

Supplementary Materials

laccase-mediator co-immobilized into dopped-HKUST-1 cellulose composite beads and its application for biodegradation of carbazole

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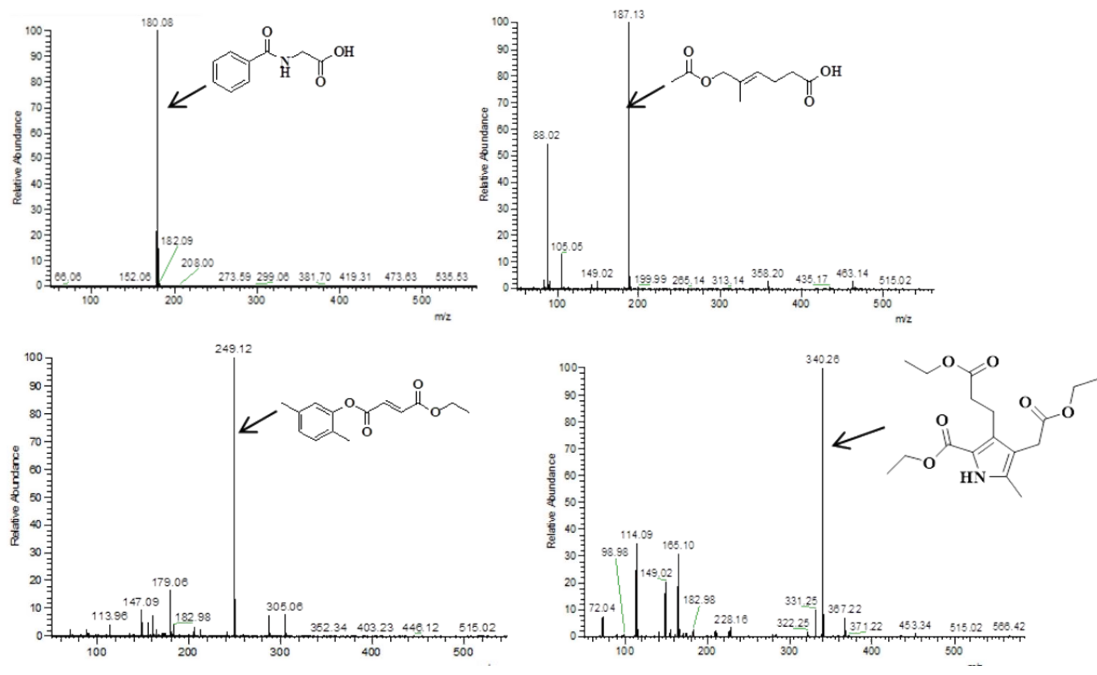


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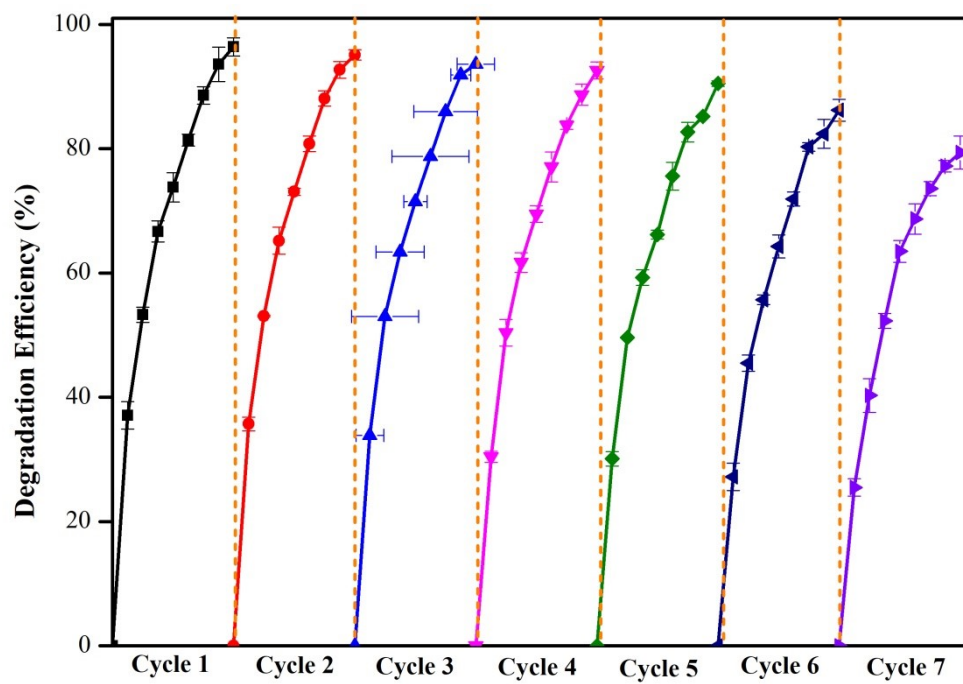


Fig. S2 Reusability of Lac@Ce-GMA-Cu-DA@AS

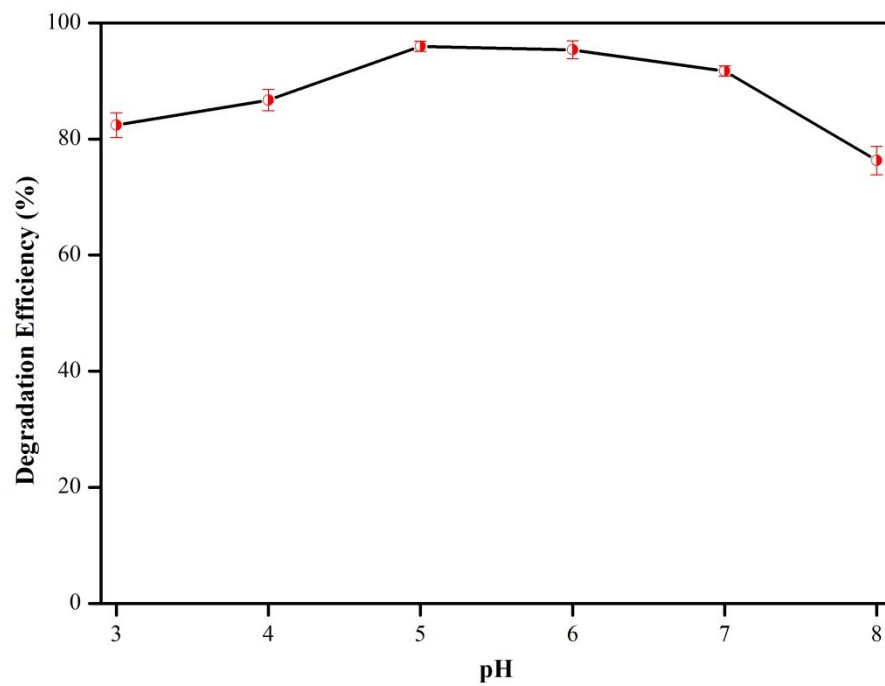


Fig. S3 Effect of pH on the degradation of carbazole by Lac@Ce-GMA-Cu-DA@AS

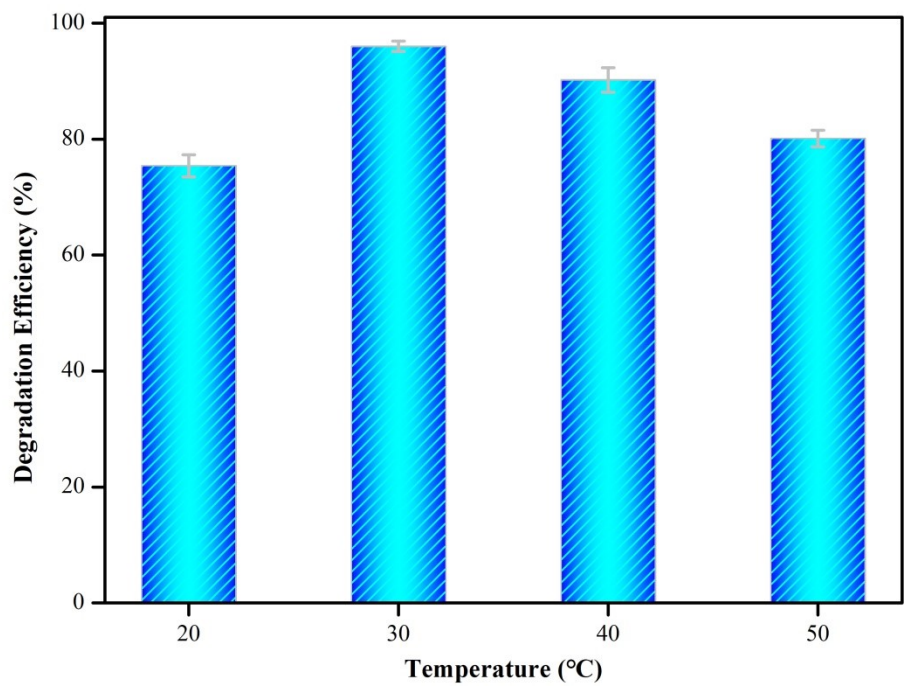


Fig. S4 Effect of temperature on the degradation of carbazole by Lac@Ce-GMA-Cu-DA@AS

Table S1 Michaelis-Menten kinetic parameters of free laccase and immobilized enzyme

Samples	Michaelis-Menten kinetic parameters	
	K_m (mM)	V_{max} (mM/min)
free laccase	0.032	0.056
immobilized enzyme	0.041	0.084