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OPEN Publisher Correction: Chitosan nanoparticles functionalized with β -cyclodextrin: a promising carrier for botanical pesticides

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This Article contains an error in the order of the Figures. Figures 1, 2, 3, 4 and 5 were published as Figures 2, 3, 4, 5 and 1 respectively. The correct Figures 1, 2, 3, 4 and 5 appear below. The Figure legends are correct.

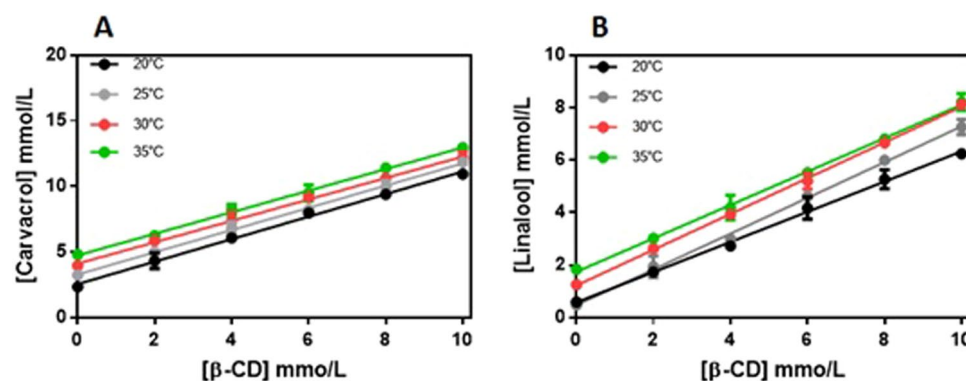


Figure 1. Phase solubility diagrams for CVC (A) and LNL (B) in the presence of increasing concentrations of β -CD, as a function of temperature. Experiments performed in triplicate.

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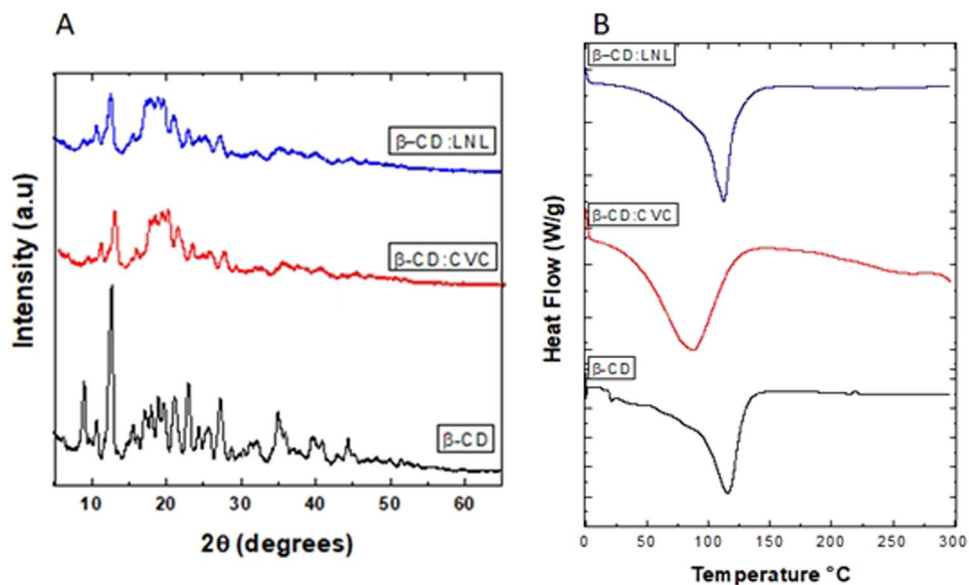
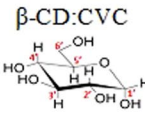
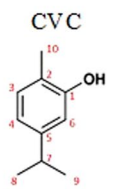
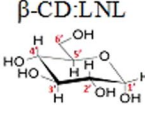
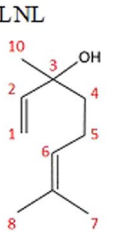


Figure 2. (A) X-ray diffractograms for the cyclodextrin (black line) and for inclusion complexes containing carvacrol (red line) and linalool (blue line). (B) DSC thermograms for the cyclodextrin (black line) and the inclusion complexes containing carvacrol (red line) and linalool (blue line).

	Hydrogen	δ_{absence}	δ_{presence}	$\Delta\delta$	
 β-CD:CVC	H _{1'}	4.996	4.971	-0.026	
	H _{2'}	3.576	3.553	-0.024	
	H _{3'}	3.892	3.823	-0.069	
	H _{4'}	3.511	3.502	-0.009	
	H _{5'}	3.781	3.643	-0.140	
	H _{6'}	3.806	3.726	-0.079	
	 CVC	H ₃	7.026	6.929	-0.097
		H ₄	6.716	6.607	-0.108
		H ₆	6.632	6.586	-0.046
		H ₇	2.800	2.725	-0.075
H _{8,9}		1.199	1.176	-0.023	
H ₁₀	2.202	2.106	-0.095		
OH	4.958	*	*		
 β-CD:LNL	H _{1'}	4.996	4.971	-0.026	
	H _{2'}	3.576	3.553	-0.024	
	H _{3'}	3.892	3.823	-0.069	
	H _{4'}	3.511	3.502	-0.009	
	H _{5'}	3.781	3.643	-0.140	
	H _{6'}	3.806	3.726	-0.079	
	 LNL	H _{1 (cis)}	5.057	*	*
		H _{1 (trans)}	5.215	5.157	-0.058
		H ₂	5.911	5.873	-0.037
		H ₄	1.557	1.481	-0.077
H ₅		2.022	1.922	-0.100	
H ₆	5.120	5.093	-0.027		
H ₈	1.602	1.529	-0.073		
H ₉	1.679	1.609	-0.069		
H ₁₀	1.276	1.231	-0.045		

* Not determined due to spectral overlap.

Figure 3. Chemical shifts (ppm) and assignment of the hydrogens of β-CD, CVC, LNL, and the CVC:β-CD (1:1) and LNL:β-CD (1:1) inclusion complexes. Values of $\Delta\delta$ ($\delta_{\text{absence}} - \delta_{\text{presence}}$).

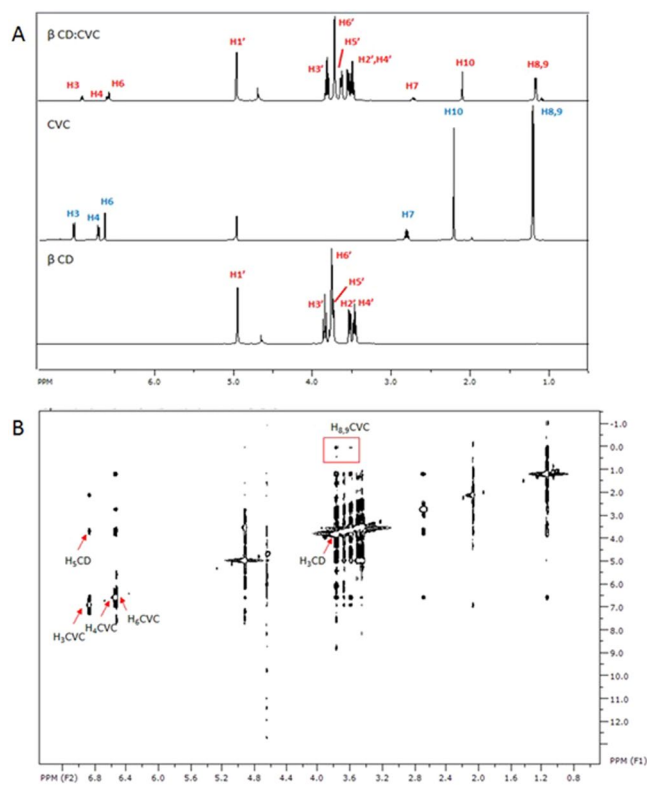


Figure 4. (A) ¹H NMR spectra of β-CD, CVC, and the β-CD:CVC (1:1) inclusion complex. (B) ROESY spectra of the β-CD:CVC (1:1) inclusion complex.

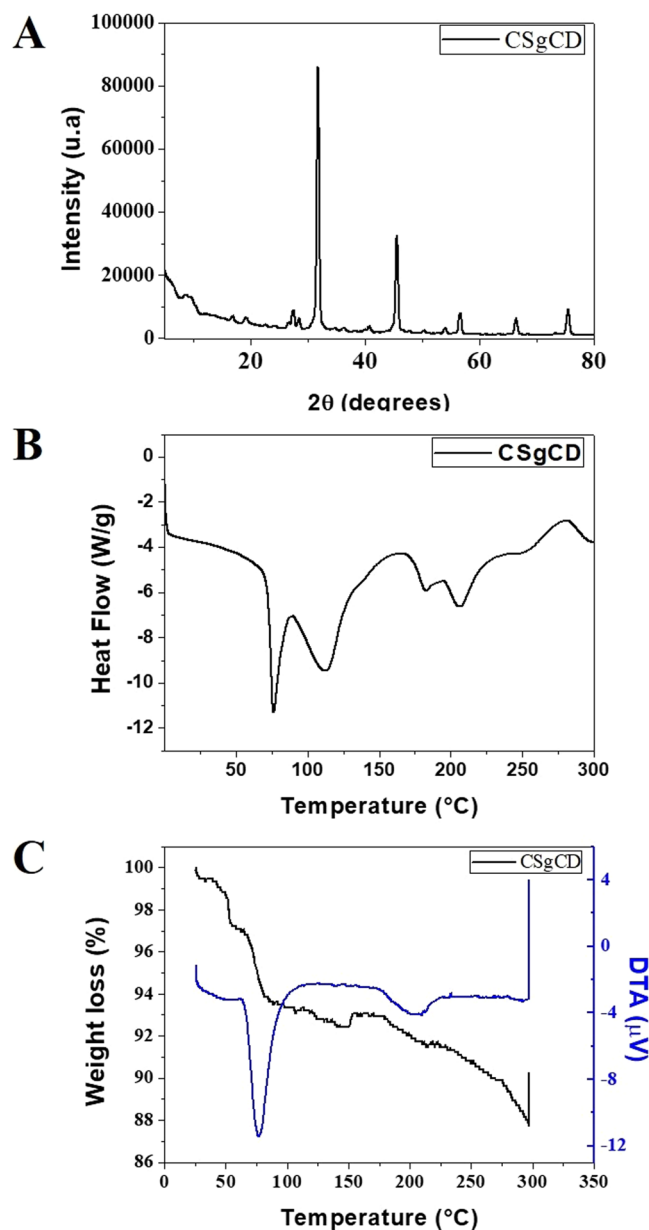


Figure 5. X-ray diffractogram (A), DSC thermogram (B), and TG/DTA curves (C) of the functionalized chitosan (CSgCD).

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