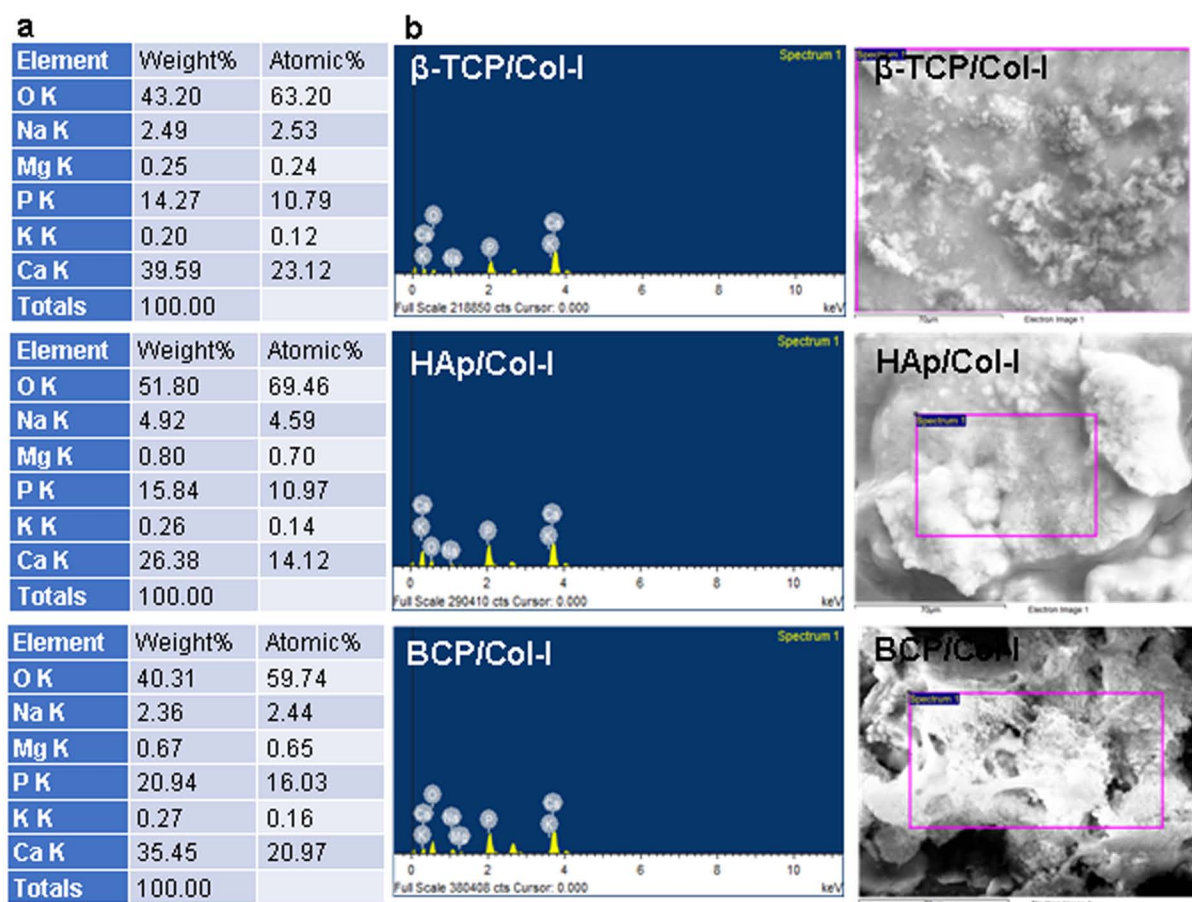


**Fig. S1.** Original FTIR spectra of CP nanomaterials synthesized at pH 8, 9 and 11 respectively.



**Fig. S2** (a,b). EDAX and FE-SEM of CP/Col-I scaffolds after 32 days of incubation; a) atomic % and weight % elemental present in the newly formed apatite, b) EDAX spectra and FE-SEM micrographs.