

Article

Antimicrobial Hydroxyethyl-Cellulose-Based Composite Films with Zinc Oxide and Mesoporous Silica Loaded with Cinnamon Essential Oil

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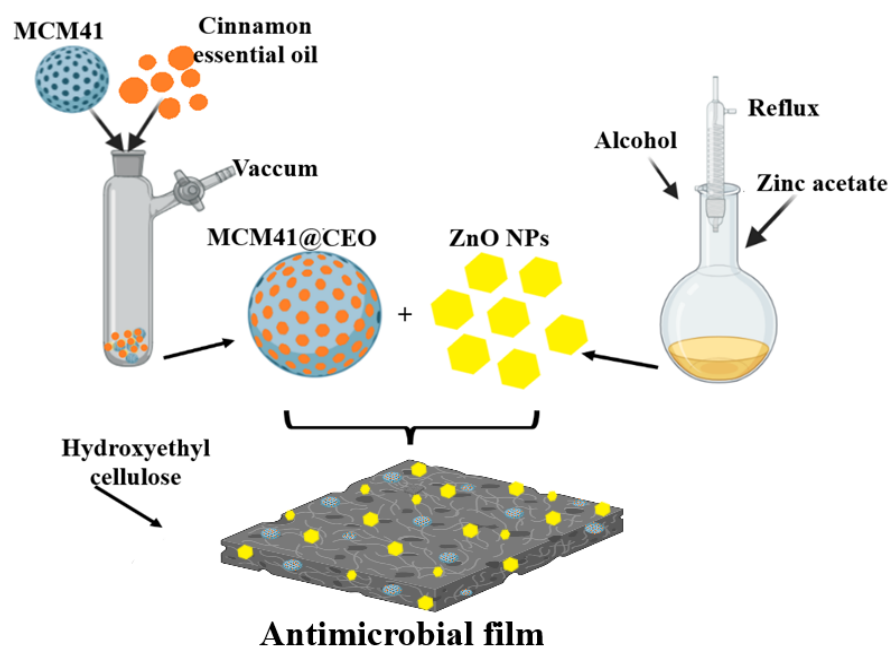


Figure S1. Obtaining of the antimicrobial composite films.

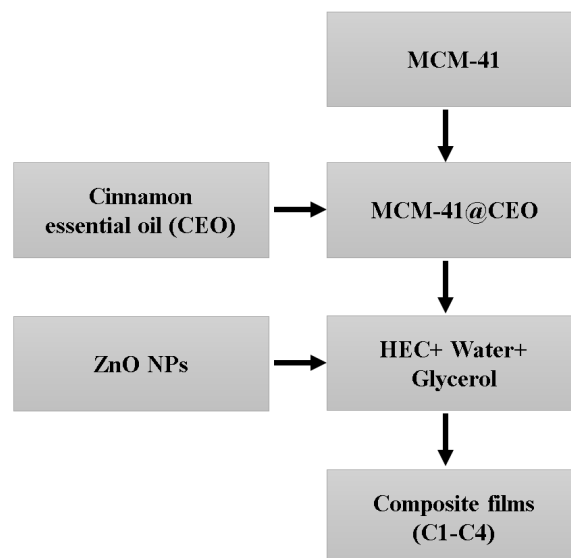


Figure S2. Scheme for the hydroxyethyl cellulose (HEC) based films preparation.

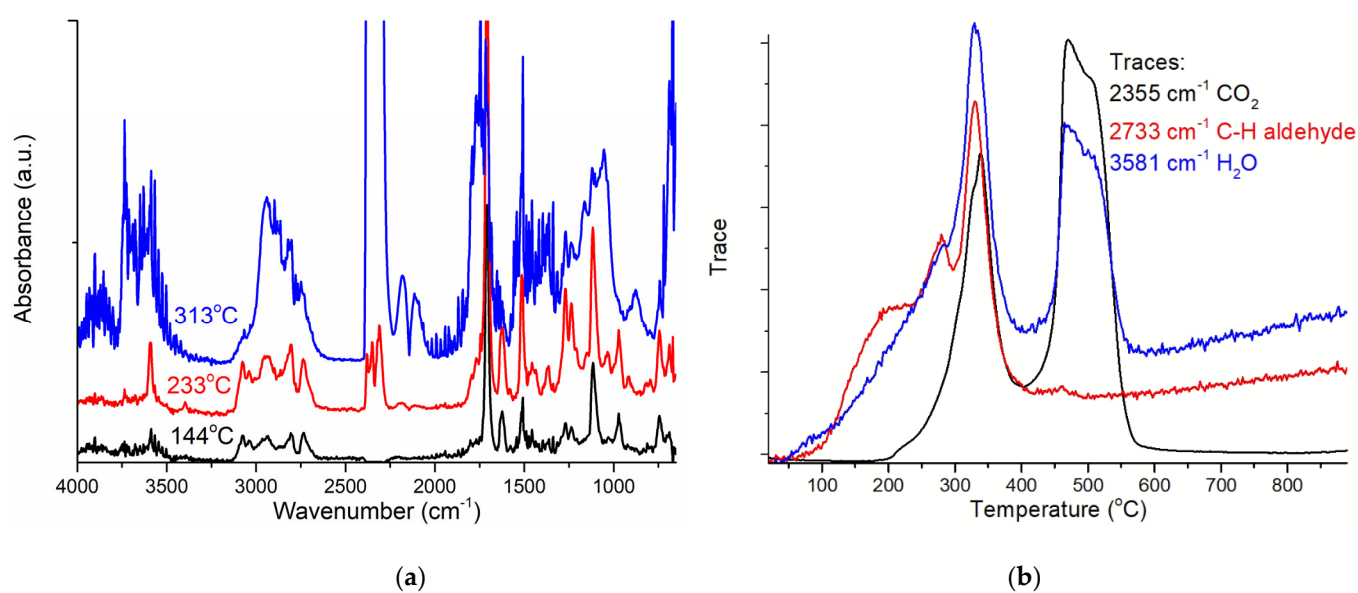


Figure S3. The FTIR spectra for the evolved gases, extracted at 144, 233 and 313 $^{\circ}\text{C}$ from C4 thermal analysis (a); the traces for some compounds in the evolved gases CO_2 (2355 cm^{-1}), cinnamaldehyde (2733 cm^{-1}) and H_2O (3581 cm^{-1}) from C4 thermal analysis (b).