

**Supplementary Material**

**Green synthesis of fluorescent carbon quantum dots from  
bagasse: inhibition of calcium sulphate scales**

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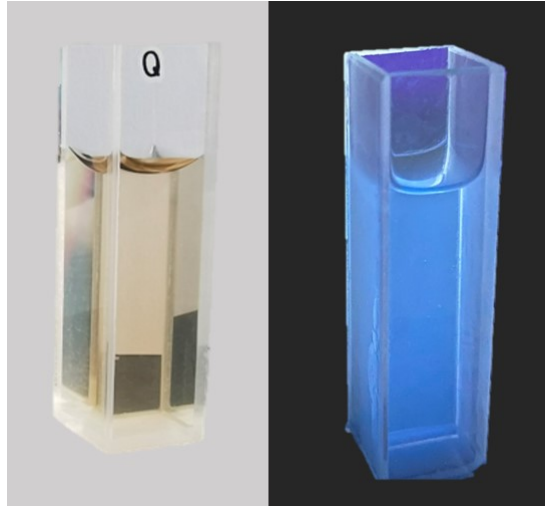
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**Fig. S1.** The photos of CQDs solution: (a) under normal light; (b) under UV light.

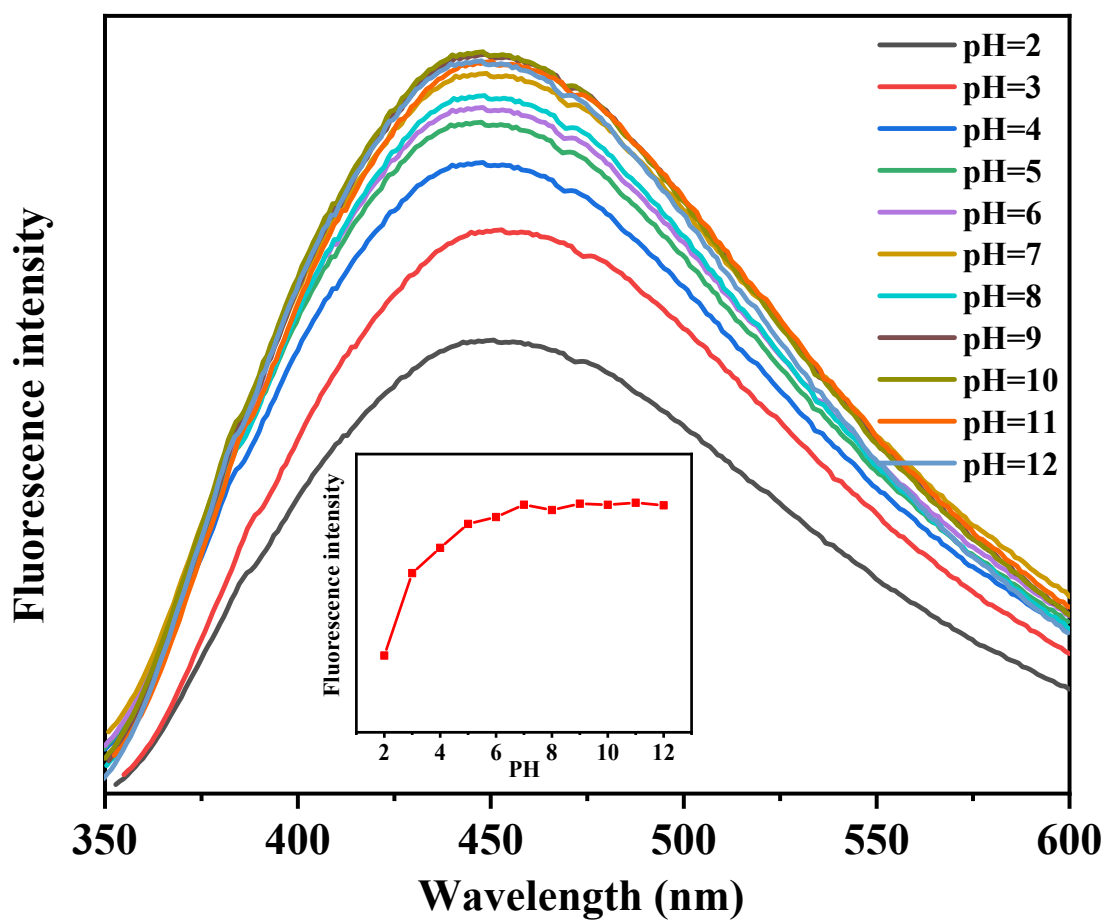
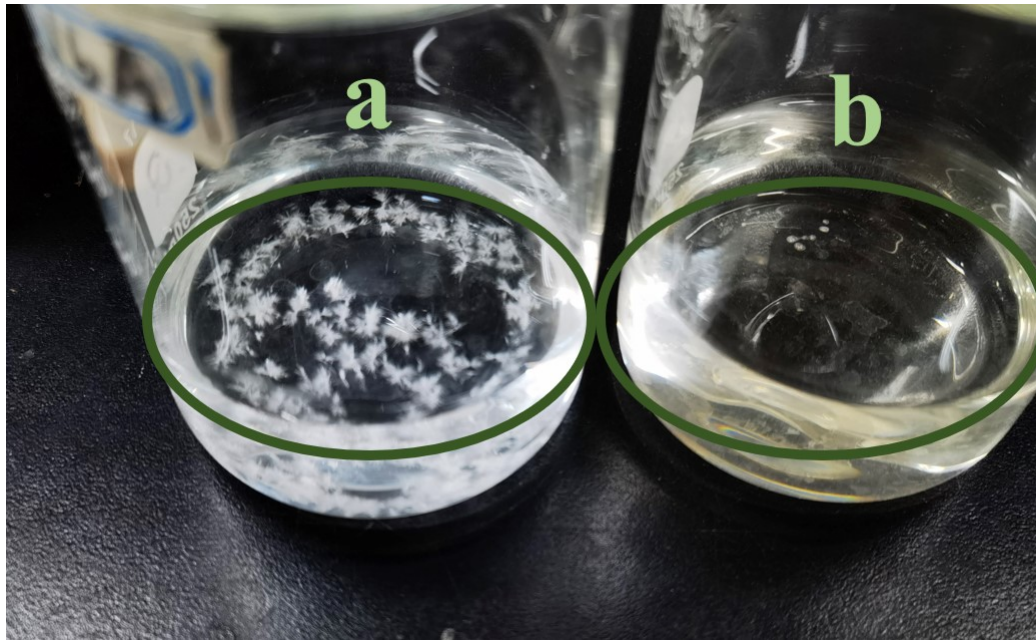
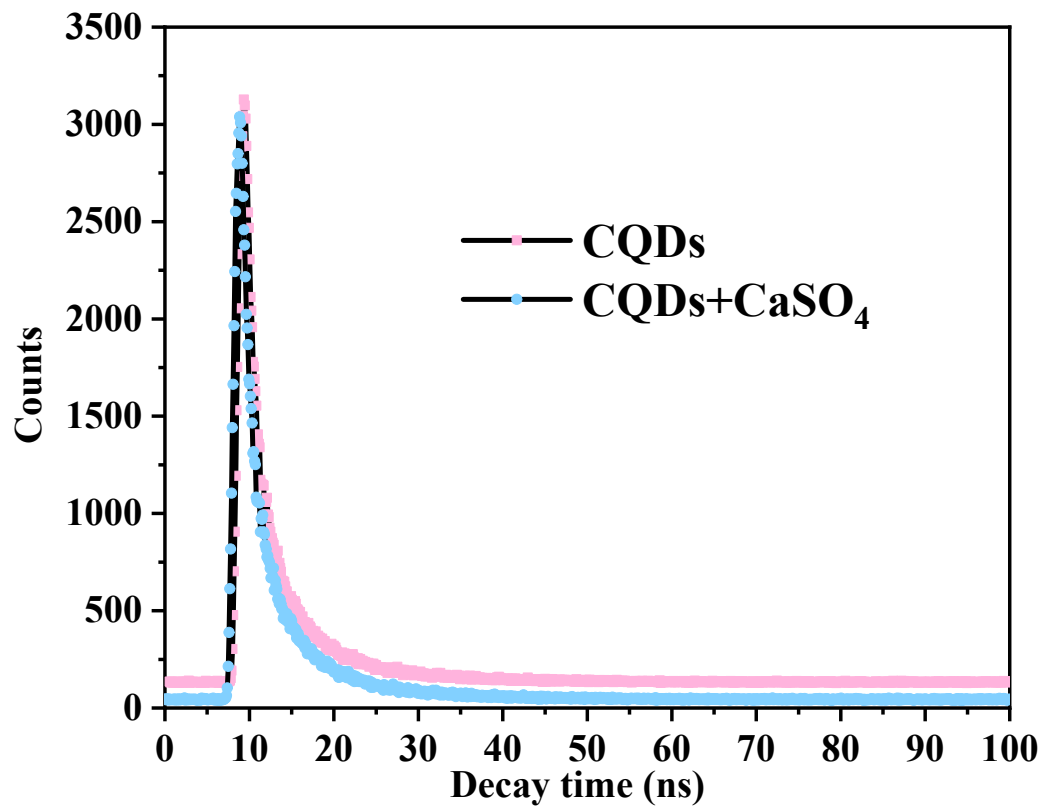


Fig. S2. Optical properties of CQDs: Effect of pH on fluorescence intensity.



**Fig. S3.** The photos of CaSO<sub>4</sub> solution: (a) free CQDs; (b) with CQDs.  
(T = 70 °C; heating time = 25 h).



**Fig. S4.** Time-resolved decay curves of CQDs.