

Figure 1. XRD spectra of uncalcined bones. Broad peaks suggest presence of some poorly crystalline HAp.



Fig. 2 SEM of uncalcined, dried cod bones at a) 20K and b) 10 K magnification. The unfired bones are porous, containing micron-scale cracks and nanoscale pores, and have no apparent grain structure.



Fig. 3 SEM of sample Ti3.



Figure 4. Methylene blue decomposition under UV light irradiation for samples (a) Ca3; (b) Ti3.