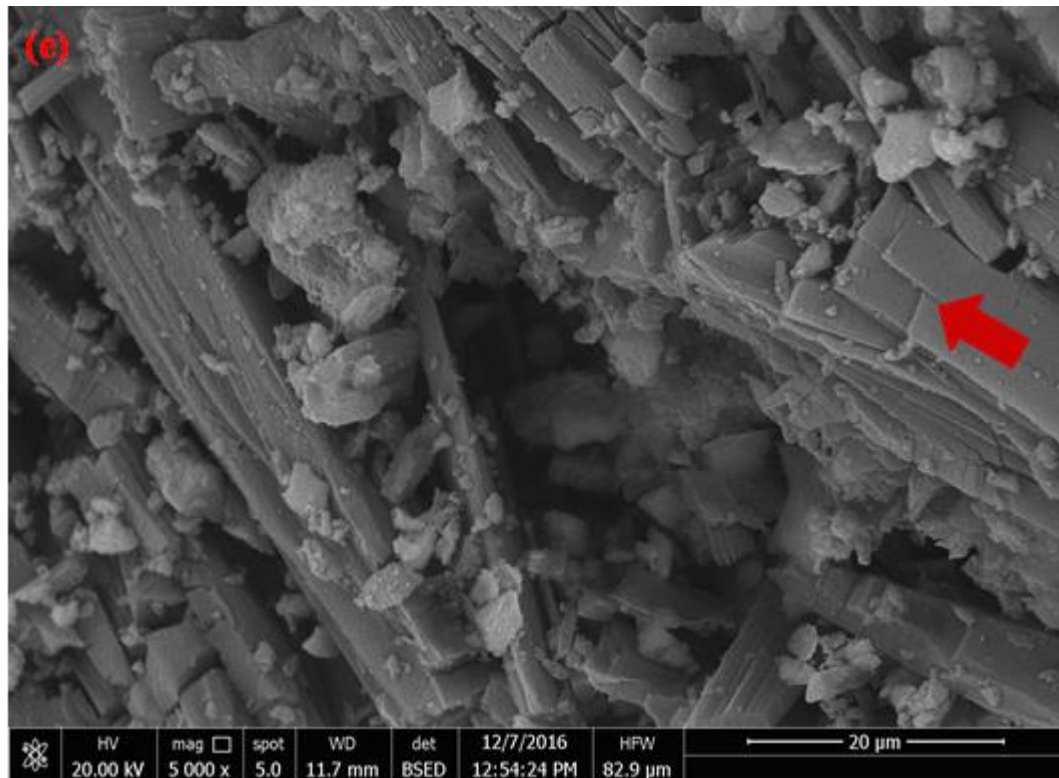
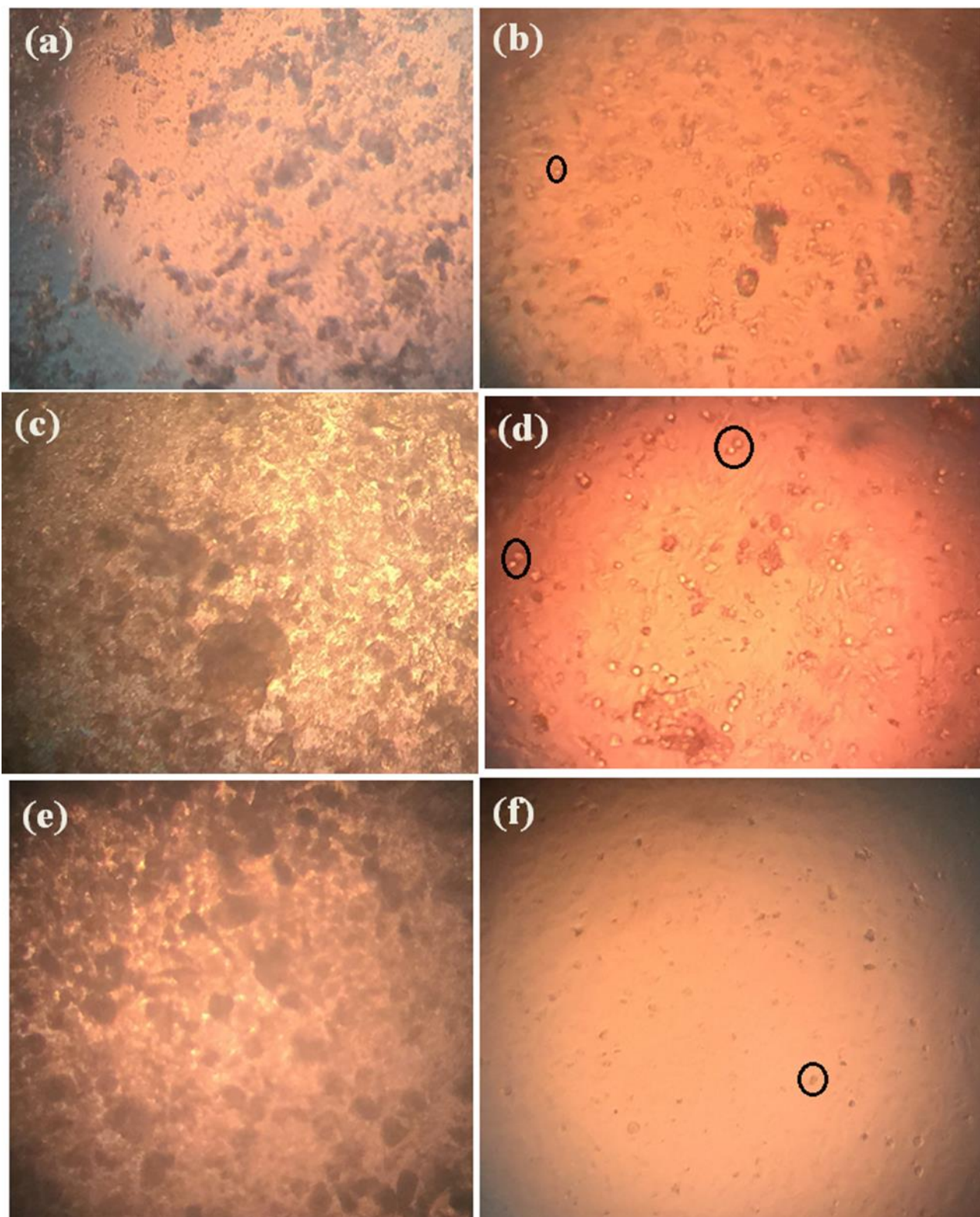


Fig. S1 FESEM micrographs of Mg-Ag-HAP/CS nanocomposites at different (Mg, Ag) concentrations. (a) (0.0, 0.0), (b) (0.5, 0.0), (c) (1.0, 0.0), (d) (0.0, 1.0), (e) (0.5, 0.3) and (f) (0.8, 0.2), respectively, the red arrow indicates CS fibers.



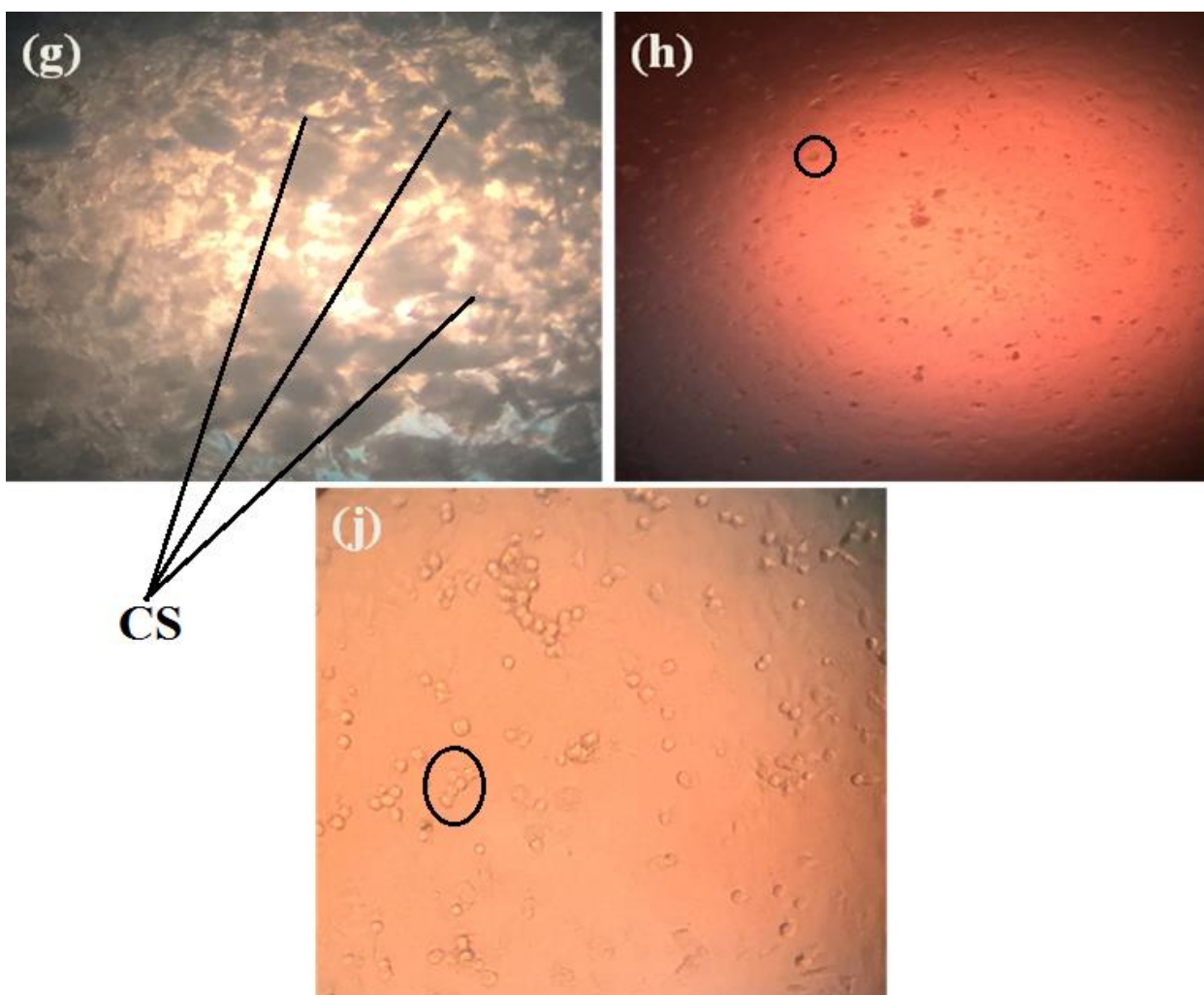


Fig. S2 Optical microscope images of fibroblast cells above the IC_{50} using a constant concentration of 10 mg/mL of nanocomposite where (a), (c), (e), (g) represent (Mg, Ag) contents of (0.0, 0.0), (1.0, 0.0), (0.0, 1.0), (0.8, 0.2), respectively. The images (b), (d), (f), (h) represent the same cell line, below the IC_{50} using the same concentration (0.0, 0.0), (1.0, 0.0), (0.0, 1.0), (0.8, 0.2), the control cell line shown (j). The black circle indicates the living cells.