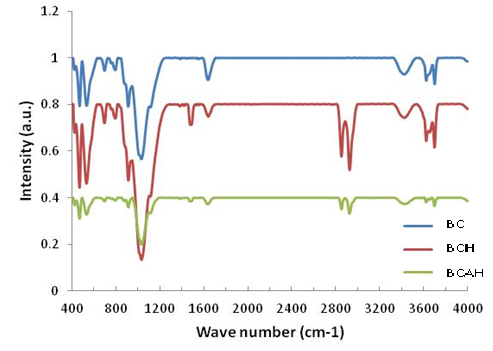
**Supplementary Materials**



(a)

(b)

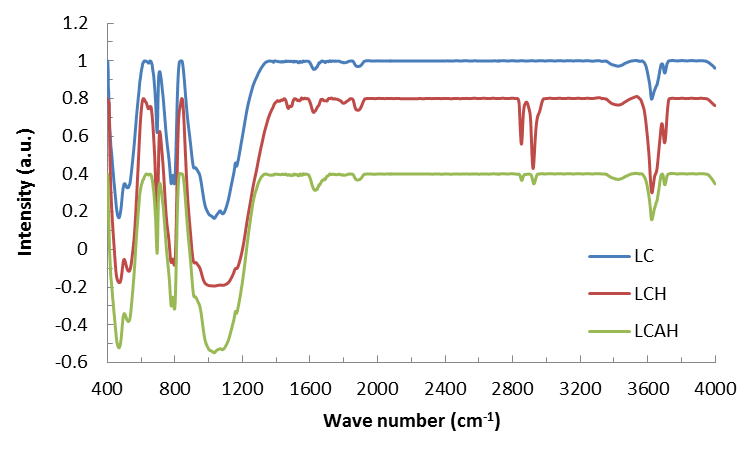
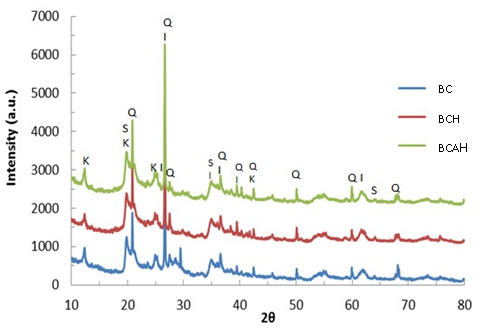
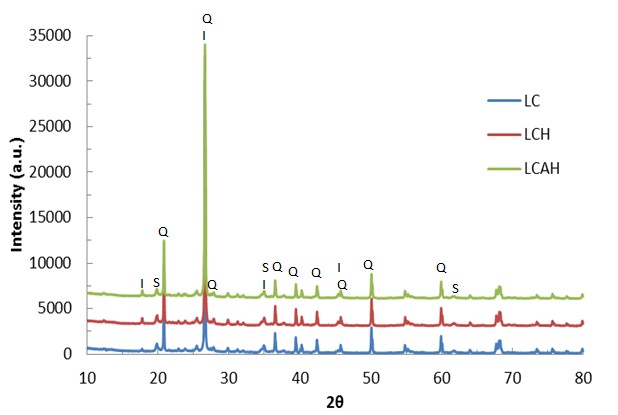


Figure S1. FT-IR spectra of (a) bentonite and modified bentonite and (b) local and modified local clay samples [21].

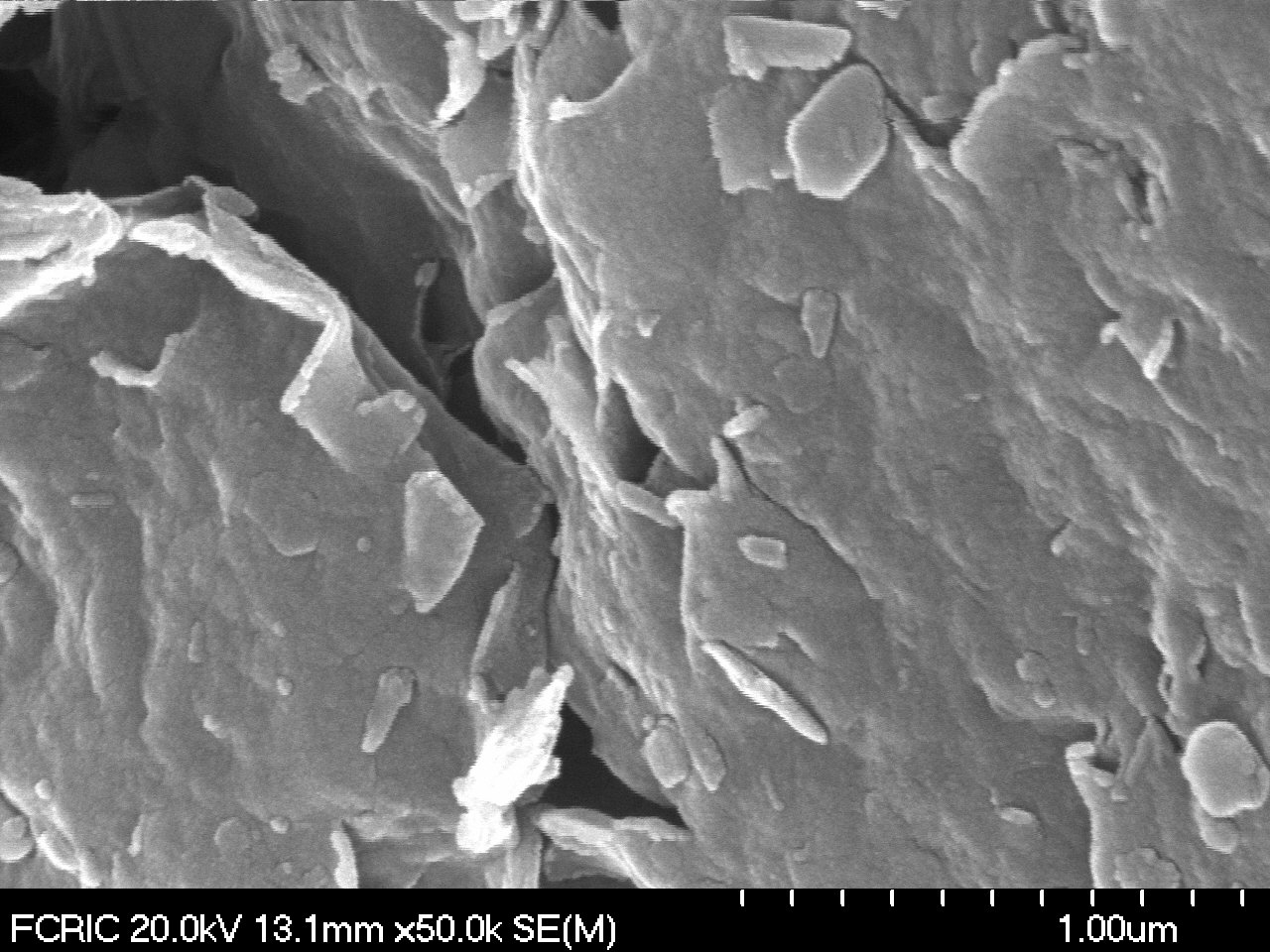
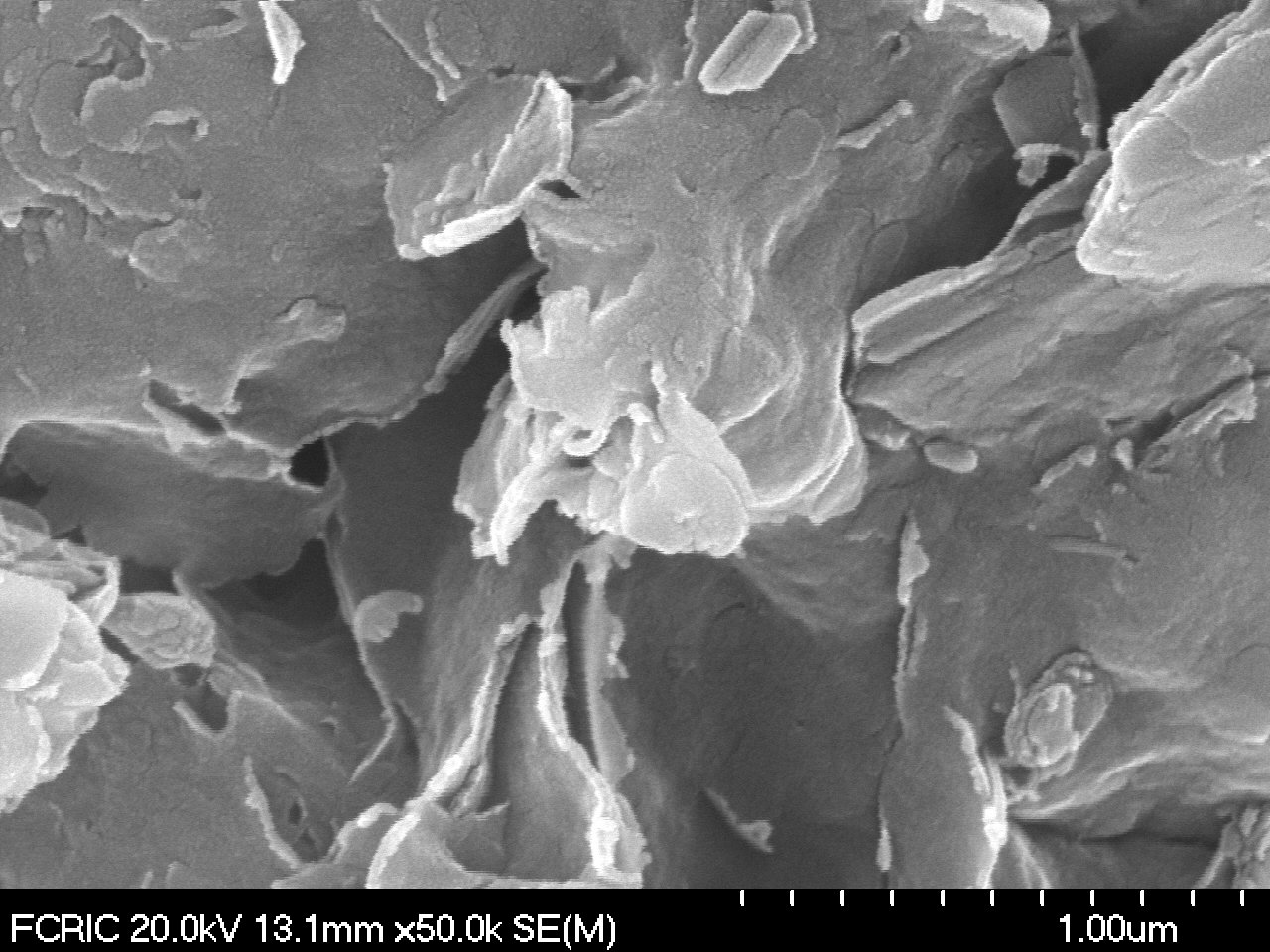


(a)



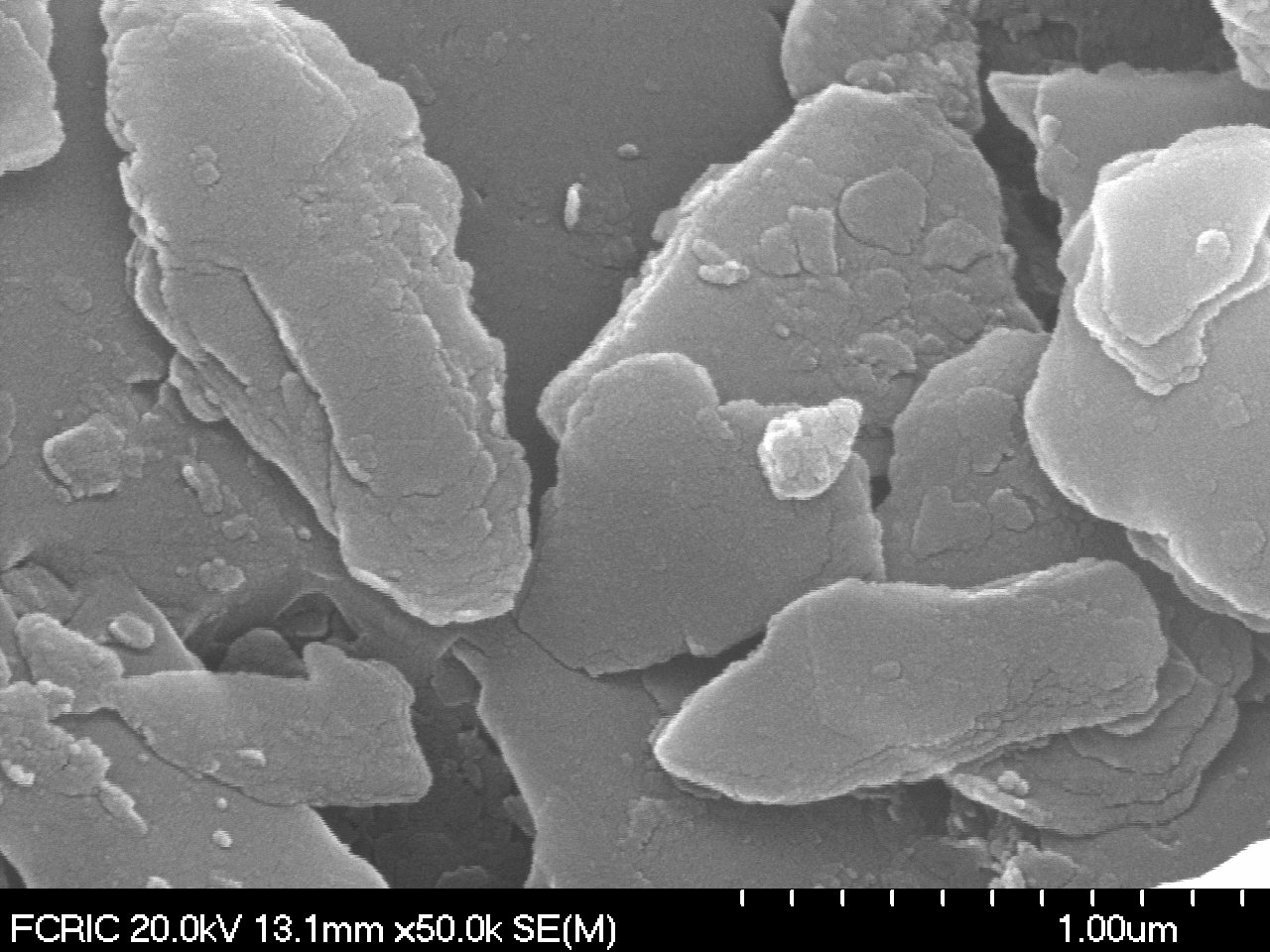
(b)

Figure S2. X-ray diffraction pattern of (a) bentonite and modified bentonite and (b) local clay and modified local clay samples. [S: Smectite; K: Kaolinite; Q: Quartz] [21].

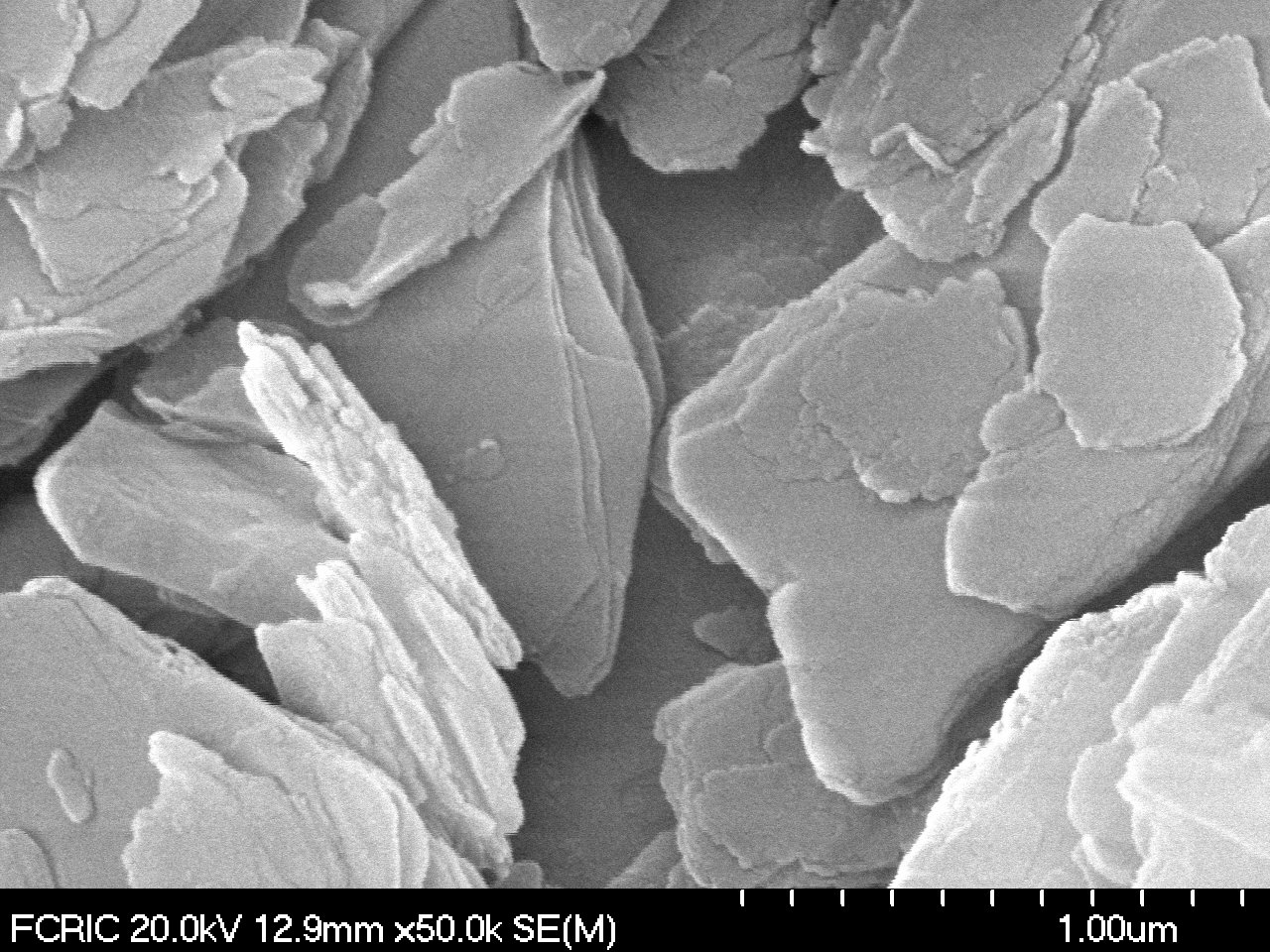
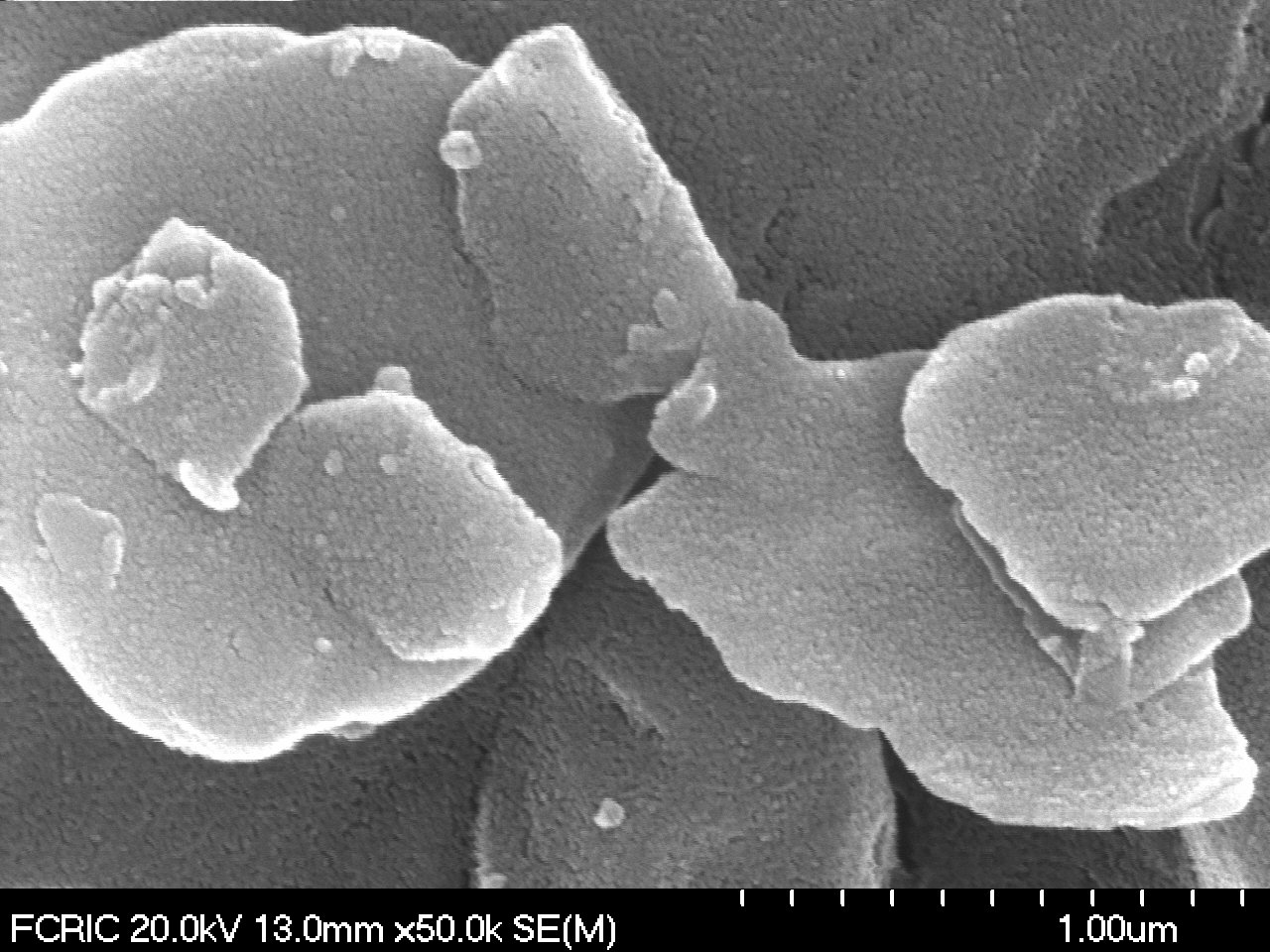
(b)

(a)

(d)

(c)

(f)

(e)

Figure S3. SEM images of (a) BC; (b) BCH; (c) BCAH; (d) LC; (e) LCH; and (f) LCAH solids [21].