

3. Figure 3

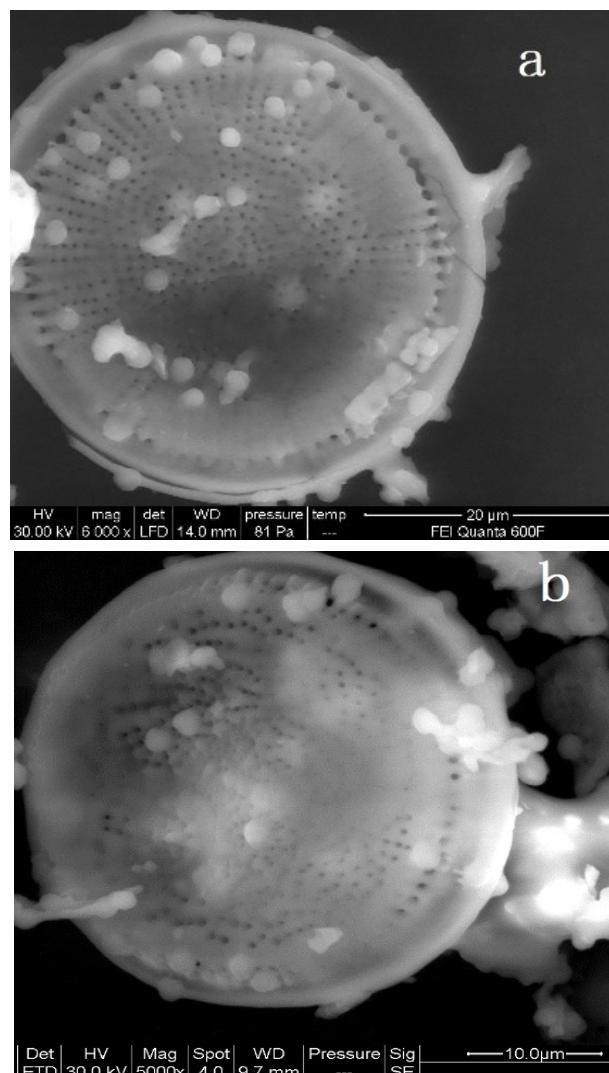


Fig. 3 SEM image of (a) raw diatomite and (b) glucose modified diatomite.

4. Figure 4

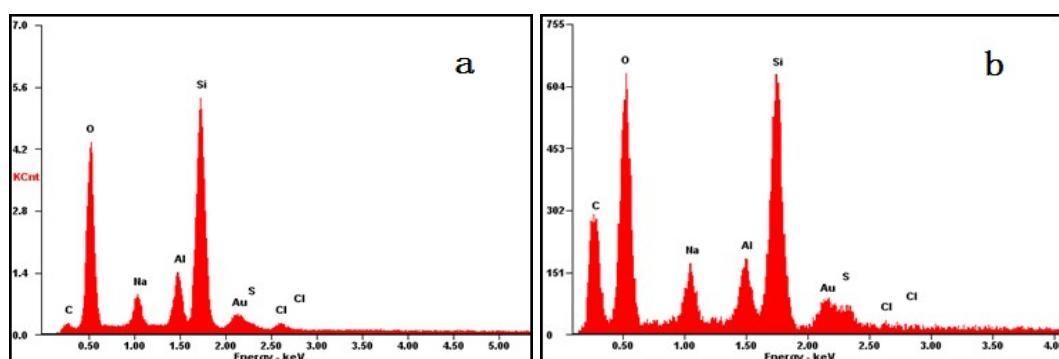


Fig. 4 EDS image of (a) raw diatomite and (b) glucose modified diatomite.

5. Figure 5

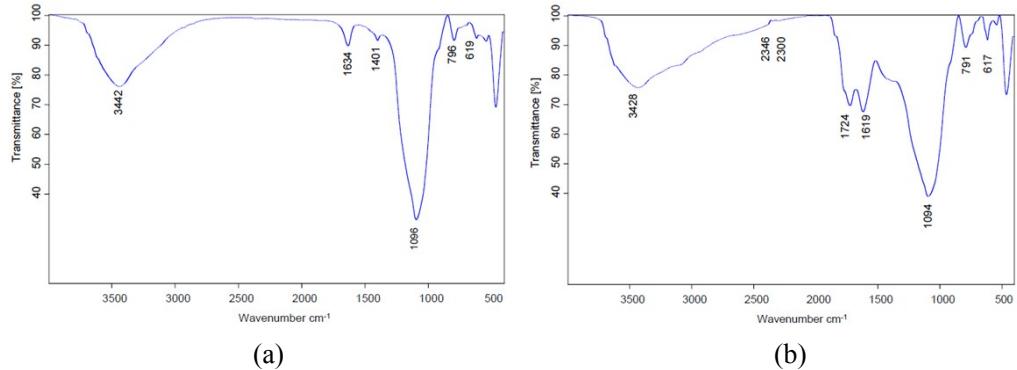


Fig. 5 FTIR spectra of adsorbents: (a) raw diatomite, (b) DE&C

6. Figure 6

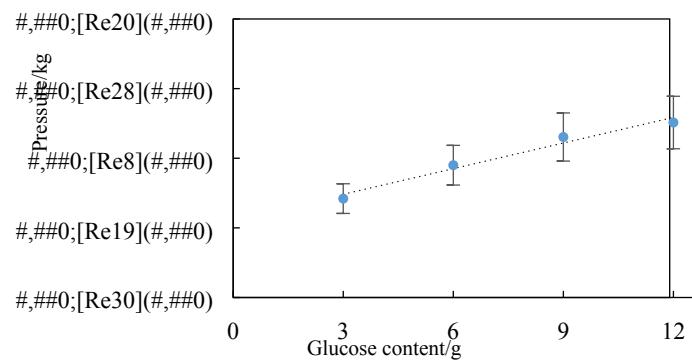


Fig. 6 Relationship of different chitosan contents and compression strength for DE@C adsorbent.

7. Figure 7

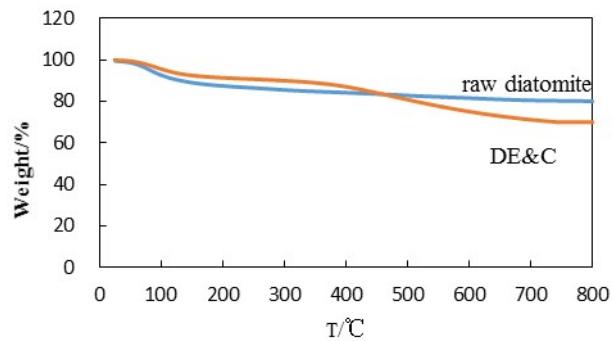


Fig. 7 TGA curves obtained in air for raw diatomite and DE&C

8. Figure 8

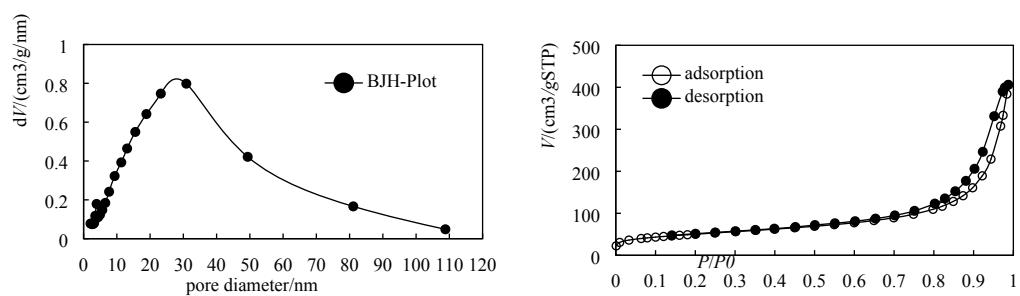


Fig. 8 (a) N_2 adsorption/desorption isotherm of DE&C and (b) BJH pore size distribution

10. Figure 10

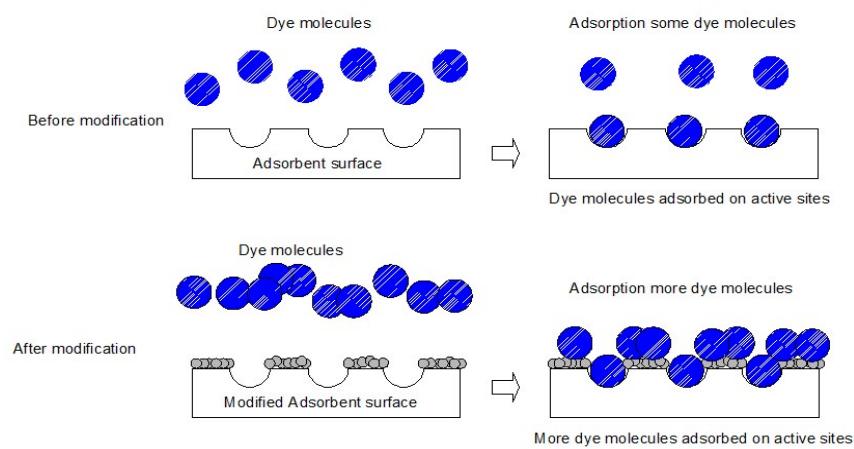


Fig. 10 Chemical phenomenon of dye adsorbed on the surface of DE&C