

Publicaciones en revistas científicas

1. Carvajal, F., Palma, F., Jiménez-Muñoz, R., Jamilena, M. Pulido, A., Garrido, D. (2017) Unravelling the role of abscisic acid in chilling tolerance of zucchini during postharvest cold storage. **Postharvest Biology and Technology**, 133, pp. 26-35.
2. Valenzuela, J.L., Manzano, S., Palma, F., Carvajal, F., Garrido D., Jamilena, M. (2017) Oxidative stress associated with chilling injury in immature fruit: Postharvest technological and biotechnological solutions. **International Journal of Molecular Sciences**, 18, 1467; doi:10.3390/ijms18071467.
3. Megías-, Zoraida M^a; Manzano-Medina, Susana; Martínez-Martínez, Cecilia; García, Alicia; Aguado , Encarnación; Garrido-Garrido, M Dolores; Reboloso-Fuentes, Maria Del Mar; Valenzuela-Manjon-Cabeza, Juan Luis; Jamilena-Quesada, Manuel. (2017). Postharvest cold tolerance in summer squash and its association with reduced cold-induced ethylene production. **Euphytica (Wageningen)**,213(1), pp.9.
4. Rosales-López, Raquel. (2016).Incidence and etiology of postharvest diseases of fresh fruit of date palm (*Phoenix dactylifera* L.) in the grove of Elx (Spain). **Phytopathologia Mediterranea**, 55(3), pp. 391-400.
5. Megías-, Zoraida M^a; Martínez-Martínez, Cecilia; Manzano-Medina, Susana; García, Alicia; Reboloso-Fuentes, Maria Del Mar; Valenzuela-Manjon-Cabeza, Juan Luis; Garrido-Garrido, M Dolores; Jamilena-Quesada, Manuel. (2016).Ethylene biosynthesis and signalling elements involved in chilling injury and other postharvest quality traits in the non-climacteric fruit of zucchini (*Cucurbita pepo*). **Postharvest Biology and Technology**, 113, pp. 48-57.
6. Palma-Martín, Francisco; Carvajal-Moreno, Fátima; Jamilena-Quesada, Manuel; Garrido-Garrido, M Dolores. (2016). Putrescine treatment increases the antioxidant response and carbohydrate content in zucchini fruit stored at low temperature. **Postharvest Biology and Technology**, pp.68-70.
7. Rosales-López, Raquel. (2016).Short-Term Exposure to High CO₂ and O₂ Atmospheres to Inhibit Postharvest Gray Mold of Pomegranate Fruit. **Plant disease**, 100(2), pp. 424-430.

8. Rosales-López, Raquel. (2016). Low Temperature and Short-Term High-CO₂ Treatment in Postharvest Storage of Table Grapes at Two Maturity Stages: Effects on Transcriptome Profiling. **Frontiers in Plant Science**, 7(1020), pp. 1-16.
9. Megías-, Zoraida M^a; Martínez-Martínez, Cecilia; Manzano-Medina, Susana; Garcia, Alicia; Reboloso-Fuentes, Maria Del Mar; Garrido-Garrido, M Dolores; Valenzuela-Manjon-Cabeza, Juan Luis; Jamilena-Quesada, Manuel. (2015) Individual Shrink Wrapping of Zucchini Fruit Improves Postharvest Chilling Tolerance Associated with a Reduction in Ethylene Production and Oxidative Stress Metabolites. **PloS One**, 10(7) **Página inicial:** e0133058
10. Carvajal-Moreno, Fátima; Palma-Martín, Francisco; Jamilena-Quesada, Manuel; Garrido-Garrido, M Dolores. (2015). Preconditioning treatment induces chilling tolerance in zucchini fruit improving different physiological mechanisms against cold injury. **Annals of Applied Biology**, 166(2), pp. 340-354.
11. Megías-, Zoraida M^a; Barrera-Romero, Alejandro Jose; Manzano-Medina, Susana; Martínez-Martínez, Cecilia; Garrido-Garrido, M Dolores; Valenzuela-Manjon-Cabeza, Juan Luis; Jamilena-Quesada, Manuel. (2015). Physical and chemical treatments enhancing postharvest fruit quality in zucchini. **Acta Horticulturae**, 1091, pp.141-146.
12. Megías-, Zoraida M^a; Manzano-Medina, Susana; Martínez-Martínez, Cecilia; Barrera-Romero, Alejandro Jose; Garrido-Garrido, M Dolores; Valenzuela-Manjon-Cabeza, Juan Luis; Jamilena-Quesada, Manuel. (2015). Effects of 1-mcp on different postharvest quality parameters in zucchini. **Acta Horticulturae**, 1091, pp. 83-89.
13. Rosales-López, Raquel. (2015). Effects of high CO₂ levels on fermentation, peroxidation and cellular water stress in *Fragaria vesca* stored at low temperature in conditions of unlimited O₂. **Journal of Agricultural and Food Chemistry**, 63, pp-761-768.
14. Rosales-López, Raquel. (2015). Differential regulation of dehydrin expression and trehalose levels in Cardinal table grape skin by low temperature and high CO₂. **Journal of Plant Physiology**, 179, pp.1-11.
15. Palma-Martín, Francisco; Carvajal-Moreno, Fátima; Ramos-Clavero, Jose M; Jamilena-Quesada, Manuel; Garrido-Garrido, M Dolores. (2015). Effect of putrescine application on maintenance of zucchini fruit quality during cold storage: Contribution of GABA shunt and other related

- nitrogen metabolites. **Postharvest Biology and Technology**, 99, pp. 131-140.
16. Carvajal-Moreno, Fátima; Palma-Martín, Francisco; Jamilena-Quesada, Manuel; Garrido-Garrido, M Dolores. (2015). Cell wall metabolism and chilling injury during postharvest cold storage in zucchini fruit. **Postharvest Biology and Technology**, 108, pp. 68-77.
 17. Rosales-López, Raquel; Palma-Martín, Francisco. (2015). CO₂-driven changes in energy and fermentative metabolism in harvested strawberries. **Postharvest Biology and Technology**, 110, pp. 33-39.
 18. Martínez-Martínez, Cecilia; Manzano-Medina, Susana; Megías-, Zoraida M^a; Barrera-Romero, Alejandro Jose; Boualem, Adnane; Garrido-Garrido, M Dolores; BENDAHMANE-, ABDELHAFID; Jamilena-Quesada, Manuel. (2014). Molecular and functional characterization of CpACS27A gene reveals its involvement in monoecy instability and other associated traits in squash (*Cucurbita pepo* L.). **Planta**, 239(6), PP. 1201-1215.
 19. Palma-Martín, Francisco; López-Gómez, Miguel; Tejera-García, Noel Amaurys; Lluch-Pla, Carmen. (2014). Involvement of abscisic acid in the response of *Medicago sativa* plants in symbiosis with *Sinorhizobium meliloti* to salinity. **Plant science**, pp.16-24.
 20. García-Garijo, Amaranta; Tejera-García, Noel Amaurys; Lluch-Pla, Carmen; Palma-Martín, Francisco. (2014). Metabolic responses in root nodules of *Phaseolus vulgaris* and *Vicia sativa* exposed to the imazamox herbicide. **Pesticide Biochemistry and Physiology**, 111, pp. 19-23.
 21. Palma-Martín, Francisco; Carvajal-Moreno, Fátima; Jamilena-Quesada, Manuel; Garrido-Garrido, M Dolores. (2014). Contribution of polyamines and other related metabolites to the maintenance of zucchini fruit quality during cold storage. **Plant Physiology and Biochemistry**, 82, pp. 161-171
 22. Martínez-Martínez, Cecilia; Manzano-Medina, Susana; Megías-, Zoraida M^a; Garrido-Garrido, M Dolores; PICÓ-SIRVENT, MARÍA BELÉN; Jamilena-Quesada, Manuel. (2014). Sources of parthenocarp for Zucchini breeding: relationship with ethylene production and sensitivity. **Euphytica (Wageningen)**, 200(3), pp. 349-362

23. Megías-, Zoraida M^a; Martínez-Martínez, Cecilia; Manzano-Medina, Susana; Barrera-Romero, Alejandro Jose; Rosales-López, Raquel; Valenzuela-Manjon-Cabeza, Juan Luis; Garrido-Garrido, M Dolores; Jamilena-Quesada, Manuel. (2014). Cold-induced ethylene in relation to chilling injury and chilling sensitivity in the non-climacteric fruit of zucchini (*Cucurbita pepo* L.) **LWT-Food Science and Technology**, 57(1), pp. 194-199.
24. Rosales-López, Raquel. (2014). The crucial role of U- and K-segments in the in vitro functionality of *Vitis vinifera* dehydrin DHN1a. **Phytochemistry**, 108, pp. 17-25.
25. Carvajal-Moreno, Fátima; Garrido-Garrido, M Dolores; Jamilena-Quesada, Manuel; Rosales-López, Raquel. (2014). Cloning and characterisation of a putative pollen-specific polygalacturonase gene (CpPG1) differentially regulated during pollen development in zucchini (*Cucurbita pepo* L.). **Plant Biology**, 16(2), pp. 457-466.
26. Palma-Martín, Francisco; Carvajal-Moreno, Fátima; Lluch-Pla, Carmen; Jamilena-Quesada, Manuel; Garrido-Garrido, M Dolores. (2014). Changes in carbohydrate content in zucchini fruit (*Cucurbita pepo* L.) under low temperature stress. **Plant Science**, 217, pp. 78-86.
27. Rosales-López, Raquel. (2013). Molecular analysis of the improvement in rachis quality by high CO₂ levels in table grapes stored at low temperature. **Postharvest Biology and Technology**, 77, 50-58.
28. Traverso JA; Pulido-Regadera, Amada; Rodríguez-García, María Isabel; Alché-Ramírez, Juan De Dios. (2013). Thiol-based redox regulation in sexual plant reproduction: new insights and perspectives. **Frontiers in Plant Science**, 4(465), pp.1-14.
29. Manzano-Medina, Susana; Martínez-Martínez, Cecilia; Megías-, Zoraida M^a; Garrido-Garrido, M Dolores; Jamilena-Quesada, Manuel (2013). Involvement of ethylene biosynthesis and signalling in the transition from male to female flowering in the monoecious *Cucurbita pepo*. **Journal of Plant Growth Regulation**, 32, pp. 789-798.
30. (2013). NADP-malic enzyme and glutathione reductase contribute to glutathione regeneration in *Fragaria vesca* fruit treated with protective high CO₂ concentrations. **Postharvest Biology and Technology**, 86, pp. 431-436.

31. Palma-Martín, Francisco; Tejera-García, Noel Amaury; Lluch-Pla, Carmen. (2013). Nodule carbohydrate metabolism and polyols involvement in the response of *Medicago sativa* to salt stress. **Environmental And Experimental Botany**, 85, pp. 43-49.
32. Martínez-Martínez, Cecilia; Manzano-Medina, Susana; Megías-, Zoraida M^a; Garrido-Garrido, M Dolores; PICÓ-SIRVENT, MARÍA BELÉN; Jamilena-Quesada, Manuel. (2013). Involvement of ethylene biosynthesis and signalling in fruit set and early fruit development in zucchini squash (*Cucurbita pepo* L.).
33. Palma-Martín, Francisco; López-Gómez, Miguel; Tejera-García, Noel Amaury; Lluch-Pla, Carmen. (2013). Salicylic acid improves the salinity tolerance of *Medicago sativa* in symbiosis with *Sinorhizobium meliloti* by preventing nitrogen fixation inhibition. **Plant Science**, 208, pp. 75-82.
34. García-Garijo, Amaranta; Palma-Martín, Francisco; Lluch-Pla, Carmen; Tejera-García, Noel Amaury. (2013). Physiological and biochemical responses of common vetch to the imazamox accumulation. **Plant Physiology and Biochemistry**, 73, pp. 221-225.
35. García-Garijo, Amaranta; Palma-Martín, Francisco; Iribarne-Martinez, Carmen; Lluch-Pla, Carmen; Tejera-García, Noel Amaury. (2012). Alterations induced by imazamox on acetohydroxyacid synthase activity of common bean (*Phaseolus vulgaris*) depend on leaf position. **Pesticide Biochemistry and Physiology**, 104, pp. 72-76.
36. Rosales-López, Raquel. (2012). Unraveling the roles of CBF1, CBF4 and dehydrin 1 genes in the response of table grapes to high CO₂ levels and low temperature. **Journal of Plant Physiology**, 169, pp. 744-748.
37. Rosales-López, Raquel; Burns-, Jacqueline K. (2011). Phytohormone changes and carbohydrate status in sweet orange fruit from huanglongbing-infected trees. **Journal of Plant Growth Regulation**.
38. Carvajal-Moreno, Fátima; Martínez-Martínez, Cecilia; Jamilena-Quesada, Manuel; Garrido-Garrido, M Dolores. (2011). Differential response of zucchini varieties to low storage temperature. **Scientia Horticulturae**, 130(1), pp.90-96.

39. Palma-Martín, Francisco; Tejera-García, Noel Amaury; Herrera-Cervera, Jose Antonio. (2011). Effect of salinity on nodulation, nitrogen fixation and growth of common bean (*Phaseolus vulgaris*) inoculated with rhizobial strains isolated from the Haouz region of Morocco. **Symbiosis**, 55, pp. 69-75.
40. Manzano-Medina, Susana; Martínez-Martínez, Cecilia; Megías-, Zoraida Ma; Gomez-Jimenez De Cisneros, Pedro; Garrido-Garrido, M Dolores; Jamilena-Quesada, Manuel. (2011). The role of ethylene and brassinosteroids in the control of sex expression and flower development in cucurbita pepo. **Plant Growth Regulation**, 65(2), pp. 213-221.
41. Pulido-Regadera, Amada; Laufs-, Patrick. (2010). Coordination of developmental processes by small rnas during leaf development. **Journal of Experimental Botany**, pp. 1-15.
42. Manzano-Medina, Susana; Martínez-Martínez, Cecilia; Gomez-Jimenez De Cisneros, Pedro; Garrido-Garrido, M Dolores; Jamilena-Quesada, Manuel. (2010). Cloning and characterisation of two ctr1-like genes in cucurbita pepo: regulation of their expression during male and female flower development. **Sexual Plant Reproduction**, 23(4), pp. 301-313
43. Manzano-Medina, Susana; Martínez-Martínez, Cecilia; Garrido-Garrido, M Dolores; Gomez-Jimenez De Cisneros, Pedro; Jamilena-Quesada, Manuel. (2010). A major gene conferring reduced ethylene sensitivity and maleness in cucurbita pepo. **Journal of Plant Growth Regulation**, 29, pp. 73-80.
44. Palma-Martín, Francisco; Lluch-Pla, Carmen; Iribarne-Martinez, Carmen; Garcia-Garrido, Jose Manuel; Tejera-García, Noel Amaury. (2009). Combined effect of salicylic acid and salinity on some antioxidant activities, oxidative stress and metabolites accumulation in *phaseolus vulgaris*. **Plant Growth Regulation**, 58, pp. 307-316.
45. Bedhomme-, M; Mathieu-, C; Pulido-Regadera, Amada; Henry & Bergounioux-, Y. (2009). Arabidopsis monomeric g-proteins, markers of early and late events in cell differentiation. **The International Journal of Developmental Biology**, pp. 177-185.
46. Garrido-Garrido, M Dolores; Rosales-López, Raquel; Gomez-Jimenez De Cisneros, Pedro; Jamilena-Quesada, Manuel. (2009). Hormonal control of floral abscission in zucchini squash (*Cucurbita pepo*). **Plant Growth**

Regulation, 58(1), pp. 1-14.

47. Garrido-Garrido, M Dolores. (2009). A major gene conferring reduced ethylene sensitivity and maleness in cucurbita pepo. **Journal of Plant Growth Regulation**, pp.1-10.
48. Pulido-Regadera, Amada; Bakos-,F; Devic-,M; Barnabas-,Beata; Olmedilla-Arnal, Adela. (2009). Hvpg1 and eca1: two genes activated transcriptionally in the transition of barley microspore from the gametophytic to the embryogenic pathway. **Plant Cell Reports**, pp.551-559.
49. Garrido-Garrido, M Dolores; Ramos-Clavero, Jose M; Rosales-López, Raquel; Sabouni-, Ibrahim. (2008). Comparing the benefits between pesticides and ethylene treatments in reducing olive moth population numbers and damage. **International Journal of Pest Management**, 54(4), pp. 327-331.
50. Ramos-Clavero, Pedro; Rosales-López, Raquel; Sabouni-, Ibrahim; Garrido-Garrido, M Dolores; Ramos-Clavero, Jose M. (2008). Crop losses due to olive moth mediated by ethylene. **Pest Management Science**, 64(7), pp. 720-724.
51. Manzano-Medina, Susana; Ávalos-,Eugenio; Dominguez-,Victor Jesús; Garrido-Garrido, M Dolores; Gomez-Jimenez De Cisneros, Pedro; Jamilena-Quesada, Manuel. (2008). Un gen recesivo que confiere insensibilidad al etileno y androecia en cucurbita pepo. **Actas de Horticultura de la Sociedad Española de Ciencias Hortícolas**, 51, pp. 199-200.
52. Bein-,T; Pulido-Regadera, Amada; Vialette-,A; Nikovics-,K; Morin-,H; Hay-,A; Johansen-,le; Tsiantis-,M; Lauf'S-,B. (2008). A conserved molecular framework for compound leaf development. **Science**, pp. 1835-1839.
53. Payán-Amate, Maria Del Carmen; Peñaranda-Ruíz, Ascension; Manzano-Medina, Susana; Garrido-Garrido, M. Dolores; Jamilena-Quesada, Manuel; Gomez-Jimenez De Cisneros, Pedro. (2008). Estadios previos de la formación del fruto de calabacín muestran un patrón específico de expresión de los genes receptores de etileno cup-etr1 y cup-ers1. **Actas de Horticultura de la Sociedad Española de Ciencias Hortícolas**, pp. 171-172.

54. Garrido-Garrido, M Dolores; Ramos-Clavero, Jose M; Rosales-López, Raquel; Sabouni-, Ibrahim. (2008). The use of ethylene diffusers is comparable to treatments with sprayed ethylene to reduce the damage caused by the olive moth (*prays oleae* bern.). **Journal of Pest Science**, PP. 1-5.