

Electronic Supplementary Information (ESI)

Chitosan–Oxidized Pullulan Hydrogels Loaded with Essential Clove Oil: Synthesis, Characterization, Antioxidant and Antimicrobial Properties

Dana Mihaela Suflet ¹, Marieta Constantin ^{1,*}, Irina Mihaela Pelin ¹, Irina Popescu ¹, Cristina M. Rimbu ²,
Cristina Elena Horhogeana ² and Gheorghe Fundueanu ¹

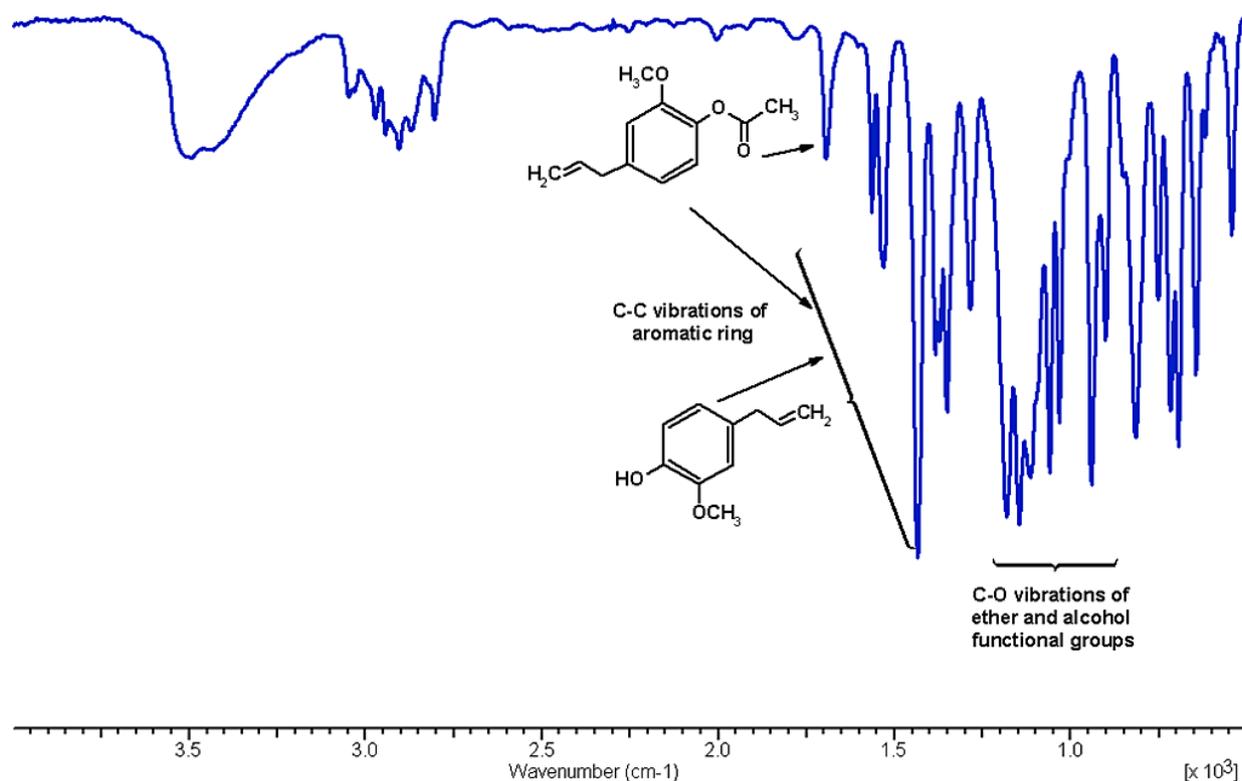


Figure S1. FT-IR spectrum of Clove oil.

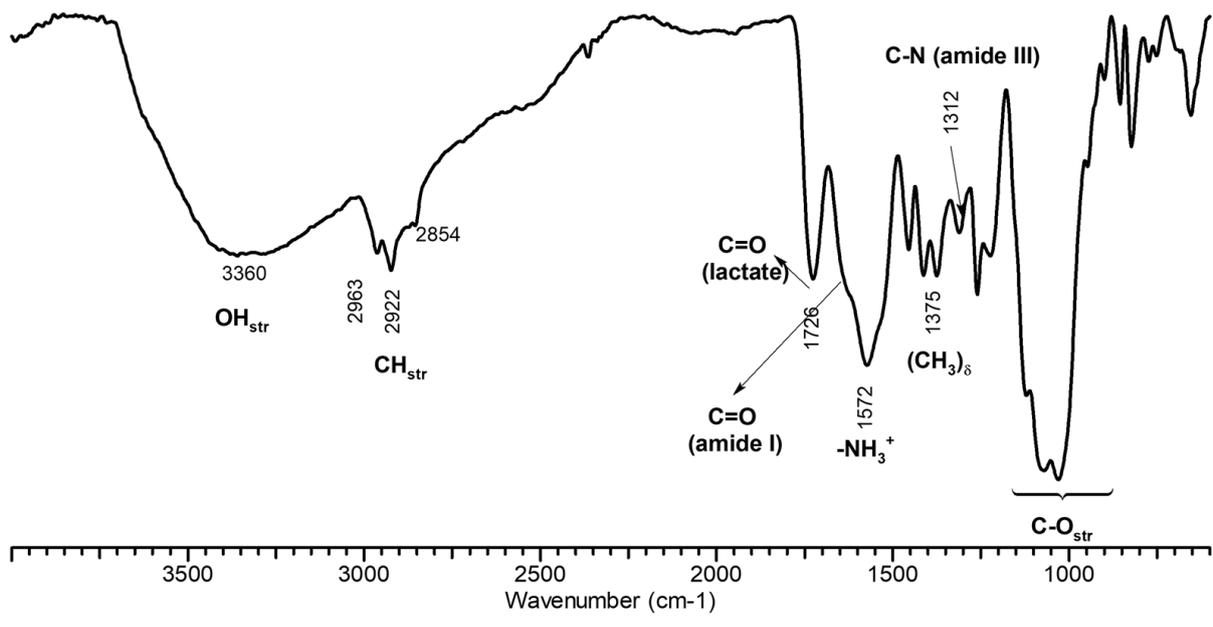


Figure S2. FT-IR spectrum of Chitosan lactate.

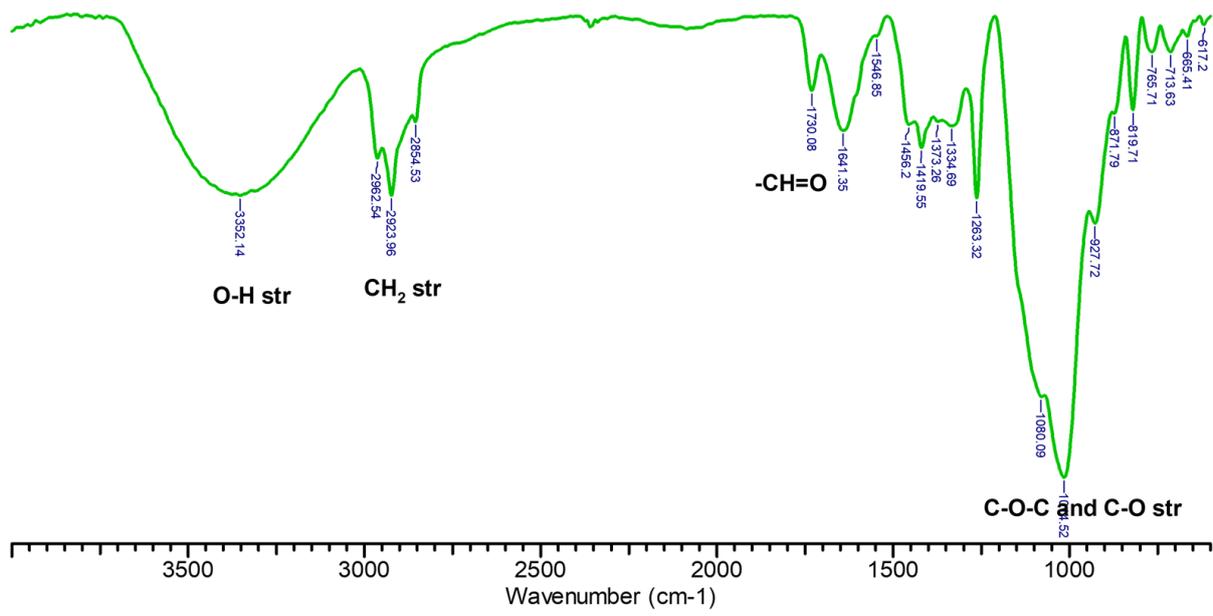


Figure S3. FT-IR spectrum of oxidized pullulan (OP).

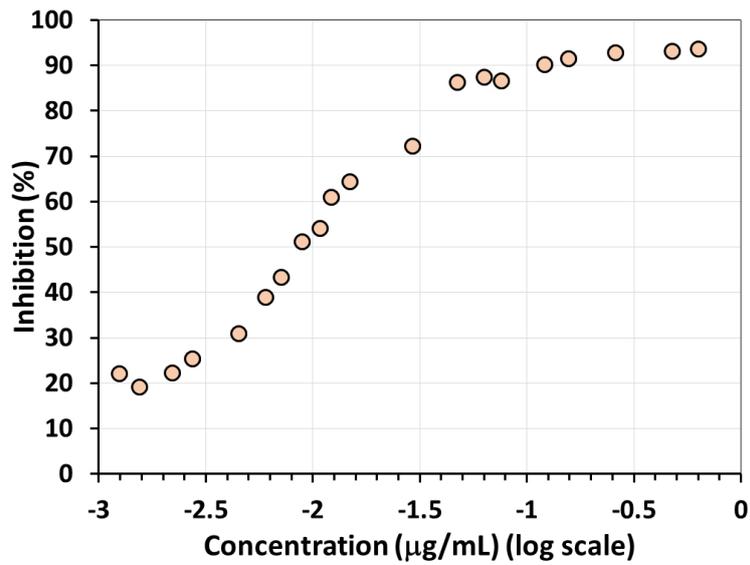
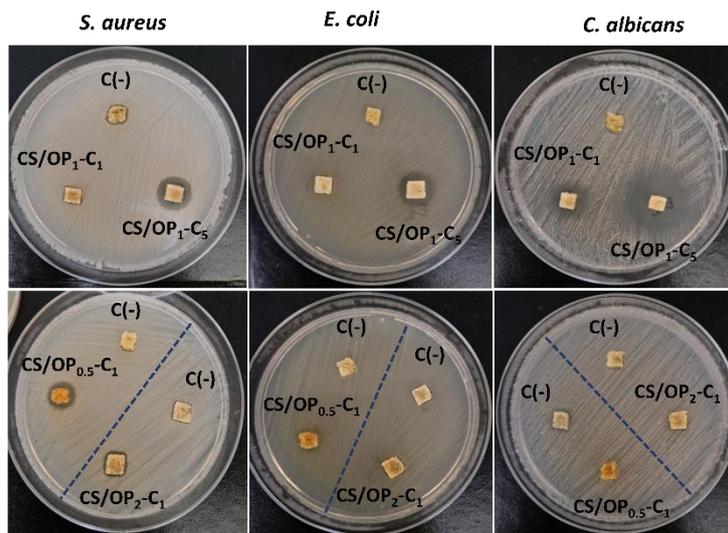


Figure S4. DPPH radical scavenging capacity of Clove oil.



C(-) represents the hydrogel without CO, obtained under the same conditions, CS/OP_x

Figure S5. Antibacterial activity of un-loaded and CO-loaded CS/OP hydrogels against *S. aureus*, *E. coli*, and *C. albicans* through well diffusion assay.