

CURRICULUM VITAE

Anna Assimakopoulou, Ph.D.

I. Position

Associate Professor in *Mineral nutrition of higher plants*
Technological Educational Institute of Peloponnese
School of Agricultural Technology, Food Technology and Nutrition
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II. Education

BSc & MSc in Agronomy (1982, Agricultural University of Athens)
PhD in *Mineral nutrition of higher plants*, Lab. of Plant Physiology, Dep. of Agricultural Biotechnology (2002, Agricultural University of Athens)
Foreign Language skills: English and French

III. Research interests

- Mechanisms of nutrient element absorption and transport in plants
- Evaluation of plant varieties and rootstocks to physiological stresses due to deficiencies or toxicities, substrate salinity, etc
- Interaction between plant nutrition and disease susceptibility
- Non-parasitic fruit disorders (rind spotting, blossom-end rot, tip-burn etc)
- Fertilization in organic and conventional tree farming
- Orchards and vineyards nutritional surveys
- Improvement of the reliability of leaf analysis sampling
- Effect of nitrogen level and form on growth, plant nutrition, and nitrate content of leafy vegetables
- Study on the growth and nutritional status of leafy vegetables grown with Deep Flowing Technique (DFT) and on several solid substrates
- Influence of NaCl salinity on growth, inorganic nutrition, physiology and quality of tomato fruits, beans, etc.
- Salt tolerance evaluation of indigenous greek olive cultivars

IV. Selected Professional Experience

12/07/2016 till now: Associate Professor in the scientific field of Mineral nutrition of higher plants, School of Agricultural Technology & Food Technology and Nutrition, Department of Agricultural Technology, Technological Educational Institute of Peloponnese.

Από 29/6/2012 till 11/07/2016:

Assistant Professor in the scientific field of *Mineral nutrition of higher plants*
School of Agricultural Technology, Dep. of Crop Production, Technological Educational Institute of Kalamata.

29/10/2007 - 28/6/2012: Lecturer, Lab. of Pomology, School of Agricultural Technology, Dep. of Crop Production, Technological Educational Institute of Kalamata.

30/3/1998 - 28/11/2003: Agriculture engineer in the Laboratory of ‘Non-Parasitic Diseases’, Dep. of Phytopathology, Benaki Phytopathological Institute, in Athens, participating in research projects related to: a. the effect of nitrogen on the concentration of nitrates and nutrient elements in leafy vegetables, b. the physiological stress on plant indexes (clovers) due to ozon toxicity, c. the ‘blossom-end rot’ in peaches, d. the relationship between the susceptibility of pistachio to *Camarosporium pistaciae* and tree inorganic nutrition, e. the interaction of different Fe levels and N forms of nutrient solution on the growth, concentration of nutrient elements and root Fe³⁺ reduction capacity in spinach, etc.

29/5/1989 - 29/3/1998 and 29/11/2003 - 28/10/2007: Agriculture engineer in the District Laboratory of Agricultural Extension and Fertilizer Analysis (P.E.G.E.A.L.), Xylokastro, Greece, responsible for a. chemical analyses of plant (leaf analysis), soil and water samples, b. fertilization recommendations, c. parasitic and non-parasitic diseases diagnosis and control, and d. research projects related to: a) pre-harvest ‘rind spotting’ in ‘Clementine’ mandarins, b) rind-spotting in grapes (var. Soultanina) and c) “Sustainable fertigation techniques for vegetable production in Greece”, a project financed by the European Commission (Framework Programme 6; Marie Curie - Transfer of Knowledge) between Holland (Applied Plant Research-Division Glasshouse Horticulture, University of Wageningen) and Greece (Olive and Horticultural Crops Institute of Kalamata, N.AG.RE.F.). In the second period (29/11/2003 - 28/10/2007), I had participated to the implementation of the accreditation of the Laboratory according to the quality system ISO/IEC 17025.

V. SELECTED PUBLICATIONS AND PRESENTATIONS

1. **Assimakopoulou, A.** 2002. Mechanisms of Iron absorption and transport in peach rootstocks. **PhD.** Agricultural University of Athens. Dep. of Agricultural Biotechnology.
2. Isaakidis, A., Sotiropoulos, Th., **Assimakopoulou, A.** and Stylianidis, D. 2002. Methods to improve reliability of leaf analysis results for Iron-deficiency in Kiwi fruits. *Agrochimica*, 43 (3-4): 138/145.
3. Troyanos, Y.E., **A. Assimakopoulou** and E. Moustaka. 2004. Effect of the nitrogen fertilization on the yield and nitrogen concentration of lettuce (*Lactuca sativa* L. cv. Toledo). *Annals of the Benaki Phytopathological Institute (νυν τίτλος Hellenic Plant Protection Journal)*, 20: 20-28.
4. Troyanos, Y.E., **A. Assimakopoulou** and E. Moustaka. 2004. Effect of nitrogen application on the growth and concentration of total nitrogen and nitrates in Butterhead (cv. Divina) and Romaine (cv. Toledo) lettuce grown in nutrient solution. *Annals of the Benaki Phytopathological Institute (νυν τίτλος Hellenic Plant Protection Journal)*, 20: 29-44.
5. **Assimakopoulou, A.** 2005. Effect of iron supply and nitrogen form on growth, nutritional status and ferric reducing activity of spinach in nutrient solution culture. *Scientia Horticulturae*, 110: 21-29.
6. De Kreij, C., V. Kavvadias, **A. Assimakopoulou** and A. Paraskevopoulos. 2007. Development of fertigation for trickle irrigated vegetables under Mediterranean conditions. *International Journal of Vegetable Science (προηγούμενος τίτλος: Journal of Vegetable Crop Production)*, Volume 13 (2): 81-99.
7. **Assimakopoulou, A.**, Y.E. Troyanos and Ch. Tsougrianis. 2008. Effect of different rates of nitrogen application on some micronutrients concentration in lettuce and spinach. *Hellenic Plant Protection Journal* 1: 26-31 (*προηγούμενος τίτλος: Annals of the Benaki Phytopathological Institute*).
8. **Assimakopoulou, A.**, Ch. Tsougrianis, K. Elena, C. Fasseas and G. Karabourniotis. 2009.

- Pre-harvest rind-spotting in 'Clementine' mandarin. *Journal of Plant Nutrition* 32 (9): 1486 – 1497.
9. **Assimakopoulou, A.** and K. Elena. 2010. Is there an influence of inorganic nutrition on the susceptibility of the pistachio to *Camarosporium pistaciae*? *Options Méditerranéennes, Série A*, 94: 181-185.
 10. **Anna Assimakopoulou**, Constantin D. Holevas, and Konstantinos Fasseas. 2011. The relative susceptibility of some *Prunus* rootstocks in hydroponics to iron deficiency. *Journal of Plant Nutrition* 34 (7): 1014-1033.
 11. **Anna Assimakopoulou** and Charikleia Tsougrianis. 2012. Correlation between yield, must attributes and nutritional status of the Greek red wine grape variety 'Agiorgitiko'. *Journal of Plant Nutrition* 35: 1022-1036.
 12. **A. Assimakopoulou**, K. Nifakos and K. Agelopoulos. 2012. Inorganic Nutrition Differences between Own-rooted and Grafted Vineyards of the Greek Wine Grape Variety 'Agiorgitiko'. *Acta Horticulturae* 931: 267-272.
 13. **A. Assimakopoulou**, Anastasios Kotsiras, and K. Nifakos. 2013. The incidence of lettuce tipburn as related to hydroponic system and cultivar. *Journal of Plant Nutrition* 36: 1383-1400.
 14. **A. Assimakopoulou**, K. Nifakos, I. Salmas, and N. Alyfantis. 2013. Preliminary study of the nutritional status of pistachio in Aegina, Greece. *Communications in Soil Science and Plant Analysis* 44 (1-4): 356-365.
 15. **A. Assimakopoulou**, K. Nifakos, P. Kalogeropoulos, I. Salmas and K. Agelopoulos. 2014. Response of ungrafted rootstocks and rootstocks grafted with wine grape varieties (*Vitis* sp.) to 'lime-induced chlorosis'. Accepted in *Journal of Plant Nutrition (in press)*.
 16. **A. Assimakopoulou**, K. Nifakos, I. Salmas, and P. Kalogeropoulos. 2014. Growth, ion uptake and yield responses of three indigenous small-sized Greek tomato (*Lycopersicon esculentum* L.) cultivars and four hybrids of cherry tomato under NaCl salinity stress. (Accepted in *Comm. Soil Sci. Plant Anal.*).
 17. **A. Assimakopoulou**, K. Nifakos, I. Salmas, and P. Kalogeropoulos. 2015. Effect of Salt Stress on Three Green Bean (*Phaseolus vulgaris* L.) Cultivars. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*, 43(1):XXX-XXX. DOI:10.15835/nbha4319905.
 18. Eleni Manolopoulou, **Anna Assimakopoulou**, Kallimachos Nifakos, Ioannis Salmas and Panagiotis Kalogeropoulos. The Influence of NaCl Salinity on the Physiology and Quality of Four Cherry Tomato Fruits. *Journal of Food & Nutritional Disorders*.
<C:\Users\ADMIN\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Outlook\BOSH4B1X\Food Nutrition Journals Peer Reviewed High Impact Articles.htm>
 19. **A. Assimakopoulou**, I. Salmas, P.A. Roussos, K. Nifakos, P. Kalogeropoulos, and G. Kostelenos. 2017. Salt tolerance evaluation of nine indigenous Greek olive cultivars. (*Journal of Plant Nutrition*).
 20. De Kreij, C., V. Kavvadias, **A. Assimakopoulou**, Chr. Paschalidis, A. Paraskevopoulos, A. Geneadopoulos and D. Lagopoulos. 2005. Fertigation: I. Methodology of 1:2 volume water extract. '*Proceedings of National conference with International participation 'Management, Use and Protection of soil resources'*', 15-19 May 2005, Sofia, Bulgaria.
 21. Kavvadias, V., C. de Kreij, Chr. Paschalidis, **A. Assimakopoulou**, A. Paraskevopoulos, D. Lagopoulos and A. Geneadopoulos. 2005. Fertigation: II. Experiments in Greece with greenhouse grown tomato and cucumber on two soil types. '*Proceedings of National conference with international participation 'Management, Use and Protection of soil resources'*', 15-19 May 2005, Sofia, Bulgaria.
 22. Vemmos, S., **A. Assimakopoulou** and A. Kontopoulos. 2006. Initial results from a study of soil fertility and leaf nutrient status in conventional and organic olive orchards. OliveBioteq 2006, International Conference for olive tree and olive products. 5-10 November 2006, Marsala - Mazara del Vallo, Italy. Proceedings 2: 201-204.
 23. **Assimakopoulou A.**, Ch. Tsougrianis, K. Elena, C. Fasseas, G. Karabourniotis, E. Drolia

- and D. Dimou. 2007. Investigation on ‘Clementine’ mandarin rind-spotting in maturity. *1st Symposium on Horticulture in Europe*, 17-20 February 2008, Vienna, Austria, Book of Abstracts, ISSN 1996-9449, pp 223-224. (**AIK. Z23**)
24. **Assimakopoulou, A.** and K. Elena. 2008. Is there an influence of inorganic nutrition on the susceptibility of the pistachio to *Camarosporium pistaciae*? XIV Meeting of the Mediterranean Research Group for Almond and Pistachio (GREMPA). Athens, Greece, 30 March - 4 April 2008 (Book of Abstracts, ISSN 1996-9449, pp 145).
 25. **Anna Assimakopoulou** and Charikleia Tsougrianis. 2009. Rootstock and trellis system effects on nutritional status of the Greek wine grape variety ‘Agiorgitiko’. XXXII World Congress of Vine and Wine (by: Organization Internationale de la vigne et du vin). Zagreb, Croatia, 28 June – 3 July 2009 (Book of Abstracts, ISBN 978-953-6718-11-5, pp 240).
 26. **A. Assimakopoulou**, K. Nifakos and K. Agelopoulos. 2010. Inorganic Nutrition Differences between Own-rooted and Grafted Vineyards of the Greek Wine Grape Variety ‘Agiorgitiko’. 28th International Horticultural Congress (by: International Society of Horticultural Science). Lisbon, Portugal. August 22-27, 2010. (Book of Abstracts, Vol. II., p 731).
 27. **A. Assimakopoulou**, A. Vitoratos, Y. Troyanos and D. Velissariou. 2010. Effect of Nitrogen Level and Form on Growth and Nitrate Content of Spinach in Hydroponics. 28th International Horticultural Congress (by: International Society of Horticultural Science). Lisbon, Portugal. August 22-27, 2010. (Book of Abstracts, Vol. II., p 623).
 28. **A. Assimakopoulou**, K. Nifakos, I. Salmas, and N. Alyfantis. 2011. Preliminary study of the nutritional status of pistachio in Aegina, Greece. 12th International Symposium on Soil and Plant Analysis (by: Soil and Plant Analysis Council-SPAC). Chania, Greece, June 6-10, 2011.
 29. Roussos, P.A., A. Dimou, **A. Assimakopoulou**, D. Gasparatos and G. Kostelenos. 2011. Growth and nutrient status of five Greek olive (*Olea europaea* L.) varieties subjected to sodium chloride stress. OliveBioteq 2011 International Conference for olive tree and olive products. Chania, Greece, October 31-4 November, 2011.
 30. **A. Assimakopoulou**, I. Salmas, K. Nifakos and K. Bakasietas. 2013. Preliminary studies on grapevine asexual propagation by using Deep Flow hydroponics. 3rd International Symposium - Ampelos 2013. Santorini, Greece, May 30-31, 2013.
 31. **A. Assimakopoulou**, I. Salmas, K. Nifakos, P. Kalogeropoulos, P.A. Roussos and G. Kostelenos. 2014. Effects of NaCl salinity on growth and ion content of nine Greek olive varieties. Plant biology Europe. FESPB/EPSO 2014 Congress. 22nd - 26th June 2014, Dublin, Ireland. Abstract book presentations pp41.
 32. **A. Assimakopoulou**, **K. Nifakos**, **I. Salmas** and **P. Kalogeropoulos**. 2014. Growth, ion uptake and yield responses of three Greek small-sized tomato (*Lycopersicon esculentum* L.) cultivars and four hybrids of cherry tomato under NaCl salinity stress. Plant biology Europe. FESPB/EPSO 2014 Congress. 22nd - 26th June 2014, Dublin, Ireland. Abstract book presentations pp42.
 33. Asproumougos, I., Glynos, P., **Assimakopoulou, A.** and Chitzanidis, A., 1996. Susceptibility of wounded sour orange trees to artificial and natural infections by *Phoma tracheifila*. *Summaries of papers presented at 7th Hellenic Phytopathological Congress*, Athens, Greece, November 8-10, 1996. *Phytopathologia Mediterranea* 35: 227 (Abstract).
 34. Elena, K., Paplomatas, E.J. and **Assimakopoulou, A.**, 2000. A new *Phytophthora* species for pear in Greece. *Summaries of papers presented at 8th Hellenic Phytopathological Congress*, Heraklion, Greece, October 22-24, 1996. *Phytopathologia Mediterranea* 39: 328 (Abstract).
 35. **Assimakopoulou, A.**, Velissariou, D. and Georgopoulos, V., 2001. Calcium levels in peach fruits showing symptoms of the disorder known as “blossom end rot”. *Summaries of papers presented at 9th Hellenic Phytopathological Congress*, Athens, Greece, October 20-22, 1998. *Phytopathologia Mediterranea* 40: 85 (Abstract).
 36. **Assimakopoulou, A.** and Holevas, C. D., 2001. Screening different peach rootstocks, grown

- in nutrient solution, for iron efficiency by using the iron reducing capacity of the roots. *Summaries of papers presented at the 10th Hellenic Phytopathological Congress*, Kalamata, Greece, October 3-5, 2000. *Phytopathologia Mediterranea* 40:198 (Abstract).
37. **Assimakopoulou, A.** and Fasseas, C., 2001. Effects of iron deficiency on the morphology of the root system of some peach rootstocks. *Summaries of papers presented at the 10th Hellenic Phytopathological Congress*, Kalamata, Greece, October 3-5, 2000. *Phytopathologia Mediterranea* 40:197 (Abstract).
 38. **Assimakopoulou, A.** and Holevas, C. D., 2006. Susceptibility to Iron deficiency of some peach rootstocks grown in nutrient solutions. *Summaries of papers presented at the 11th Hellenic Phytopathological Congress*, Parga, Greece, October 1-4, 2002. *Phytopathologia Mediterranea* 45:67 (Abstract).
 39. **Assimakopoulou, A.**, Troyanos, G. and Vitoratos, A., 2006. Effect of nitrogen on the concentration of micronutrients in spinach. *Summaries of papers presented at 11th Hellenic Phytopathological Congress*, Parga, Greece, October 1-4, 2002. *Phytopathologia Mediterranea* 45:76 (Abstract).
 40. Troyanos, Y. and **Assimakopoulou, A.**, 2006. Nitrate critical concentrations in lettuce plants. *Summaries of papers presented at 11th Hellenic Phytopathological Congress*, Parga, Greece, October 1-4, 2002. *Phytopathologia Mediterranea* 45:81 (Abstract).
 41. Velissariou, D., **Assimakopoulou, A.** and Kolokoutsas, A., 2006. Physiological stress on clovers due to ozon toxicity. 2002. *Summaries of papers presented at 11th Hellenic Phytopathological Congress*, Parga, Greece, October 1-4, 2002. *Phytopathologia Mediterranea* 45:75 (Abstract).
 42. **Assimakopoulou, A.**, 2006. Effects that different Fe levels and N forms in the nutrient solution have on growth, leaf nutrient concentration, and the Fe³⁺ reduction capacity of root in spinach. *Summaries of papers presented at 12th Hellenic Phytopathological Congress*, Kastoria, Greece, October 12-15, 2004. *Phytopathologia Mediterranea* 45:183 (Abstract).
 43. **Assimakopoulou, A.**, Troyanos, G. and Tsougrianis, Ch., 2006. Effect of different rates of nitrogen fertilization on the concentration of micronutrients in field-grown lettuce. *Summaries of papers presented at 12th Hellenic Phytopathological Congress*, Kastoria, Greece, October 12-15, 2004. *Phytopathologia Mediterranea* 45:184 (Abstract).
 44. **Assimakopoulou, A.**, Elena, K., Vlachoyannis, D. and Georgopoulos, V., 2006. Susceptibility of pistachio (*Pistacia vera* L.) to *Camarosporium pistaciae* in relation to the tree nutrient status. *Summaries of papers presented at 12th Hellenic Phytopathological Congress*, Kastoria, Greece, October 12-15, 2004. *Phytopathologia Mediterranea* 45:183 (Abstract).
 45. Troyanos, G., Moustaka, E. and **Assimakopoulou, A.**, 2006. Critical concentrations of nitrogen and nitrate in leaves of Romaine (cv. Toledo) and Butterhead (cv. Divina) lettuce. *Summaries of papers presented at 12th Hellenic Phytopathological Congress*, Kastoria, Greece, October 12-15, 2004. *Phytopathologia Mediterranea* 45:184 (Abstract).
 46. **A. Assimakopoulou**, Fasseas, C., Elena, K., and Dimou, D., 2008. Further investigation on 'Clementine' mandarin rind-spotting in maturity. *Summaries of papers presented at 13th Hellenic Phytopathological Congress*, Athens, Greece, October 16-19, 2006. *Phytopathologia Mediterranea* 47: 161-162.
 47. **Assimakopoulou, A.** and Tsougrianis, Ch. 2008. Nutritional status of the grape wine variety 'Agiorgitiko' in relation to rootstock and trellis system. *Summaries of papers presented at 13th Hellenic Phytopathological Congress*, Athens, Greece, October 16-20, 2006. *Phytopathologia Mediterranea* 47: 162.
 48. **A. Assimakopoulou**, A. Kotsiras and K. Nifakos. 2009. Effect of the variety and the growth substrate in the intensity of tip-burn in spring lettuce. *Summaries of papers presented at 14th Hellenic Phytopathological Congress*, Athens, Greece, October 16-20, 2006. *Phytopathologia Mediterranea* 48: 329.