

Short Curriculum Vitae



Dr Anastasios I. Darras - Assistant Professor

Contact Details	<p>Work address: Technological Educational Institute of Peloponnese, Dept. of Agricultural Technology 24100 Antikalamos, Kalamata, GREECE</p> <ul style="list-style-type: none">▪ Tel. +30 27210 45199▪ Email: andarras@teikal.gr, tassosdarras@yahoo.co.uk,
Education	<p>2000 – 2003: PhD in Postharvest Physiology and Pathology of Cut Flowers</p> <ul style="list-style-type: none">• School of Bio-Science and Technology, Cranfield University, UK <p>PhD thesis title: 'Biology and management of <i>Freesia hybrida</i> flower specking caused by <i>Botrytis cinerea</i>'</p> <p>1995 – 2000: BSc in Greenhouse Cultivation and Floriculture</p> <ul style="list-style-type: none">▪ School of Agricultural Technology, Technological Educational Institute of Kalamata, GR.
Academic Experience	<p>2014 – to date: Assistant Professor in Floriculture - Postharvest Management of Cut Flowers and Foliage</p> <p><u>Corresponding Lecturer in the subjects:</u></p> <ul style="list-style-type: none">• Floriculture – Cut Flowers & Indoor Plants▪ General Floriculture

	<ul style="list-style-type: none"> ▪ Postharvest Technology <p>2004 – 2014: Scientific Collaborator at the Technological Educational Institute (T.E.I.) of Peloponnese</p>
<p>Academic Responsibilities</p>	<ol style="list-style-type: none"> 1. Coordinator of the Postharvest Technology Laboratory 2. Member of the Steering Committee of the MSc Program "Controlled Environment Agriculture - Hydroponics"
<p>Fields of Research</p>	<p>Cut flowers</p> <ol style="list-style-type: none"> 1. Storage, postharvest performance, vase solutions 2. Postharvest physiology and defence responses <p>Ornamental Plants</p> <ol style="list-style-type: none"> 1. Flowering and growth responses 2. Ornamental Physiology 3. Ornamental pathology and defence responses <p>Postharvest Technology</p> <ol style="list-style-type: none"> 1. Horticultural Products
<p>International Scientific Activity</p>	<p>Member of:</p> <ol style="list-style-type: none"> 1. International Society for Horticultural Science – ISHS <p>Editorial Board:</p> <ol style="list-style-type: none"> 1. <i>Trends in Horticultural Science</i> 2. <i>Journal of Plant Sciences</i> 3. <i>Plant Pathology Journal</i> 4. <i>International Journal of Agricultural Research</i> 5. <i>American Journal of Plant Physiology</i> <p>Reviewer:</p> <ol style="list-style-type: none"> 1. <i>Postharvest Biology and Technology</i> (Elsevier Science) 2. <i>Journal of the Science of Food and Agriculture</i> (Wiley-Blackwell)

	<ol style="list-style-type: none"> 3. <i>Scientia Horticulturae</i> (Elsevier Science) 4. <i>Crop Protection</i> (Elsevier Science) 5. <i>European Journal of Plant Pathology</i> (Springer Publishing) 6. <i>HortScience</i> (ASHS) 7. <i>Journal of Horticultural Science & Biotechnology</i> (ISHS) 8. <i>Australasian Plant Pathology</i> (Springer Publishing) 9. <i>Asian Journal of Plant Sciences</i> (ANSI Journals) 10. <i>Plant Pathology Journal</i> (ANSI Journals) 11. <i>Journal of Biological Sciences</i> (ANSI Journals) 12. <i>Research Journal of Medicinal Plants</i> (ANSI Journals) 13. <i>Research Journal of Seed Science</i> (ANSI Journals) 14. <i>Scientific Research and Assays</i> (Academic Journals) 15. <i>African Journal of Biotechnology</i> (Academic Journals)
<p>Publications (International Peer Reviewed Journals)</p>	<ol style="list-style-type: none"> 1. Vloutoglou, I., Kalogerakis, S.N. and Darras, A.I. 2000. Effects of isolate virulence and host susceptibility on development of early blight (<i>Alternaria solani</i>) on tomato. <i>OEPP/EPPO Bulletin</i> 30: 263-267 2. Darras, A.I., Joyce, D.C. and Terry, L.A. 2004. A survey of possible associations between pre-harvest environment conditions and postharvest rejections of cut freesia flowers. <i>Australian Journal of Experimental Agriculture</i> 44: 103-108 3. Darras, A.I., Joyce, D.C. and Terry, L.A. 2005. Treatments with MeJA vapour suppresses specking of cut freesia flowers caused by <i>Botrytis cinerea</i>. <i>Postharvest Biology and Technology</i> 38: 175-182 4. Darras, A.I., Joyce, D.C., Terry, L.A. and Vloutoglou I. 2006. Postharvest infections of <i>Freesia hybrida</i> L. flowers by <i>Botrytis cinerea</i>. <i>Australasian Plant Pathology</i> 35: 55-63 5. Darras, A.I., Joyce, D.C. and Terry, L.A. 2006. Acibenzolar-S-methyl and methyl jasmonate of glasshouse-grown freesias suppress postharvest

petal specking caused by *Botrytis cinerea*. *Journal of Horticultural Science & Biotechnology* 81(6): 1043-1051

6. Darras, A.I., Joyce, D.C., Terry, L.A., Pompodakis, N.E. and Dimitriadis, C.I. 2007. Efficacy of postharvest pulse and spray treatments with acibenzolar-S-methyl and methyl jasmonate against *Botrytis cinerea* infecting cut *Freesia hybrida* L. flowers. *Australasian Plant Pathology* 36: 332-340

7. Akoumianaki – Ioannidou, A., **Darras, A.I.**, and Diamantaki, A. 2010. Postharvest vase solutions and storage effects on cut *Nerium oleander* inflorescences. *Journal of Horticultural Science & Biotechnology* 85(1): 1-6

8. Darras, A.I., Joyce, D.C. and Terry, L.A. 2010. Post-harvest UV-C irradiation on cut *Freesia hybrida* L. inflorescences suppresses petal specking caused by *Botrytis cinerea*. *Postharvest Biology and Technology* 56(3): 186-188

9. Darras, A.I., Akoumianaki-Ioannidou, A. and Pompodakis, N.E. 2010. Evaluation and improvement of post-harvest performance of cut *Viburnum tinus* inflorescences. *Scientia Horticulturae* 124: 276-280

10. Pompodakis, N.E., Terry, L.A., Joyce, D.C., Papadimitriou, M.D., Lydakis, D. and **Darras, A.I.**, 2010. Effects of storage temperatures and ABA treatments on cut 'First Red' and 'Akido' roses. *Journal of Horticultural Science & Biotechnology* 85(3): 253-259

11. Darras, A.I., Joyce, D.C. and Terry, L.A. 2011. MeJA and ASM protect cut *Freesia hybrida* inflorescences against *Botrytis cinerea*, but do not act synergistically. *Journal of Horticultural Science & Biotechnology* 86(1): 74-78

12. Darras, A.I., Demopoulos, V. and Tiniakou, C.A. 2012. UV-C irradiation induces defence responses and improves vase life of cut gerbera flowers.

13. Darras, A.I. Demopoulos, V. Bali, I. and Tiniakou, C.A. 2012. Photomorphogenic reactions in geranium (*Pelargonium x hortorum*) plants following brief exposures to ultraviolet-C (UV-C) irradiation. *Plant Growth Regulation* 68(3): 343-350

14. Dimitriadis, C.I., Brighton, J.L., O'Dogherty, M.J., Kokkora, M.I. and **Darras, A.I.** 2014. Physical and Aerodynamic Properties of Lavender in relation to Harvest Mechanisation. *International Journal of Agronomy*. Article ID 276926, doi:10.1155/2014/276926.

15. Darras, A.I., Bali, I., and Argyropoulou, E. 2015. Disease resistance and growth responses in *Pelargonium x hortorum* plants to brief pulses of UV-C irradiation. *Scientia Horticulturae* 181: 95-101

16. Stathas, G.J., Kartsonas, E.D., and **Darras, A.I.** 2015. Record of new pests of *Phenacoccus peruvianus* Granara de Willink and *Phenacoccus madeirensis* Green (Hemiptera: Pseudococcidae) and *P. madeirensis* on ornamental plants in Greece. *Hellenic Plant Protection Journal* 8: 12-14.

17. Kotsiras, A., Vlachodimitropoulou, A., Gerakaris, A., Bakas, N., and **Darras, A.I.** 2016. Innovative harvest practices of Butterhead, Lollo rosso and Batavia green lettuce (*Lactuca sativa* L.) types grown in floating hydroponic system to maintain the quality and improve storability. *Scientia Horticulturae*, 201, 1-9.

18. Darras, A.I., Kotsiras, A., Delis, C., Nifakos, K., Pavlakos, E., and Demopoulos, V. 2017. Reaction of the native Greek tomato varieties 'Chondrokatsari Messinias' and 'Katsari Santorinis' to *Fusarium oxysporum* f. sp. *lycopersici* and *Rhizoctonia solani* infection. *Hellenic Plant Protection Journal*, 10(2), 70-79.

19. Skouras, P.J., Stathas, G.J., Voudouris, C.C., **Darras, A. I.**, Tsitsipis, J.A., and Margaritopoulos, J.T. 2017. Effect of synthetic insecticides on the larvae of *Coccinella septempunctata* from Greek

	<p>populations. <i>Phytoparasitica</i>, 45(2), 165-173.</p> <p>20. Stathas, G. J., Kartsonas, E.D., Skouras, P.J., and Darras, A.I. 2018. Data on the ecology of <i>Kermes echinatus</i> Balachowsky (Hemiptera, Coccoomorpha, Kermesidae) on <i>Quercus ilex</i> (Fagaceae) in Greece. <i>Phytoparasitica</i>, 46(4), 491-498.</p>
	<p>Total citations: 234 (Scopus & Google Scholar)</p>
<p>Book Chapters (Invited)</p>	<p>1. Darras, A.I. 2011. Novel elicitors induce defence responses in cut flowers. In 'Plant Pathology', Ed. Cumagan C.J.R. InTech Publishing, Croatia. ISBN 978-953-307-933-2</p> <p>2. Darras, A. I. 2018. Postharvest Disease Management. In "<i>Handbook of Florists' Crops Diseases</i>," eds McGovern R. and Elmer W., Springer Publishing, 253-279. ISBN 978-3-319-39668-2</p>
<p>Books</p>	<p>1. Darras, A.I. and Klironomou, D. 2006. Floriculture – Laboratory Exercises. <i>Embryo Publications</i>, Athens, GR, ISBN 978-960-8002-43-2</p> <p>2. Darras, A.I. 2010. Gardens – Terraces – Roof gardens. Floriculture – Urban Landscape Architecture. <i>Embryo Publications</i>, Athens, GR, ISBN 978-960-8002-57-9</p> <p>3. Darras, A.I. 2018. Floriculture - Cultivation and Postharvest Management of Cut Flowers and Foliage. Parisianou Publications, Athens GR. ISBN 978-960-583-402-9</p>
<p>International Conferences (abstracts and full articles)</p>	<p>1. Joyce, D.C., Terry, L.A., and Darras, A.I. 2001. Natural and induced disease resistance in postharvest horticulture. The <i>12th Postharvest Convention</i>, 'Non-conventional control of postharvest pests and diseases', 9 May 2001 University of Greenwich, Chatham Maritime, Kent (abstract)</p>

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- 2. Darras, A.I.** 2001. Suppression of *Botrytis cinerea* on cut freesia flowers with acibenzolar-S-methyl. *Second Postgraduate Research Conference*, 21-22 June 2001, Cranfield University, Silsoe, UK (abstract)
- 3. Vloutoglou, I., Darras, A.I., and Stamelou E.** 2001. Evaluation of fungicide sprays and their timing to control early blight of tomato (*Alternaria solani*). *Phytopathologia Mediterranea* 40: 212-213 (abstract)
- 4. Terry, L.A., Joyce, D.C., and Darras, A.I.** 2004. Variable efficacy of plant activators in suppression of *Botrytis cinerea* on strawberry fruit and freesia flowers. *XIII International Botrytis Symposium*, 25-30 October 2004, Antalya, Turkey (abstract)
- 5. Darras, A.I., Akoumianaki-Ioannidou, A., Pompodakis, N.E., and Papadimitriou, M.D.** 2009. Postharvest performance of two Mediterranean species used as bouquet fillers. *9th International Symposium on Postharvest Quality of Ornamental Plants*, 11 – 14th August 2008, Denmark (full paper published in *Acta Horticulturae*, Vol. 847)
- 6. Darras, A.I., Akoumianaki-Ioannidou, A., Pompodakis, N.E., and Papadimitriou, M.D.** 2009. Postharvest performance of two Mediterranean species used as bouquet fillers. *9th International Symposium on Postharvest Quality of Ornamental Plants*, 11 – 14th August 2008, Denmark (full paper published in *Acta Horticulturae*, Vol. 847)
- 7. Paschalides, C., Zamanides, P., Darras A.I., Chouliaras, G. and Petridis, A.** 2011. Comparative evaluation on different substrates on rooting and growth of hybrid vine seedlings. *3rd National Conference Humus Substances – Innovation in Science and Practice*, Sofia, Bulgaria 12-16 September (full paper published in *Soil Science Agrochemistry and Ecology*)
- 8. Darras, A.I., Demopoulos, V., Kazana, E., and Tiniakou, C.A.** 2012. Effects of UV-C irradiation on *Botrytis cinerea* floret specking and quality
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	<p>of cut gerbera flowers. <i>28th International Horticultural Congress</i>, Lisbon Portugal August 22-25 (full paper published in <i>Acta Horticulturae</i> Vol. 937: 493-498)</p> <p>9. Darras, A.I., Demopoulos, V., Bali, I. Katsiloulis O. and Kratimenou E. 2013. Brief pulses of UV-C irradiation improves flowering of ornamental plants. <i>XI International Symposium on Flower Bulbs and Herbaceous Perennials, Antalya, Turkey, 28 March – 1 April</i> (full paper published in <i>Acta Horticulturae</i> 1002: 95-102)</p> <p>10. Darras, A.I. and Demopoulos, V. 2013. Abiotic elicitor treatments stimulate changes in polyphenol oxidase (PPO) activity in cut gerbera flowers. <i>XI International Symposium on Flower Bulbs and Herbaceous Perennials, Antalya, Turkey, 28 March – 1 April</i> (full paper published in <i>Acta Horticulturae</i> 1002: 103-108)</p>
<p>National Conferences (full articles)</p>	<p>11. Vloutoglou, I. Darras, A.I. and Stamelou, E. 2000. Evaluation of fungicides and application timing to control early blight in (<i>Alternaria solani</i>) in tomato. <i>10th Hellenic Phytopathological Conference</i> 3-5 Oct. Kalamata GR</p> <p>12. Pompodakis, N.E., Lydakakis, D., Papadimitriou, M. and Darras, A.I. 2003. Positive effects of abscisic acid (ABA) on vase life of cut rose flowers. <i>21st Conference of the Hellenic Society for Horticultural Science</i>, 8-10 Oct. Ioannina GR</p> <p>13. Darras, A.I., Pompodakis, N.E. Terry, L.A., Joyce, D.C. and Vloutoglou I. 2004. Ultraviolet irradiation (UV-C) as an alternative method to control freesia flower infection by <i>Botrytis cinerea</i> <i>12th Hellenic Phytopathological Conference</i> 12-15 Oct. Kastoria GR</p> <p>14. Darras, A.I., Joyce, D.C. Terry, L.A. and Pompodakis, N.E. 2005. Factors that affect postharvest infection of freesia flowers by <i>Botrytis cinerea</i>. <i>22nd Conference of the Hellenic Society for Horticultural Science</i>,</p>

19-21 Oct. Patras, GR

15. Pompodakis, N.E., Papadimitriou, M., Lydakis, D. and **Darras, A.I.** 2005. Determination of low temperature injury on cut rose flowers with chlorophyll fluorescence. *22nd Conference of the Hellenic Society for Horticultural Science*, 19-21 Oct. Patras, GR

16. Darras, A.I. and Pompodakis, N.E. 2007. Synergistic effect of chemical activators to suppress postharvest flower specking on freesia flowers caused by *Botrytis cinerea*. *23rd Conference of the Hellenic Society for Horticultural Science*, 22-25 Oct. Chania, GR

17. Darras, A.i., Akoumianaki-loannidou, A. and Diamantaki, A. 2011. Effects of vase solutions on vase life of cut *Pittosporum tobira* inflorescences. *25th Conference of the Hellenic Society for Horticultural Science*, 1-4 Nov. Limassol, Cyprus

18. Akoumianaki-loannidou, A., Papadimitiou, K. and **Darras, A.I.** 2011. Effect of 8-HQC and sucrose solutions on the preservation of cut *Pittosporum heterophyllum* inflorescences. *25thConference of the Hellenic Society for Horticultural Science*, 1-4 Nov. Limassol, Cyprus

19. Pompodakis, N.E., Papadimitriou, M., Lydakis, D. and **Darras, A.I.** 2011. Evaluation of the chilling injury damage on cut lysianthus foliage with chlorophyll fluorescence. *25thConference of the Hellenic Society for Horticultural Science*, 1-4 Nov. Limassol, Cyprus

20. Darras, A.I., Pashalidis, Ch. Petropoulos, D. and Garifallakis I. 2011. Effect of growing substrates and fertilization on germination of seeds, growth and flowering of zinnias (*Zinnia elegans*). *25thConference of the Hellenic Society for Horticultural Science*, 1-4 Nov. Limassol, Cyprus
