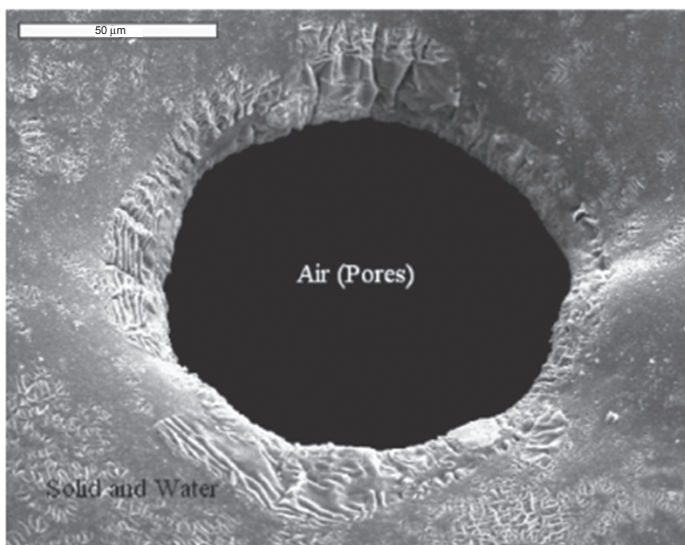


**Fig. 15.** Confocal Laser Scanning Microscopy images of HEMA-AGE hydrogels in hydrated (a) and dried (b) states with the distribution of pore size (c) and wall thickness (d) (Savina et al. 2011).



**Fig. 16.** Hydrogel is a composite formed by polymeric solid component, water and air.