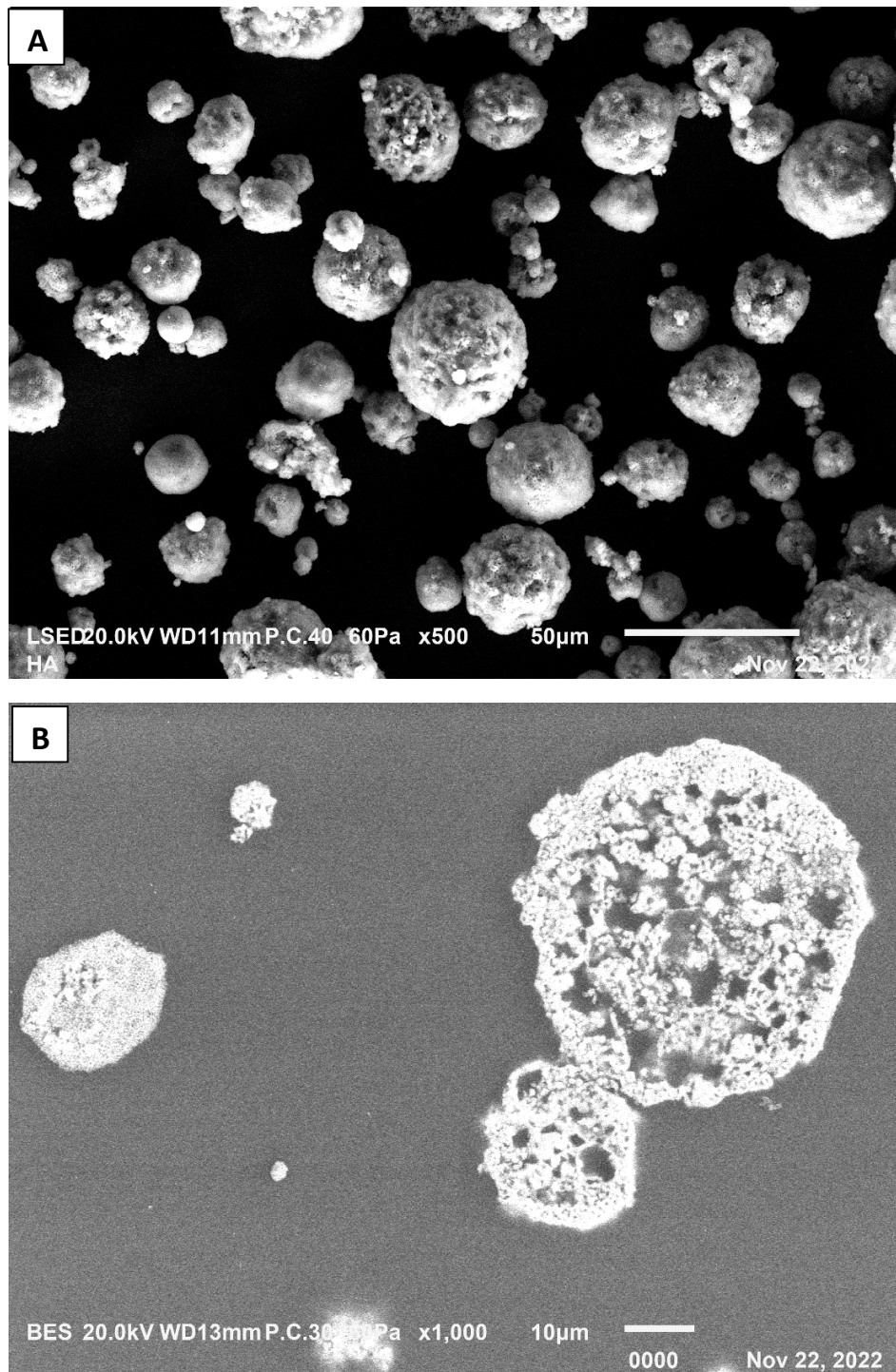
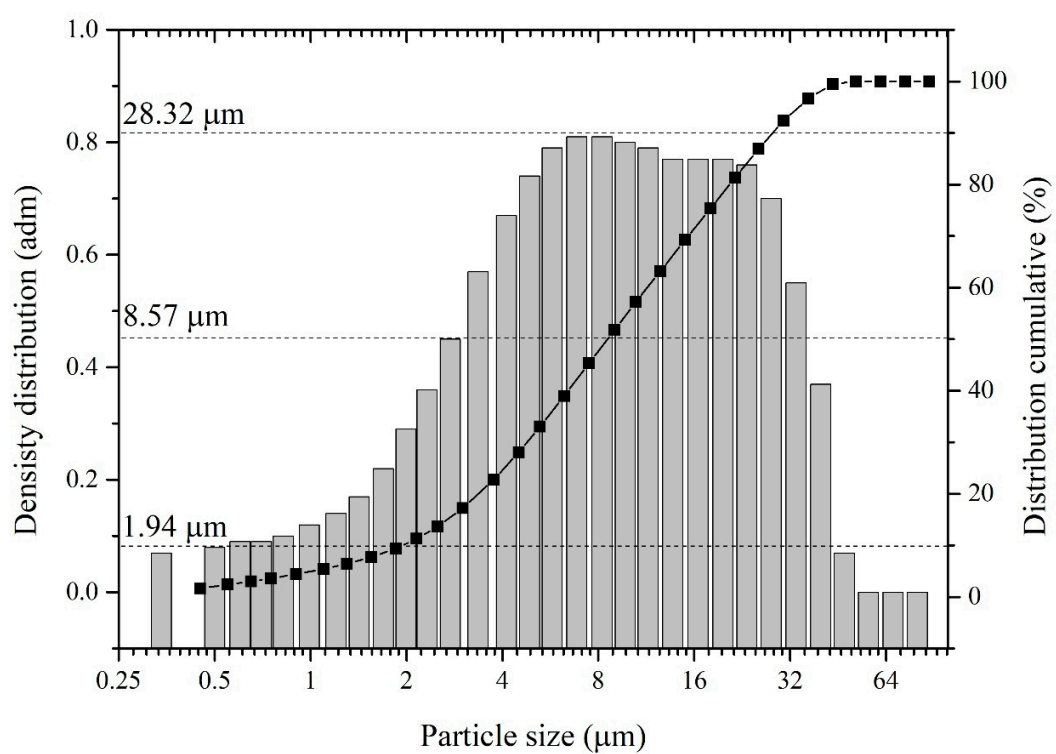


Supplementary material



**Figure S1.** SEM images about morphology of BHAp particles. (A) General view of the BHAp powder; (B) cross-sectional view of BHAp particles showing that are spherical and agglomerated.



**Figure S2.** Experimental particle size distribution of BHAp powders.

**Table S1.** Heights of the footprints measured by profilometry.

Nozzle	SoD (mm)	Maximun high (μm)	Average high (μm)
Conventional	10	26.03	3.82
	20	54.82	6.28
	30	16.95	3.96
Modified	10	14.17	2.85
	20	40.63	5.64
	30	12.79	4.08