

Artículos 2012

1. Palafox-Carlos, H., Yahia, E., Islas-Osuna, M.A. Gutierrez-Martinez, P., Robles-Sánchez, M. and **G.A. González-Aguilar**. 2012. Effect of ripeness stage of mango fruit (*Mangifera indica* L., cv. Ataulfo) on physiological parameters and antioxidant activity. *Scientia Horticulturae* 135 (2012) 7–13.
2. Ayala-Zavala, J.F., Silva-Espinoza, B.A., Cruz-Valenzuela, M.R. Villegas-Ochoa, M.A., **González-Aguilar, G.A.** Calderón-López, Y., Esqueda, M. 2012. Antioxidant and antifungal potential of methanol extracts of *Phellinus spp.* from Sonora, Mexico. *Revista Iberoamericana de Micología* 29(3):132-138.
3. José De Jesús Ornelas-Paz, Paul B. Zamudio-Flores, Cinthia G. Torres-Cisneros, Raúl Holguín-Soto, Olivia P. Ramos-Aguilar, Saúl Ruiz-Cruz, Juan C. Guevara-Arauza, **Gustavo A. González-Aguilar**, Víctor Santana-Rodríguez. 2012. The barrier properties and potential use of recycled-LDPE films as a packaging material to preserve the quality of Jalapeño peppers by modified atmospheres. *Scientia Horticulturae* 135: 210-218.
4. Quirós Sauceda, A.E., Palafox Carlos, H., Robles Sánchez, R.M. y **Gustavo A. González-Aguilar**. 2012. Interacción de compuestos fenólicos y fibra dietaria: Capacidad antioxidante y biodisponibilidad. *Bioteecnia*. Vol 14(1): 3-11.
5. Palafox-Carlos, H., Yahia, E. M., **González-Aguilar, G. A.** 2012. Identification and Quantification of Major Phenolic Compounds from Mango (*Mangifera indica*, cv. Ataulfo) Fruit by HPLC-DAD-MS/MS-ESI and Their Individual Contribution to the Antioxidant Activity during Ripening. *Food Chemistry*. 135:105-111.
6. Medina-Juárez, L.A., Molina-Quijada, D.M., Del Toro-Sánchez,C.L., **González-Aguilar, G.A.** and Nohemí Gámez-Meza. 2012. Antioxidant activity of peppers (*Capsicum annuum* L.) extracts and characterization of their phenolics constituents. *Interciencia*. 37(8):1-6.
7. Marisela Rivera-Domínguez, Karen R. Astorga-Cienfuegos, Martin E. Tiznado Hernández and Gustavo A. González-Aguilar. 2012. Induction of the expression of defence genes in *Carica papaya* fruit by methyl jasmonate and low temperature treatments. *Electronic Journal of Biotechnology*, vol. 15, no. 5. <http://dx.doi.org/10.2225/vol15-issue5-fulltext-7>
8. Nohemí Reyes-Vázquez, **Gustavo González-Aguilar**, Víctor Moo- Huchin, Marilu González-Martínez, José Villa-Rodríguez, Hugo Palafox-Carlos, María de los Angeles Sánchez-Contreras, Ingrid M. Rodríguez-Buenfil. 2012. Antioxidant constituents and chemical properties of ‘Tommy atkins’ Mango grown in Campeche, México. *Global Research Journal of Agricultural and Biological Sciences* Vol. 3(4) pp.313 –323.
9. Ayala-Zavala J.F., Pérez-Carlón J.J., Esqueda M., **González-Aguilar G.A.**, Leyva J.M., Cruz-Valenzuela M.R., Moctezuma E. 2012. Polar fractionation affects the antioxidant properties of methanolic extracts from *Phellinus spp.* *International Journal of Medicinal Mushrooms* Vol 6. (December Issue).
10. Hugo Palafox-Carlos, Joana Gil-Chávez, Rogerio R. Sotelo-Mundo, Jacek Namiesnik, Shela Gorinstein and Gustavo A. González-Aguilar. 2012. Antioxidant Interactions Between Major Phenolic Compounds Found in ‘Ataulfo’Mango Pulp: Chlorogenic, Gallic, Protocatechuic and Vanillic Acids. *Molecules* 17, 12657-12664; doi:10.3390/. ISSN 1420-3049.

11. Carmen A. Contreras-Vergara, Norma A. Stephens-Camacho, Aldo A. Arvizu-Flores, Ernesto Sanchez-Sanchez,,Gloria Yepiz-Plascencia, **Gustavo A. González-Aguilar** and Maria A. Islas-Osuna. 2012. Changes in ethylene receptors gene expression in mango fruit at different development and ripening stages. TSWJ-Molecular Biology. (In Press).
12. Ayala-Zavala J.F., Silva-Espinoza B.A., Cruz-Valenzuela M.R., Leyva J.M., Ortega-Ramírez L.A., Carrazco-Lugo D.K., Pérez-Carlón J.J., Melgarejo-Flores B.G., **González-Aguilar G.A.**, Miranda M.R.A. 2012. Pectin-cinnamon leaf oil coatings add antioxidant and antibacterial properties to fresh-cut peach. Flavour and Fragrance Journal (In press).
13. Cruz-Valenzuela, M.R, D.K. Carrazco-Lugo, J.F. Ayala-Zavala, V. Vega-Vega, and **G.A. González-Aguilar**. 2012. Antibacterial, antifungal and antioxidant capacity of extracts from minimally processed by-products of orange. Int. J. Postharvest Technology and Innovation (In review).

Book Chapters 2012

1. **González-Aguilar, G.A.**, Ayala-Zavala, J.F., Chaidez-Quiroz, C. and Castro-del Campo, N. 2012. Peroxyacetic acid. In: Decontamination of Fresh and Minimally processed Produce. Vicente M. Gómez-López (Ed). Edit Wiley-Blackwell. Pp 215-223. ISBN: 978-0-8138-2384-3.
2. Chaidez-Quiroz, C. and Castro-del Campo, N., **González-Aguilar, G.A.**, and Ayala-Zavala, J.F. 2012. Chlorine. Chapter 7 in: Decontamination of Fresh and Minimally processed Produce. Vicente M. Gómez-López (Ed). Edit. Wiley-Blackwell. Pp 121-133. ISBN: 978-0-8138-2384-3.
3. Domínguez-Avila, J.A., de la Rosa-Carrillo, L.A., Martínez-Martínez, A., **González-Aguilar, G.A.**, Robles-Sánchez, M., Gómez-García, C. & Alvarez-Parrilla, E. 2011. Effect of Fruit and Vegetable Intake on Oxidative Stress and Dislipidemia Markers in Human and Animal Models. Book Chapter 18 In Tech.
4. Saul Ruiz-Cruz, **Gustavo A. González-Aguilar**, José de Jesús Ornelas-Paz, Luis A. Cira-Chávez and J. Fernando Ayala-Zavala. 2012. Effect of Sanitizers and Oregano Essential Oils to Reduce the Incidence of *Salmonella* and Other Pathogens in Vegetables. In: *Salmonella*. Book Chapter. In Tech. Yashwant Kumar (ed). Edit InTech open. Pp. 185-194. ISBN: 978-953-307-781-9
5. **González-Aguilar, G.A.**, Rosas-Domínguez, C., Vega-Vega, V., Villa-Rodríguez, J.A., Palafox-Carlos, H., Dávila-Aviña, J.E. y Ayala-Zavala, J.F. 2012. Compuestos naturales como aditivos antimicrobianos y antioxidantes en alimentos. Capítulo 4 en Nuevas Tendencias en Ciencia y Tecnología de Alimentos. Tópicos Selectos. González-Aguilar, G.A., Robles-Sánchez, R.M., Plascencia-Jatomea, M. Cortéz-Rocha, M.O. y Burgos-Hernández, A. Editorial Trillas, México. Pp 82-102. ISBN: 978-607-17-1112-0.
6. Robles-Sánchez, R.M., Canett-Romero, R. y **González-Aguilar, G.A.** 2012. Potencial antioxidante de cereales y seudocereales. Impacto en la salud. Capítulo 9 en Nuevas Tendencias en Ciencia y Tecnología de Alimentos. Tópicos Selectos. González-Aguilar, G.A., Robles-Sánchez, R.M., Plascencia-Jatomea, M. Cortéz-

- Rocha, M.O. y Burgos-Hernández, A. Editorial Trillas, México. Pp 214-236. ISBN: 978-607-17-1112-0.
7. Castro-del Campo, N., Cháidez, C., Medrano-Félix, J.A., Heredia, B., León-Félix, J., **González-Aguilar, G.A.** and Ayala-Zavala, J.F. 2012. Salmonella saintpaul outbreak: Export and trade economic impact, salmonella- A dangerous foodborne pathogen. Barakat S.M. Mahmoud (ed). ISBN: 978-953-307-782-6. InTech, available from: <http://www.intechopen.com/bookx/salmonella-a-dangerous-foodborne-pathogen/salmonella-saintpaul-outbreak-export-and-trade-economic-impact>.

Libros 2012

1. **Libro “Topicos Selectos de Alimentos” 2012.** Coordinador González-Aguilar, G.A. Editorial Trillas pp 425
2. Olivas, G.I., **González-Aguilar, G.A.**, Martin-Belloso, O. y Robert Soliva-Fortuny. 2012. *“Películas y recubrimientos comestibles: Propiedades y Aplicaciones en Alimentos”* (Editorial AM Editores) Diciembre 2012.
3. **González-Aguilar, G.A.** Ayala-Zavala-J.F., Alvarez-Parrilla E. y L.A de la Rosa. 2012. *“Antioxidantes en Alimentos y Salud”* (Editorial AM Editores) Diciembre 2012.