

CURRICULUM VITAE

of

Dr. CHRISTOS A. CHATZISSAVVIDIS

Professor

Democritus University of Thrace
School of Agricultural Science and Forestry
Department of Agricultural Development
Laboratory of Pomology-Vegetable Crops-Floriculture

Orestiada, Greece, 2024

PERSONAL DATA

Name: Christos

Surname: Chatzissavvidis

Father's name: Alexandros

Gender: Male

Year of birth: 1972

Nationality: Greek

Current position: Professor

Affiliation: Laboratory of Pomology-Vegetable Crops-Floriculture, School of Agricultural and Forestry Sciences, Dept. of Agricultural Development, Democritus University of Thrace

Mailing address: Pantazidou 193 str., Orestiada GR-68200, Greece

Tel. number at work: 0030-25520-41113

Fax number at work: 0030-25520-41191

E-mail address: cchatz@agro.duth.gr

Google Scholar: <https://scholar.google.com/citations?user=SnVSrTYAAAAJ&hl=el>

ResearchGate: https://www.researchgate.net/profile/Christos_Chatzissavvidis

LinkedIn: <https://www.linkedin.com/in/christos-chatzissavvidis-60688360/>

ORCID ID: 0000-0003-3448-6101

ACADEMIC RECORD

• B.Sc. in Agriculture, School of Agriculture, Aristotle University of Thessaloniki (AUT)

• M.Sc. in Plant Breeding and Physiology, School of Agriculture, AUT.

M.Sc. thesis title: 'Seasonal variation of nutrient elements concentration in olive (*Olea europaea* L.) plants cv. Chondrolia Chalkidikis and Amfissis irrigated with high boron water'

• Ph.D., Laboratory of Pomology, School of Agriculture, AUT.

Ph.D. thesis title: 'Study of boron toxicity in olive tree'

Foreign languages

English (Certificate of Proficiency in English, Univ. of Michigan)

Italian (Diploma di Lingua Italiana, Istituto Italiano di Cultura di Salonicco)

French (Certificat de Langue Française, Institut Français de Thessalonique)

RESEARCH/ PROFESSIONAL EXPERIENCE

A) Co-operator at the Institute of Soil Science of Thessaloniki, Department of Soil Fertility and Plant Nutrition (ELGO-DIMITRA, formerly ETHIAGE)(2002-2005).

B) Scientist responsible of the Democritus University of Thrace in "Social Agri-Entrepreneurship for People with Special Needs in the Cross-Border Region". Funding Agency: INTERREG V-A Greece - Bulgaria 2014-2020 Cooperation Program (European Regional Development Fund and National resources). Time period: 10/2017- 7/2021. (Project Code 81979)

C) Member of the coordinating group of 7 members in the program "Psychosocial Support and Accessibility Structure for the Students of Democritus University of Thrace" Action "Supporting social care interventions for students of the Democritus University of Thrace". Duration: 2+ years.

D) Member of scientific group in "PLAN FOR STRENGTHENING THE COMPETITIVENESS OF THE PRIMARY SECTOR IN THE PAMTH, IMPROVING PRODUCTION METHODS AND DEVELOPING INNOVATIVE PROMOTION TOOLS." (Project Code 83025)

E) “Targeted agricultural practices for improved fruit setting and reduced olive drop as adaptation of olive tree cultivation to climate change” (Project Code 83257) Scientist responsible: Chatzissavvidis Christos

EDUCATIONAL ACTIVITY

Technological and Educational Institute of Thessaloniki

Scientific co-operator (2003-2005): Leaf diagnosis, Olive Production

Democritus University of Thrace, Dept. of Agricultural Development, Laboratory of Pomology

Adjunct lecturer 407/80 (2002-2005), Lecturer (2005-2010), Assistant Professor (2010-2015), Associate Professor (2015-2020) and Full Professor (2020-today): General Pomology, Specialized Pomology- Deciduous fruit trees, Specialized Pomology- Evergreen fruit trees, Plant Physiology, Fruit Tree Physiology (M.Sc. program)

RESEARCH INTERESTS

Fruit tree nutrition and physiology; Stress response of fruit trees; Boron nutrition in plants; Applied physiology of fruit trees; Propagation of fruit trees; New – alternative crops in pomology

OTHER SCIENTIFIC ACTIVITIES

Reviewer in scientific journals:

Acta Agric. Scandinavica Soil and Plant Science, Acta Physiologiae Plantarum, Agronomy, Archives of Agronomy and Soil Science, Biologia Plantarum, Brazilian Journal of Botany, Central European Journal of Biology, Ciencia e Agrotecnologia, Communications in Soil Science and Plant Analysis, Ecotoxicology and Environmental Safety, European Journal of Horticultural Science, Frontiers in Plant Science, Horticulturae, Horticultural Science, HortScience, Journal of Agric. Science and Technology, Journal of Agricultural Science, Journal of Experimental Botany (PHYTON), Journal of Plant Nutrition and Soil Science, Journal of Plant Physiology, Journal of Plant Nutrition, Journal of Soil Science and Plant Nutrition, Journal of the Science of Food and Agriculture, Pedosphere, Pesquisa Agropecuária Brasileira, Plant Physiology & Biochemistry, Plants, Plos One, Scientia Horticulturae, Soil Science and Plant Nutrition, Spanish Journal of Agricultural Science, Technology in Horticulture, Tree Physiology

- **Review Editor** of the journal Frontiers in Plant Science- Plant Nutrition (MDPI)

- **Review Editor** of the journal Frontiers in Horticulture – Viticulture, Pomology and Soft Fruits (MDPI)

- **Associate Editor** of the journal Technology in Horticulture (Maximum Academic Press)

- **Guest Editor** of Special Issue “Fruit Crops Physiology and Nutrition” of the journal Applied Sciences (MDPI)

Member of scientific organizations

- International Society for Horticultural Science (ISHS)
- Greek Society for Horticultural Science
- Scientific Society of Olive Encyclopaedists

PUBLICATIONS

Scientific journals

1. Chatzissavvidis C.A., Therios I.N. and Antonopoulou C. 2004. Seasonal variation of nutrient concentration in two olive (*Olea europaea* L.) cultivars irrigated with high boron water. *Journal of Horticultural Science and Biotechnology*, 79(5): 683-688.
2. Antonopoulou C., Dimassi K., Therios I. and Chatzissavvidis C. 2004. The influence of radiation quality on the *in vitro* rooting and nutrient concentrations of peach rootstock. *Biologia Plantarum*, 48(4): 549-553.
3. Chatzissavvidis C.A., I.N. Therios and A.N. Molassiotis. 2005. Seasonal variation of nutritional status of olive plants as affected by boron concentration in nutrient solution. *Journal of Plant Nutrition*, 28: 309-321.
4. Molassiotis A., Therios I., Dimassi K., Diamantidis G. and Chatzissavvidis C. 2005. Induction of Fe(III)-chelate reductase activity by ethylene and salicylic acid in iron-deficient peach rootstocks explants. *Journal of Plant Nutrition*, 28(4): 669-682.
5. Almaliotis D., D. Velemis, A. Mattheou[†], T. Sotiropoulos, C. Chatzissavvidis. 2004. Sufficiency leaf nutrient levels of vines in relation to fruit yield and quality. *Journal of Balkan Ecology*, 7(3): 274-281.
6. Antonopoulou C., Dimassi K., Therios I., Chatzissavvidis C., Tsirakoglou V. 2005. Inhibitory effects of riboflavin (vitamin B₂) on the *in vitro* rooting and nutrient concentration of explants of peach rootstock GF 677 (*Prunus amygdalus* x *P. persica*). *Scientia Horticulturae*, 106: 268-272.
7. Almaliotis D., D. Velemis, C. Chatzissavvidis, T. Sotiropoulos and S. Bladenopoulou. 2005. Sufficiency leaf nutrient levels of apple trees in relation to fruit yield. *Journal of Balkan Ecology*, 8(2): 151-157.
8. Almaliotis D., N. Karagiannidis, S. Bladenopoulou, A. Papadopoulos and C. Chatzissavvidis. 2005. Nutritional status of olive trees in relation to fruit yield. *Journal of Balkan Ecology*, 8(2): 159-165.
9. Almaliotis D., C. Chatzissavvidis, S. Bladenopoulou and D. Velemis. 2006. Nutritional status of maize in relation to crop yield at Vegoritis district in northern Greece. *Journal of Balkan Ecology*, 9(1): 71-76.
10. Almaliotis D., Chatzissavvidis C., Bladenopoulou S. and Velemis D. 2006. Nutritional status of cotton in relation to crop yield at Thrace district in northern Greece. *Journal of Balkan Ecology*, 9(1): 77-82.
11. Avramaki E., Chatzissavvidis C. and Papadakis I. 2006. Effects of different iron sources on mineral concentration in gardenia (*Gardenia jasminoides* Ellis) plants. *Journal of Biological Research*, (IF: 1,364), 6: 227-230.
12. Avramaki E., Chatzissavvidis C. and Papadakis I. 2007. Effects of NaCl and Fe-EDDHA concentration on salt toxicity and chemical composition of gardenia (*Gardenia jasminoides* Ellis) plants. *Journal of Biological Research*, 7: 99-104.
13. Avramaki E., Chatzissavvidis C., Papadakis I. and I. Therios. 2007. Enhancement of P, K, Ca, Zn and Fe accumulation in gardenia plants (*Gardenia jasminoides*) grown in nutrient solution as a function of P and Fe interaction. *Bulgarian Journal of Agricultural Science*, 13: 325-331.
14. Papadakis I.E., Veneti G., Chatzissavvidis C., Sotiropoulos T.E., Dimassi K.N. and Therios I.N. 2007. Growth, mineral composition, leaf chlorophyll and water relationships of two cherry varieties under NaCl-induced salinity stress. *Soil Science and Plant Nutrition*, 53: 252-258.

15. Almaliotis D., Chatzissavvidis C., Marnasidis S., Sotiropoulos T. and Papadakis I., 2007. The effect of different fertilizers on nutritional status and fruit quality of the clingstone peach cv. Andross. *Agrochimica*, 51 (4-5): 244-253.
16. Antonopoulou C., Dimassi K., Therios I., Chatzissavvidis C. and Papadakis I. 2007. The effect of Fe-EDDHA and of ascorbic acid on *in vitro* rooting of the peach rootstock GF-677 explants. *Acta Physiol. Plantarum*, 29: 559-561.
17. Chatzissavvidis C.A., I.N. Therios and C. Antonopoulou. 2007. Effect of nitrogen source on olives growing in soils with high boron content. *Australian Journal of Experimental Agriculture* (σήμερα: *Australian Society of Animal Production*), 47: 1491-1497.
18. Chatzissavvidis C., I. Therios, C. Antonopoulou and K. Dimassi. 2008. Effects of high boron concentration and scion-rootstock combination on growth and nutritional status of olive plants. *Journal of Plant Nutrition*, 31: 638-658.
19. Papadakis I., Chatzissavvidis C., Therios I. and E. Protopapadakis. 2008. Changes in leaf Mn concentrations in mature 'Washington Navel' orange trees with different Mn status after a single foliar application of MnSO₄. *European Journal of Horticultural Science*, 73(4): 162-165.
20. Chatzissavvidis C., Veneti G., Papadakis I. and Therios I. 2008. Effect of NaCl and CaCl₂ on the antioxidant mechanism of leaves and stems of the rootstock CAB-6P (*Prunus cerasus* L.) under *in vitro* conditions. *Plant Cell, Tissue & Organ Culture*, 95: 37-45.
21. Koukoulakis P.H., Papadopoulos A., Chatzissavvidis C., Paschalides C.H. and V. Kavvadias. 2008. The effect of N and Zn and their interrelationships in maize nutrition grown in calcareous soils. *Bulgarian Journal of Ecological Science - Ecology and Future*, vol. 7, No 2, 25-28.
22. Almaliotis D., Karagiannidis N., Chatzissavvidis C., Sotiropoulos T. and Bladenopoulou S., 2008. Mycorrhizal colonization of table grapevines (cv. Victoria) and its relationship with certain soil parameters and plant nutrition. *Agrochimica*, LII- N.3 May-June: 129-136.
23. Chatzissavvidis C., I. Papadakis and I. Therios. 2008. Effect of calcium on the ion status and growth performance of a citrus rootstock grown under NaCl stress. *Soil Science and Plant Nutrition*, 54: 910-915.
24. Chouliaras V., Tasioula-Margari M., Chatzissavvidis C., Therios I. and Tsabolatidou E. 2009. The effects of a seaweed extract in addition to nitrogen and boron fertilization on productivity, fruit maturation, leaf nutritional status and oil quality of the olive (*Olea europaea* L.) cultivar Koroneiki. *Journal of the Science of Food and Agriculture*, 89: 984-988.
25. Chatzissavvidis C., C. Antonopoulou, I. Papadakis, I. Therios and K. Dimassi. 2010. Effects of NAA and vitamin B2 on *in vitro* rooting of *Citrus*. *Acta Agriculturae Scandinavica Section B-Plant Soil Science*, 60:189-192.
26. Chatzissavvidis C. and Therios I. 2010. Response of four olive (*Olea europaea* L.) cultivars to six B concentrations: growth performance, nutrient status and gas exchange parameters. *Scientia Horticulturae*, 127: 29-38.
27. Antoniadis V., Paparnakis A. and Chatzissavvidis C. 2012. Boron behavior in apple plants in acidic and limed soil. *Journal of Plant Nutrition and Soil Science*, 176:267-272.
28. Koukoulakis P., Chatzissavvidis C., Papadopoulos A. and Pontikis D. 2012. Interactions between leaf macro, micronutrients and soil properties in pistachio (*Pistacia vera* L.) orchards. *Acta Botanica Croatica*, 72: 295-310.
29. Saykhul A., Chatzistathis T., Chatzissavvidis C., Koundouras S., Therios I., Dimassi K. 2013. Potassium utilization efficiency of three olive cultivars grown in a hydroponic system. *Scientia Horticulturae*, 162: 55-62.

30. Paparnakis A., Chatzissavvidis C. and Antoniadis V. 2013. How apple responds to boron excess in acidic and limed soil. *Journal of Soil Science and Plant Nutrition*, 4:787-796.
31. Chatzissavvidis C., Antonopoulou C., Therios I. and Dimassi K. 2013. Responses of trifoliolate orange (*Poncirus trifoliata* (L.) Raf.) to continuously and gradually increasing NaCl concentration. *Acta Botanica Croatica*, 73: 275-280.
32. Saykhul A., Chatzissavvidis C., Dimassi K., Therios I., Chatzistathis T. 2014. Growth and nutrient status of olive plants as influenced by foliar potassium applications. *Journal of Soil Science and Plant Nutrition*, 14(3):602-615.
33. Saykhul A., Chatzistathis T., Chatzissavvidis C., Therios I., Dimassi-Theriou K. 2014. Root growth of cultivated and 'wild' olive in response to potassium mineral nutrition. *Journal of Plant Nutrition* 39:1513-1523.
34. Koulymboudi L., Papafilippou A., Tzanoudaki M. and Chatzissavvidis C. 2014. Effect of nitrogen form on trifoliolate orange (*Poncirus trifoliata*) and sour orange (*Citrus aurantium*) plants grown under saline conditions. *Turkish Journal of Agricultural and Natural Sciences*, 2: 1596-1605.
35. Sarafi E., Chatzissavvidis C. and I. Therios. 2014. Effect of calcium and boron on the ion status, carbohydrate and proline content, gas exchange parameters and growth performance of pomegranate cv. Wonderful plants grown under NaCl stress. *Turkish Journal of Agricultural and Natural Sciences*, 2: 1606-1617.
36. Sarropoulou V., Chatzissavvidis C., Dimassi-Theriou K., Therios I. 2015. Effect of asparagine, cysteine, citrulline, and glutamine on *in vitro* rooting and biochemical constituents in cherry rootstocks. *Biologia Plantarum* 60(1):1-12.
37. Mastrogiannidou E., Chatzissavvidis C., Antonopoulou C., Tsampardoukas V., Giannakoula A., Therios I. 2016. Response of pomegranate cv. Wonderful plants to salinity. *Journal of Soil Science and Plant Nutrition* 16(3): 621-636.
38. Sarafi E., C. Chatzissavvidis, I. Therios. 2017. Response of two pomegranate (*Punica granatum* L.) cultivars to six boron concentrations: Growth performance, nutrient status, gas exchange parameters, chlorophyll fluorescence and proline and carbohydrate content. *Journal of Plant Nutrition* 40: 983-994.
39. Sarafi E, Tsouvaltzis P, Chatzissavvidis C, Siomos A., Therios I. 2017. Melatonin and resveratrol reverse the toxic effect of high B and modulate biochemical parameters in pepper plants (*Capsicum annum* L.). *Plant Physiol. Biochem.* 112:173-182.
40. Sarafi E., Siomos A., Tsouvaltzis P., Chatzissavvidis C., Therios I. 2017. Boron toxicity effects on grafted and non-grafted pepper (*Capsicum annum* L.) plants. *Journal of Soil Science and Plant Nutrition* 17: 441-460.
41. Sarafi E., Siomos A., Tsouvaltzis P., Therios I., Chatzissavvidis C. 2017. The influence of boron on pepper plants nutritional status and nutrient efficiency. *Journal of Soil Science and Plant Nutrition* 18:653-667.
42. Antonopoulou C., Dimassi K., Therios I., Chatzissavvidis C. 2017. Does dikegulac affect *in vitro* shoot proliferation and hyperhydricity incidence in olive explants? *Horticultural Science* 45(3):125-130.
43. Sarafi E., A. Siomos P. Tsouvaltzis, C. Chatzissavvidis. I. Therios. 2017. Boron and maturity effects on biochemical parameters and antioxidant activity of pepper (*Capsicum annum* L.) cultivars. *Turk. J. Agric. & Forestry* 42:237-247.

44. Papadakis I.E., Veneti G., Chatzissavvidis C. and Therios I. 2018. Physiological and growth responses of sour cherry (*Prunus cerasus* L.) plants subjected to short-term salinity stress. *Acta Botanica Croatica* 77(2): 197-202.
45. Sarafi E., A. Siomos P. Tsouvaltzi, I. Therios, C. Chatzissavvidis. 2018. Boron toxicity effects on the concentration of pigments, carbohydrates and nutrient elements in six non-grafted pepper cultivars (*Capsicum annuum* L.) influenced by high boron. *Indian J. Plant Physiology* (new name: *Plant Physiology Reports*) 23: 474-485.
<https://link.springer.com/article/10.1007/s40502-018-0388-2>
46. Papadakis I.E., C. Antonopoulou, C. Chatzissavvidis, E. Protopapadakis, I. Therios. 2018. Rootstock effects on nutritional status, yield and fruit quality of 'Washington navel' sweet orange [*Citrus sinensis* (L.) Osbeck] trees. *Agrochimica* LXII, N.4 367-378.
47. Chatzistathis T., Papadakis I.E., Papaioannou A., Chatzissavvidis C., Giannakoula A. 2020. Comparative study effects between manure application and a controlled-release fertilizer on the growth, nutrient uptake, photosystem II activity and photosynthetic rate of *Olea europaea* L. (cv. 'Koroneiki'). *Scientia Horticulturae* 264: article 109176
48. Sotiropoulos S., Paschalidis Ch., Kavvadias V., Chatzissavvidis C., Koriki A., Xirogiannis G. 2020. Effect of N-P-K fertilization on the yield and nutrient status of fig (*Ficus carica* L. cv. Kalamon) trees grown under Mediterranean conditions. *International Journal of Fruit Science* 20: S1920-S1928 (<https://doi.org/10.1080/15538362.2020.1836706>)
49. García-Sánchez F., Simón-Grao S., Martínez-Nicolás J.J., Alfosea-Simón M., Liu C., Chatzissavvidis C., Perez-Perez J.G., Cámara-Zapata J.M. 2020. Multiple stresses occurring with boron toxicity and deficiency in plants. *Journal of Hazardous Materials* 397: <https://doi.org/10.1016/j.jhazmat.2020.122713> (IF₂₀₂₂=14,22)
50. Dichala O., Therios I., Papadopoulos A., Chatzistathis T., Chatzissavvidis C., Antonopoulou C. 2021. Effects of varying concentrations of different salts on mineral composition of leaves and roots of three pomegranate (*Punica granatum* L.) cultivars. *Scientia Horticulturae* 275, 109718
51. Giannakoula A., Therios I., Chatzissavvidis C. 2021. Lead and copper toxicity in *Citrus aurantium* L. plants. Changes in photosynthetic and chlorophyll fluorescence parameters, pigments, antioxidant capacity lipid peroxidation and hydrogen peroxide concentration. *Plants* 10: 1-4.
52. Koulymboudi L., Papafilippou A., Tzanoudaki M., Chatzissavvidis C., Salamalakis V. 2021. Effect of nitrogen form on trifoliolate orange (*Poncirus trifoliata* (L.) Raf.) and sour orange (*Citrus aurantium* L.) plants grown under saline conditions. *Journal of Plant Nutrition* 44(17): 2546-2558 <https://doi.org/10.1080/01904167.2021.1918713>
53. Zafeiriou E., Chatzissavvidis C., Antonopoulou C., Arabatzis G. 2021. Sweet chestnut and agricultural development: A farmers' perspective for Northern Greece. *International Journal of Agricultural Sustainability* 20: 199-215.
54. Sotiropoulos S., Chatzissavvidis C., Papadakis I., Kavvadias V., Paschalidis C., Antonopoulou C., Koriki A. 2022. Inorganic and organic foliar fertilization in olive. *Horticultural Science* 50: 1-11.
55. Chatzistathis T., Chatzissavvidis C., Papaioannou A., Papadakis I. E. 2023. Independent or combinational application of sheep manure and litter from indigenous field vegetation of *Quercus* sp. influences nutrient uptake, photosynthetic rate, intrinsic water use efficiency and leaf sugar concentrations in olive plants. *Applied Sciences* 13(2), 1127; <https://doi.org/10.3390/app13021127>

56. Koulympoudi L., Chatzissavvidis C. and Giannakoula A. 2023. Physiological and biochemical responses of apple (*Malus domestica* Borkh.) to biostimulants application and substrate additives under salinity stress. *Applied Sciences*. 13(3), 1290; <https://doi.org/10.3390/app13031290>
57. Antonopoulou C., Papadakis I., Sotiropoulos T., Chatzissavvidis C., Therios I. 2023. Effect of magnesium on mineral nutrition, chlorophyll, proline and carbohydrate concentrations of sweet orange (*Citrus sinensis* cv. Newhall) plants. *Applied Sciences*. 13(14): 7995. <https://doi.org/10.3390/app13147995>.
58. Sotiropoulos S., Chatzissavvidis C., Papadakis I., Kavvadias V., Paschalidis C., Antonopoulou C. and Kiriakopoulos S. 2024. Enhancing the yield of mature olive trees via comparative fertilization strategies, including a foliar application with fulvic and humic acids, in non-irrigated orchards with calcareous and non-calcareous soils. *Horticulturae* 10(2), 167; <https://doi.org/10.3390/horticulturae10020167>
59. Topali C. Antonopoulou C. and Chatzissavvidis C. 2023. Effect of waterlogging on growth and productivity of fruit crops. *Horticulturae*. (Review) 10(6), 623; <https://doi.org/10.3390/horticulturae10060623>

Proceedings of International Conferences

1. Almaliotis D., Bladenopoulou S., Chatzissavvidis C., Karagiannidis N. and Velemis D. 2003. A survey of soil fertility and nutrient status of grapevines (cv. Xinomavro) in Amynteo district. 1st International Congress on Grapevine. 5-7 June 2003, Santorini, Book of proceedings, pp. 125-130.
2. Chatzissavvidis C. and I. Therios. 2003. The effect of different concentrations of boron on the chemical content of one olive (*Olea europaea* L.) cultivar and two olive rootstocks. Proceedings of the International Symposium on “The Olive and the Environment”, Chania, Greece, pp. 214-220.
3. Almaliotis D., Karagiannidis N., Chatzissavvidis C. and Bladenopoulou S. 2003. Leaf nutrient levels in olive trees (cv. Chondrolia Chalkidikis) in relation to crop yield. Proceedings of the International Symposium on “The olive tree and the environment”, Chania, Greece, pp. 221-226.
4. Almaliotis D., S. Bladenopoulou, Ch. Chatzissavvidis and N. Karagiannidis. 2007. Broccoli (*Brassica oleracea* L. var *italica*) yield as affected by soil fertility parameters in Northern Greece. Proc. IIIrd Balkan Symp. on Vegetables and Potatoes. *Acta Horticulturae*, 729: 409-413.
5. Almaliotis D., S. Bladenopoulou, Ch. Chatzissavvidis and I. Boujioukli. 2007. Leaf nutrient levels of snap beans (*Phaseolus vulgaris* L.) in relation to crop yield in Central Macedonia (Northern Greece). Proc. IIIrd Balkan Symposium on Vegetables and Potatoes. *Acta Horticulturae*, 729: 403-407.
6. Almaliotis D., Bladenopoulou S., Karagiannidis N., Chatzissavvidis C., and Mattheou A.[†]. 2006. Soil fertility and nutrient status of vineyards (cv. Victoria). 2nd International Symposium on the evaluation and exploitation of grapes of corresponding terroir through winemaking and commercialization of wines. 1-3 June 2006, Santorini, Book of Proceedings, pp. 173-176.
7. Antonopoulou C., Dimassi K., Chatzissavvidis C., Therios I. and Papadakis I. Effect of BA and GA₃ on the micropropagation and vitrification of olive (*Olea europaea* L.) explants (cv. Chondrolia Chalkidikis). Olivebioteq 2006, 2nd International Seminar, Biotechnology and quality of olive tree products around the Mediterranean basin, Proceedings, vol. I, pp. 477-480.

8. Almaliotis D., N. Karagiannidis, S. Bladenopoulou, A. Papadopoulos and C. Chatzissavvidis, 2008. Rational use of fertilizers in olive orchards in Northern Greece. Proceedings of International Seminar. Greek- Albanian Scientific and Technological Cooperation 2003-2005, Athens, pp. 19-23.
9. Chatzissavvidis C., Therios I., Antonopoulou C. and Giannakoula A. 2008. The behaviour of seven olive (*Olea europaea* L.) cultivars grown on a calcareous soil mixture in relation to iron nutrition. The 6th International Symposium on Olive Growing, 9-13 September 2008, Évora, Portugal, *Acta Horticulturae* 949:177-183 (2012).
10. Antonopoulou C., Dimassi K., Chatzissavvidis C., Papadakis I. and Therios I. 2008. The effect of the explant type and nutrient medium on the *in vitro* proliferation of olive (*Olea europaea* L., cv. Chondrolia Chalkidikis). The 6th International Symposium on Olive Growing, 9-13 September 2008, Évora, Portugal, *Acta Horticulturae* 949: 185-189 (2012).
11. Paparnakis A., Chatzissavvidis C., and Antoniadis V. 2010. The behavior of apple plants (cv. Redchief) grown on acid soil in relation to boron nutrition. Jubilee Scientific Conference with International Participation “Traditions and Challenges of Agricultural Education, Science and Business”, Plovdiv, Bulgaria, Scientific Works, vol. LV, book 1, pp. 303-308.
12. Antonopoulou C., Chatzissavvidis C., Dimassi K., and Therios I. 2010. Effect of medium darkening on *in vitro* rooting of GF 677 and kiwi explants. Jubilee Scientific Conference with International Participation “Traditions and Challenges of Agricultural Education, Science and Business”, Plovdiv, Bulgaria, Scientific Works, vol. LV, book 2, pp. 413-416.
13. Chatzissavvidis C., C. Antonopoulou C., Therios I., Almaliotis D. 2011. Treatments of B deficient olive (*Olea europaea* L. cv. Chondrolia Chalkidikis) trees with a soil and a foliar fertilizer containing B and their effect on nutrient status and yield. Olivebioteq 2011, Proceedings of the 4th International Conference on Olive Culture and Biotechnology of Olive Tree Products. 31 Oct-4 Nov 2011, Chania, Greece. Vol.2:449-454.
14. Saykhul A., Dimassi K., Therios I., Chatzissavvidis C., Koundouras S. 2011. Effect of potassium level and time on photosynthetic parameters of ‘Koroneiki’, ‘Kalamon’ and ‘Arbequina’ cultivars of olive (*Olea europaea* L.). Olivebioteq 2011, Proceedings of the 4th International Conference on Olive Culture and Biotechnology of Olive Tree Products. 31 Oct-4 Nov 2011, Chania, Greece. Vol. 2:459-464.
15. Chouliaras V., Therios I., Chatzissavvidis C., Kouropalatis T. and Mantzoutsos I. 2011. Organic farming fertilization treatments on productivity, skin carotenoids and nutritional status of ‘Kalamon’ table olives Olivebioteq 2011, Proceedings of the 4th International Conference on Olive Culture and Biotechnology of Olive Tree Products. 31 Oct-4 Nov 2011, Chania, Greece. Vol. 2:465-470.
16. Tasioula-Margari M., Stamatakos G., Chatzissavvidis C., Mantzoutsos I., Chytiri A. and Chouliaras V. 2011. The effect of commercial seaweed extracts and commercial liquid organic nitrogen foliar sprays on productivity, oil quality and nutritional status of the olive cultivar ‘Mastoidis’. Olivebioteq 2011, Proceedings of the 4th International Conference on Olive Culture and Biotechnology of Olive Tree Products. 31 Oct-4 Nov 2011, Chania, Greece. Vol. 2:475-479.
17. Sarafi E., Chatzissavvidis C. and Therios I. 2013. Response of two pomegranate (*Punica granatum* L.) cultivars to five B concentrations: Growth performance, B, chlorophyll and proline concentration. Proceedings book of the XVII International Plant Nutrition Colloquium & Boron Satellite Meeting, Istanbul Turkey, pp. 1154-1155.

18. Antoniadis V., Paraskevopoulos G. and Chatzissavvidis C. 2013. Boron availability in five acidic soils in Greece. Proceedings book of the XVII International Plant Nutrition Colloquium & Boron Satellite Meeting, Istanbul Turkey, pp. 1133-1134.
19. Chatzissavvidis C. 2014. Role of boron in fruit trees. International Interdisciplinary Symposium 'A resilient agriculture serving sustainability in a fluctuating environment'. 2-3 June 2014, Orestiada, Greece. Book of abstracts, pp. 44-45.
20. Ioannidou M., Balaska K., Papalazarou K., Papamatheakis N., Papakonstantinou A., Poirazidis K., Kasimiadis D., Korakis G., Chatzissavvidis C., Papageorgiou A.C. 2014. Conservation priorities for the vulnerable and rare woody plant *Eriolobus trilobatus*. International Conference. Enhancing Biodiversity in Mediterranean Ecosystems from Theory to Practice. Final Event of Verenike project "LIFE09 NAT/GR/000326". 18-20 June 2014, Thessaloniki, Greece, Book of abstracts, p. 51.
21. Koulimboudi L., Papafilippou A., Tzanoudaki M. and Chatzissavvidis Chr. 2014. Effect of nitrogen form on trifoliolate orange (*Poncirus trifoliata*) and sour orange (*Citrus aurantium*) plants grown under saline conditions. Balkan Agriculture Congress, September 8-11, 2014, Edirne, Turkey. e-Book of abstracts, p. 628.
22. Sarafi E., Chatzissavvidis C. and I. Therios. 2014. Effect of calcium and boron on the ion status, carbohydrate and proline content, gas exchange parameters and growth performance of pomegranate cv. Wonderful plants grown under NaCl stress. Balkan Agriculture Congress, Sept 8-11, 2014, Edirne, Turkey. e-Book of abstracts, p. 642.
23. Chatzissavvidis C., Therios I., Evagelinou D., Tsaprali A., Chouliaras V., Malissovas N. and I. Mantzoutsos. 2014. The effect of fertilization treatments on productivity, maturation, carotenoid content and nutritional status of the table olive cultivar 'Konservolia Artas'. Balkan Agriculture Congress, September 8-11, 2014, Edirne, Turkey. e-Book of abstracts, p. 607.
24. Ioannidou M., Balaska K., Papalazarou K., Papamatheakis N., Papanastasiou A., Poirazidis K., Kasimiadis D., Korakis G., Chatzissavvidis C., Sandaltzopoulos R., Papageorgiou A.C. 2014. Research towards conservation for the vulnerable and rare wild apple tree *Eriolobus trilobatus*. Balkan Agriculture Congress, September 8-11, 2014, Edirne, Turkey. e-Book of abstracts, p. 611.
25. Giannakoula A., Sarafi E., Therios I., Chatzissavvidis C. 2014. Effect of Pb and Cu toxicity on antioxidant activity and photosynthesis in seedlings of *Citrus aurantium* L. 11th International Phytotechnologies Conference, 30 Sept-3 Oct 2014, Heraklion, Crete. International Phytotechnology Society. Book of Abstracts, pp. 140-141.
26. Sismanidis G., Ntoumanidou S., Christodoulou V., Chatzissavvidis C. 2016. The effect of two boron compounds on growth and chemical composition of two fruit rootstocks. 3rd International Symposium on Horticulture in Europe. 17-21 Oct 2016, Chania Crete, Greece. Programme and book of abstracts, p. 133-134. http://she2016.org/docs/she2016_abstracts_book.pdf. *Acta Horticulturae* 1242: 223-230.
27. Sarafi E., Giannakoula A., Chatzissavvidis C. and I. Therios. 2016. Effects of boron (B) on photosynthetic parameters and proline content in pomegranate plants (*Punica granatum* L.) grown under combined NaCl and CaCl₂ salinity. 15th Serbian Congress of Fruit and Grapevine producers with international participation. Kragujevac, Republic of Serbia, 21-23 Sept. 2016. Abstract Book, p. 186 & 187.
28. Chatzissavvidis C., Alexopoulos A., Evagelinou D. 2017. Effect of seaweed extract on growth, productivity, nutrient status of olive (*Olea europaea* L.) trees and on epiphytic microflora of

- their fruits. 2nd International Balkan Agriculture Congress, 16-18 May 2017, Tekirdag, Turkey, Book of Abstracts, p. 301.
29. Antonopoulou C., Dimassi K., Therios I., Chatzissavvidis C. 2017. Effect of ethylene inhibitors on the micropropagation and vitrification of olive (*Olea europaea* L.) explants. 2nd International Balkan Agriculture Congress, 16-18 May 2017, Tekirdag, Turkey, Book of Abstracts, p. 302.
 30. Koulympoudi L., Chatzissavvidis C., Orfanoudakis M. 2017. Effect of zeolite, effective microorganisms, mycorrhizae and seaweed extract on apple plants irrigated with saline water. 2nd International Balkan Agriculture Congress, 16-18 May 2017, Tekirdag, Turkey, Book of Abstracts, p. 303.
 31. Vindena V., Chatzissavvidis C., Toumpou E. 2017. Effects of potassium fertilization on apple MM106 plants grown with different substrates. 2nd International Balkan Agriculture Congress, 16-18 May 2017, Tekirdag, Turkey, Book of Abstracts, p. 544.
 32. Πασχαλίδης Χρ., Παπακωνσταντίνου Δ.Λ., Ζαμάνης Π.Κ., Πετρόπουλος, Σωτηρόπουλος Σ., Χατζησαββίδης Χρ., Чамурлиев Г.О., Овчинников М.А. 2020. ПРОИЗВОДСТВО И ПОТРЕБЛЕНИЕ ОЛИВКОВОГО МАСЛА В ГРЕЦИИ (Παραγωγή και κατανάλωση ελαιολάδου στην Ελλάδα). Αγία Πετρούπολη, Ρωσία, pp. 210-215.
 33. Sotiropoulos S., C. Chatzissavvidis, I. Papadakis, V. Kavvadias, C. Paschalidis, C. Antonopoulou, A. Koriki. 2020. Responses of young olive cv. Koroneiki plants treated with an organic fertilizer. 8th International Conference, Agriculture & Food, 26-29 Aug. 2020, Burgas Bulgaria. Pp. 45-54.
 34. Sotiropoulos S., C. Chatzissavvidis, I. Papadakis, V. Kavvadias, C. Paschalidis, C. Antonopoulou, A. Koriki. 2020. Effects of foliar organic fertilization on ‘Koroneiki’ olive trees in Greece. 8th International Conference, Agriculture & Food, 26-29 Aug. 2020, Burgas Bulgaria. Pp. 35-44.
 35. Antonopoulou C., Dimassi K., Therios I., Chatzissavvidis C., Dichala O. 2020. Comparative study of agar and vermiculite on micropropagation and hyperhydricity of olive (*Olea europaea* L.) explants. 8th International Conference, Agriculture & Food, 26-29 Aug. 2020, Burgas Bulgaria. Pp. 64-70.
 36. Sotiropoulos S., C. Chatzissavvidis, I. Papadakis, V. Kavvadias, C. Paschalidis, C. Antonopoulou, A. Koriki. 2021. Nutritional effects of fertilization on olive (cv. Koroneiki) trees grown in different types of soil in Greece. Scientific conference with international participation "Ecology and agrotechnologies – Fundamental science and practical implementation", Sofia Bulgaria. Pp. 88-94.
 37. Sotiropoulos S., C. Chatzissavvidis, I. Papadakis, V. Kavvadias, C. Paschalidis, C. Antonopoulou, A. Koriki. 2021. Nutritional responses of young olive (cv. Koroneiki) plants treated with an organic fertilizer. Scientific conference with international participation "Ecology and agrotechnologies – Fundamental science and practical implementation", Sofia Bulgaria. Pp. 177-184.
 38. Sotiropoulos S., Chatzissavvidis C., Papadakis I., Kavvadias V., Paschalidis C., Antonopoulou C. 2021. Responses of young olive (‘Koroneiki’) plants treated with organic and inorganic fertilizers. IX International Symposium on Mineral Nutrition of Fruit Crops. Tel Aviv (Israel), 28-30 June 2021. *Acta Horticulturae* 1333: 237-246 DOI: 10.17660/ActaHortic.2022.1333.31
 39. Sotiropoulos S.S., Chatzissavvidis Ch. A., Papadakis I.E., Kavvadias V.A., Paschalidis Ch.D., Chamourliiev G.O. 2021. Effect of inorganic fertilization and organic foliar fertilization on the yield of olives (‘Koroneiki’) trees in acidic and alkaline soils. International Scientific

Conference "Advanced Technologies and Materials", 6-8 October 2021, Sevastopol, Russia, pp. 282-286.

Chapters in books and handbooks

1. Chatzissavvidis C. and Therios I. 2011. *Boron in higher plants*. In: Boron: Compounds, Production and Application. Gary L. Perkins (Ed.). Nova Science Publishers Inc., NY, pp. 147-176. ISBN: 9781617617607.
2. Chatzissavvidis C. and Therios I. 2013. *Role of algae in agriculture*. In: Seaweed: Mineral Composition, Nutritional and Antioxidant Benefits and Agricultural Uses. Vitor Hugo Pomin (Ed.). Nova Science Publishers Inc., NY, pp. 1-37 (e-book)
3. Chatzissavvidis C. and Antonopoulou C. 2019. *Boron toxicity in fruit crops: Agronomic and physiological implications*. In: Fruit Crops: Diagnosis and Management of nutrient constraints. A.K. Srivastava and Chengxiao Hu (Eds). Elsevier, pp. 211-222. ISBN: 9780128187326
4. Tsaousis A., Chatzissavvidis C. and Antonopoulou C. 2020. Handbook of growing vegetables, fruit trees, aromatic and ornamental plants. INTERREG V-A Greece-Bulgaria 2014-2020. https://agri-ability.eu/wp-content/uploads/2021/06/D.4.2.4_PART-B_farming-guide.pdf (In Greek)
5. Antonopoulou C., Chatzissavvidis C. and Arabatzis G. 2021. Fruit trees and climate change. Edition of the Department of Forestry, Management of Environment and Natural Resources, Democritus University of Thrace. ISSN: 1791-7824, ISBN: 978-960-9698-18-4 (In Greek)
6. Antonopoulou C. and Chatzissavvidis C. 2021. Chapter 8: Impact of boron and its toxicity on photosynthetic capacity of plants. In: Boron in Plants and Agriculture: Exploring the Physiology of Boron and its Impact on Plant Growth. Tariq A., Landi M., Papadakis I., Araniti F., Brown P. (Eds). Elsevier Science, pp. 169-186. ISBN-13: 9780323908573.

Number of publications in national journals and newspapers: 7

Number of publications in proceedings of national symposiums: 49
