

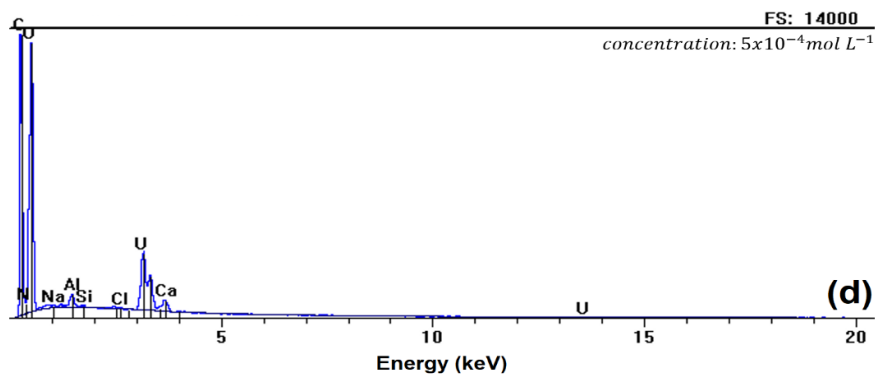
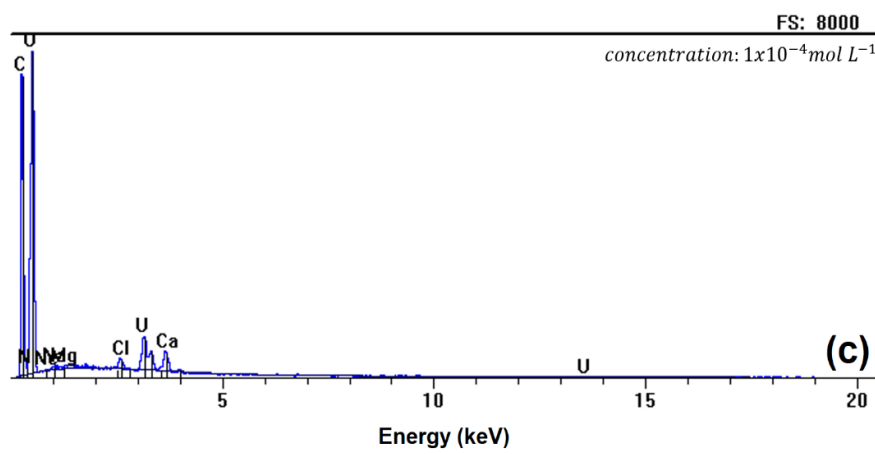
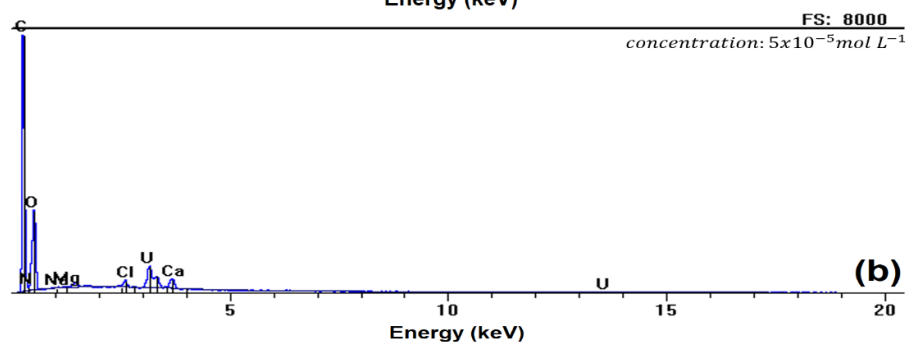
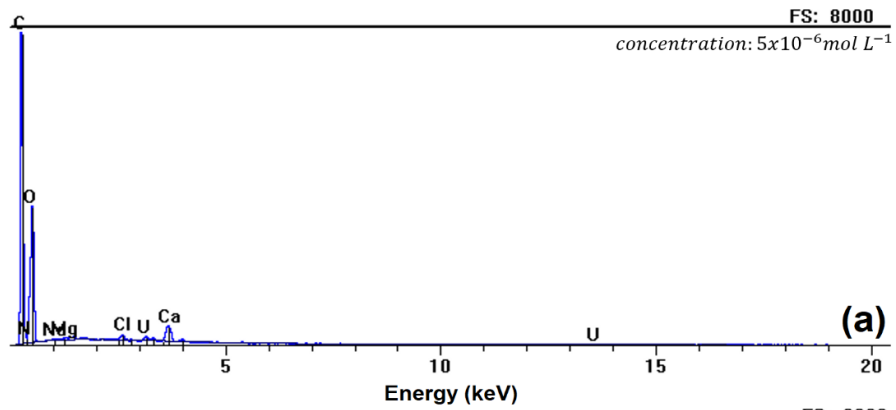
3D composite U(VI) adsorbents based on alginate hydrogels and oxidized biochar obtained from *Luffa Cylindrica*

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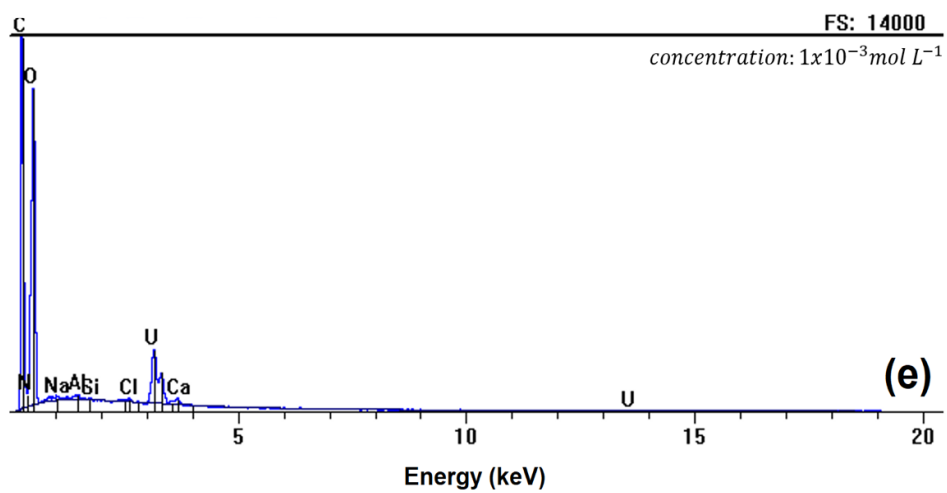


Figure S1. Representative EDS spectra of CA/ox-LC samples that have been previously equilibrated with aqueous solutions of U(VI) at varying concentrations: (a) $5 \times 10^{-6} \text{ M}$, (b) $5 \times 10^{-5} \text{ M}$, (c) $1 \times 10^{-4} \text{ M}$, (d) $5 \times 10^{-4} \text{ M}$ and (e) $1 \times 10^{-3} \text{ M}$.