

Supplementary Materials

Individual and Combined Coatings of Chitosan and Carnauba Wax with Oregano Essential Oil to Avoid Water Loss and Microbial Decay of Fresh Cucumber

María Melissa Gutiérrez-Pacheco ¹, Luis Alberto Ortega-Ramírez ¹,
Brenda Adriana Silva-Espinoza ¹, Manuel Reynaldo Cruz-Valenzuela ¹,
Gustavo Adolfo González-Aguilar ¹, Jaime Lizardi-Mendoza ¹,
Raquel Miranda ² and Jesús Fernando Ayala-Zavala ^{1,*}

¹ Centro de Investigación en Alimentación y Desarrollo, A. C., Carretera Gustavo Enrique Astiazarán Rosas, No. 46, Col. La Victoria, Hermosillo, Sonora 83304, Mexico; melissa.gtzpacheco@gmail.com (M.M.G.-P.); ingeluis_100@hotmail.com (L.A.O.-R.); bsilva@ciad.mx (B.A.S.-E.); reynaldo@ciad.mx (M.R.C.-V.); gustavo@ciad.mx (G.A.G.-A.); jalim@ciad.mx (J.L.-M.)

² Federal University of Ceara, Department of Biochemistry and Molecular Biology, Av. Mister Hull 2297, Fortaleza, Ceara 60440-554, Brazil; rmiranda@ufc.br

* Correspondence: jayala@ciad.mx

Received: 20 May 2020; Accepted: 26 June 2020; Published: 29 June 2020

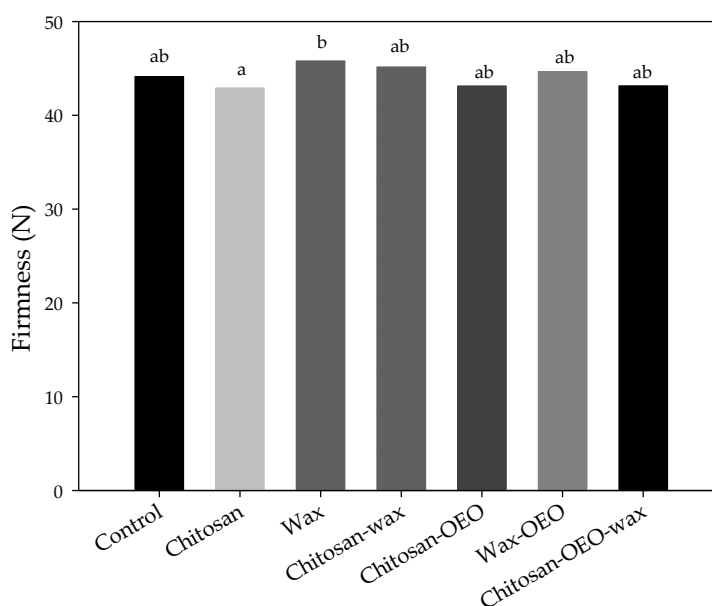


Figure S1. Global effect of chitosan, wax, chitosan-wax, chitosan-OEO, wax-OEO, and chitosan-OEO-wax coatings on the firmness of the cucumbers stored at 10 °C for 15 days. Values are means of $n = 3$. Different literals among treatments indicate significant differences ($p \leq 0.05$).

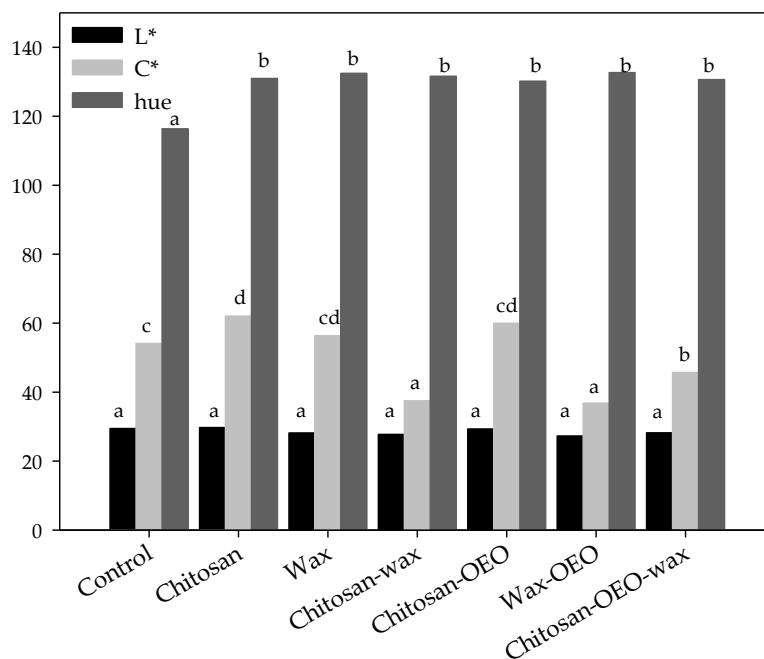


Figure S2. Global effect of chitosan, wax, chitosan-wax, chitosan-OEO, wax-OEO, and chitosan-OEO-wax coatings on the surface color of the cucumbers stored at 10 °C for 15 days. Values are means of $n = 3$. Different literals among treatments in the same parameter indicate significant differences ($p \leq 0.05$).