Electronic Supplementary Material

Immobilization and characterization of the *Lactarius deliciosus* mycelia-embedded polylysine-alginate beads and their decolorization performance

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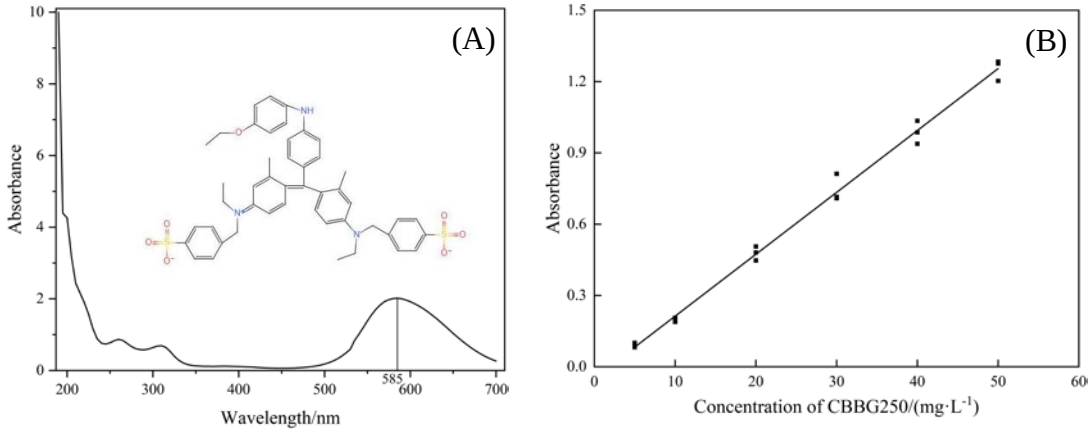

Fig. S1 CBBG250 characteristics. (A) Chemical structure and UV-visible absorption spectrum of CBBG250 (50 mg·L^{-1}); (B) The calibration curve of CBBG250 in the concentration range of 5–50 mg·L^{-1}.

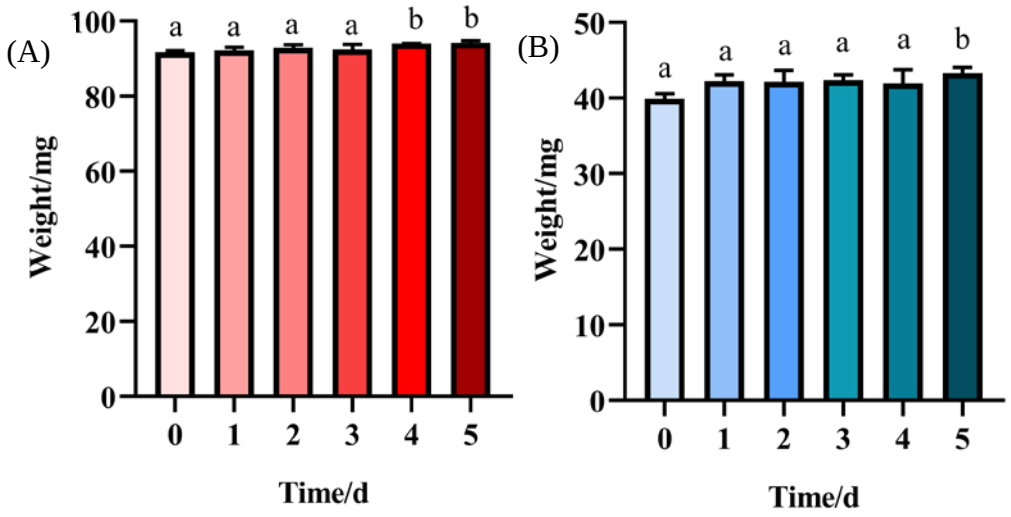

Fig. S2 Viability and toxicity assay. (A) Viability: the immobilized-mycelia microspheres were cultured in media, variation of changes in weight after drying; (B) Toxicity: the immobilized microspheres were incubated in 50 $mg \cdot L^{-1}$ GBBG250 solutions, variation of changes in weight after drying. Different letters above the error bars represent statistically significant differences ($p < 0.05$).

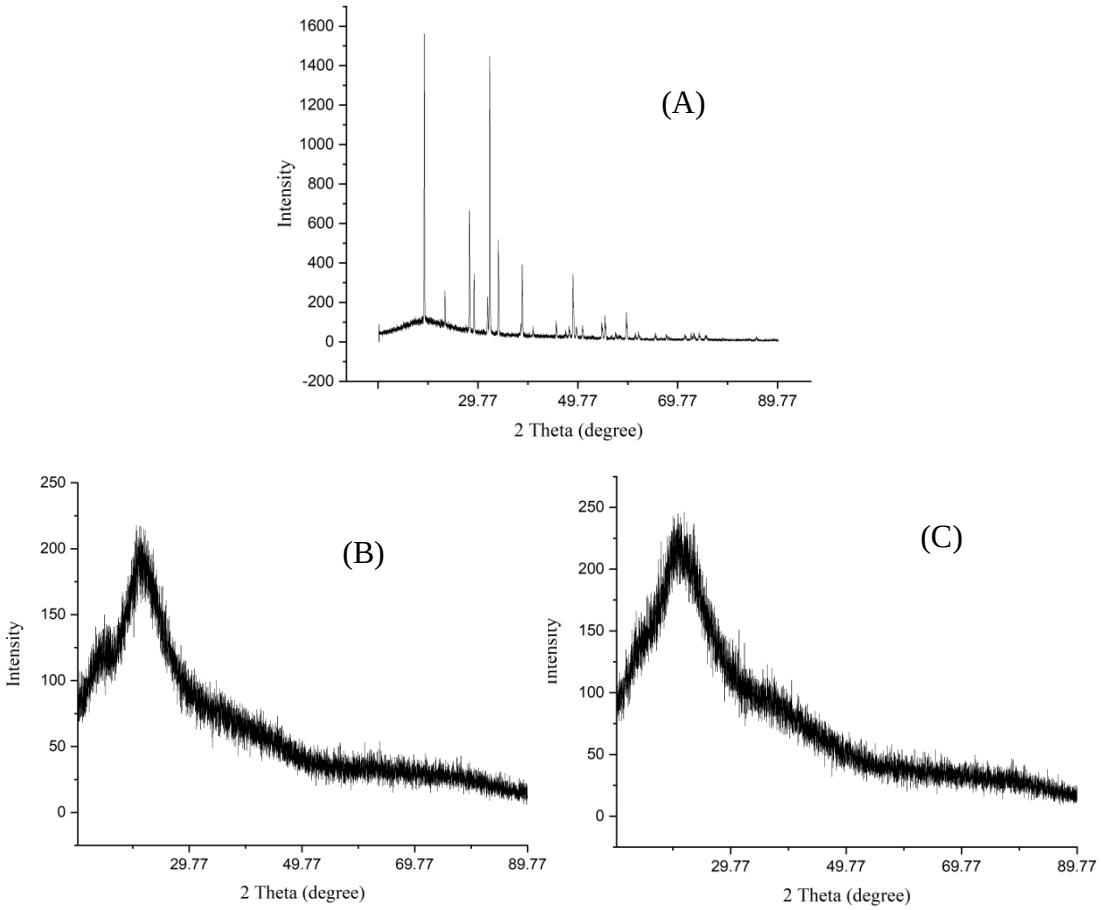

Fig. S3 X-ray patterns of CBBG250 before and after treatment. (A) Pure CBBG250; (B) The dried blank PL-ALG beads; (C) The treatment sample of the dried PL-ALG beads immobilized/loaded with *L. deliciosus* mycelia after 24 h.