

List of LACEC published work

1. Books and Book Chapters

- 1.1. Katsoulas, N., Kittas, C., 2011. Greenhouse crop transpiration modelling. In: Gerosa, G. (Ed.), *Evapotranspiration - from measurements to agricultural and environmental applications*, ISBN: 978-953-307-512-9, InTech, Available from: <http://www.intechopen.com/articles/show/title/greenhouse-crop-transpiration-modelling>
- 1.2. Sørensen, C.G., Bochtis, D.D., Bartzanas, T., Katsoulas, N., Kittas, C., 2012. Minimizing environmental impact from applying selected inputs in plant production. In: Dupont, H. (Ed), *Environmental Management: Systems, Sustainability and Current Issues*, ISBN: 978-1-61324-899-7, Nova Publishers.
- 1.3. Kittas, C., Katsoulas, N., Bartzanas, T., 2012. Greenhouse climate control in Mediterranean greenhouses. *CUADERNOS DE ESTUDIOS AGROALIMENTARIOS | ISSN 2173-7568 | 89-114|*
- 1.4. Kittas, C., Katsoulas, N., Bartzanas, T., Bakker, S., 2013. Good Agricultural Practices in Greenhouse Climate Control and Energy Use. (pages 63-95) In: Baudoin, W., Nono-Womdim, R., Lutaladio, N., Hodder, A., Castilla, N., Leonardi, C., De Pascale, S., Qaryouti, M. (Eds), *Good agricultural practices (GAPs) for Greenhouse Vegetable Crops. Principles for the Mediterranean Climate Areas*. FAO, pp 622.
- 1.5. Kittas, C., Katsoulas, N., Bartzanas, T., 2017. Structure: design, technology and climate control. In: Baudoin et al., (Eds), *Good Agricultural Practices for greenhouse vegetable production in the South East European countries*, FAO plant production and protection paper 230, 434 p.
- 1.6. Nikolaou, G., Neocleous, D., Katsoulas, N., and Kittas, C., 2017. Irrigation Management Techniques Used in Soilless Cultivation. In: Webster, D.J. (Ed), *Advances in Hydroponics Research*, Nova Sciences Publishers, Inc. ISBN: 978-1-53612-151-3.
- 1.7. *Greenhouses: Technologies for optimal production*. 2019. C. Stanghellini, B. Ooster, E. Heuvelink. Scientific editing: Nikolaos Katsoulas. ISBN 978-960-635-089-4, Publisher: Ekdoseis Pedio.
- 1.8. Nikolaou, G., Neocleous, D., Kitta, E., Katsoulas, N., 2021. Advances in irrigation/fertigation techniques in greenhouse soilless culture systems (SCS). In Gruda, N., (Ed.) *Advances in horticultural soilless culture*, Burleigh Dodds Series in Agricultural Science, <http://dx.doi.org/10.19103/AS.2020.0076.10>
- 1.9. Ortuño, M.F., Parra, A., Alarcón, J.J., Gómez-Bellot, M.J., Skarmeta, A., Mora M., Marín, R., Katsoulas, N., Faliagka, S., Papanastasiou, D.K., Semiani, M., Belkhiri, F.E., Dalila, S., Boukadi, K., Grati, R., Bouaziz, B. (2024). PRECIMED: development of a decision support system (DSS) for precision irrigation in Mediterranean agriculture. In: Knox, J. W. (ed.), *Improving water management in agriculture:*

2. Papers published in Proceedings of International Conferences

- 2.1. Kittas, C., Katsoulas, N., Baille, A., 1999. Transpiration and canopy resistance of greenhouse soilless roses in Greece. Measurements and modelling. *Acta Horticulturae*, 507: 61-68.
- 2.2. Katsoulas, N., Kittas, C., Baille, A., 1999. Estimating transpiration rate and canopy resistance of a rose crop in a fan-ventilated greenhouse. *Acta Horticulturae*, 548: 303-309. (Proceedings of the International Symposium of I.S.H.S. on Growing Media and Hydroponics, Kassandra, Macedonia, Greece, August 31 – September 6, 1999).
- 2.3. Kittas, C., Baille, A., Katsoulas, N., 1999. Influence of misting on the diurnal hysteresis of canopy transpiration rate and conductance in a rose greenhouse. *Acta Horticulturae*, 534: 185-193. (Proceedings of the International Conference of I.S.H.S. on Greenhouse Techniques towards the 3rd Millennium, September 5-8, 1999 Haifa, Israel).
- 2.4. Kittas, C., Baille, A., Katsoulas, N., 2001. Transpiration and energy balance of a greenhouse rose crop in Mediterranean summer conditions. *Acta Horticulturae*, 559(1): 395-400. (Proceedings of the 5th International Symposium of I.S.H.S. on Protected Cultivation in Mild Winter Climates: Current Trends for Sustainable Technologies, Cartagena - Almeria, Spain, 7-11 March 2000)
- 2.5. Kittas, C., Katsoulas, N., Baille, A., 2002. Influence of aluminised thermal screens on greenhouse microclimate and night transpiration. *Acta Horticulturae*, 614(1): 387-392. (Proceedings of the International Symposium on Product and process innovation for protected cultivation in mild winter climate, March 5-8, 2002, Ragusa- Italy).
- 2.6. Lykas, C., Katsoulas, N., Kittas, C., 2004. EC and pH prediction in a recirculated nutrient solution of a greenhouse soilless rose crop. Measurements and modelling. International Symposium of the CIGR in New trends in Farm buildings. May 2-6, 2004, Evora, Portugal.
- 2.7. Kittas, C., Papaioannou, C., Obeid, D., Katsoulas, N., Tchamitchian, M., 2004. Effect of two new UV-absorbing greenhouse covering films on growth and yield of a tomato soilless crop. International Symposium of the CIGR in New trends in Farm buildings. May 2-6, 2004, Evora, Portugal.
- 2.8. Karydakis, G., Kolios, N., Andritsos, N., Katsoulas, N., 2004. Separation of CO₂ from low-enthalpy geothermal fields and its use in Greenhouses. International Conference on Geothermal Energy Applications in Agriculture. May 3-4, 2004, Athens Greece.
- 2.9. Kittas, C., Katsoulas, N., Tchamitchian, M., 2004. Greenhouse soilless rose crop transpiration. Application for accurate irrigation control. Protection and restoration of the environment VII. June 28–July 1, 2004. Mykonos, Greece.

- 2.10. Kittas, C., Dimokas, G., Lykas, C., Katsoulas, N., 2004. Effect of two irrigation frequencies on rose flower production and quality. *Acta Horticulturae*, 691(1): 333-340. (Proceedings of the International Symposium on Sustainable Greenhouse Systems, Greensys 2004, September 12-16, 2004, Leuven, Belgium).
- 2.11. Baille, A., Kittas, C., Katsoulas, N., 2004. Crop-climate coupling mechanisms in greenhouses. Characterization and analysis. *Acta Horticulturae*, 691(1): 163-170. (Proceedings of the International Symposium on Sustainable Greenhouse Systems, Greensys 2004, September 12-16, 2004, Leuven, Belgium).
- 2.12. Kittas, C., Katsoulas, N., Baille, A., 2004. Use of artificial leaves for aerodynamic conductance monitoring in greenhouses. *Acta Horticulturae*, 691(2): 749-756. (Proceedings of the International Symposium on Sustainable Greenhouse Systems, Greensys 2004, September 12-16, 2004, Leuven, Belgium).
- 2.13. Kittas, C., Katsoulas, N., Bartzanas, T., Boulard, T., Mermier, M., 2005. Effect of Vents' Opening and Insect Screen on Greenhouse Ventilation. *Proceedings of the 1st International Conference on Passive and Low Energy Cooling for the Built Environment*, I: 59-64.
- 2.14. Bartzanas, T., Katsoulas, N., Kittas, C., Boulard, T., Mermier, M., 2005. Effect of Vents' Configuration and Insect Screen on Greenhouse Microclimate. *Proceedings of the 1st International Conference on Passive and Low Energy Cooling for the Built Environment*, II: 1003-1008.
- 2.15. Bartzanas, T., Katsoulas, N., Kittas, C., 2005. Analysis of ventilation performance of a tunnel greenhouse using computational fluid dynamics tools. *Proceedings of the International Conference on the integration of the renewable energy systems into the building structures*, I: 29-34.
- 2.16. Kittas, C., Katsoulas, N., Baille A., 2005. Influence of crop leaf area index on greenhouse passive cooling. *Proceedings of the International Conference on the integration of the renewable energy systems into the building structures*, I: 179-185.
- 2.17. Katsoulas, N., Tsirogiannis, I.L. Kitta, E., Stamati, E., Savvas, D., Kittas, C., 2006. Greenhouse cooling by a fog system: effects on microclimate and on production and quality of a soilless pepper crop. *Acta Horticulturae* 719:455-462 (Proceedings of the International Symposium on Greenhouse Cooling: methods, techniques and plant response, 24-27 April 2006, Almeria, Spain).
- 2.18. Kittas, C., Katsoulas, N., Bartzanas, T., Boulard, T., Mermier, M., 2006. Effect of vents' openings and insect screen on greenhouse microclimate distribution. *Acta Horticulturae* 719:615-622 (Proceedings of the International Symposium on Greenhouse Cooling: methods, techniques and plant response, 24-27 April 2006, Almeria, Spain.)
- 2.19. Kittas, C., Bartzanas, T., Katsoulas, N., Sapounas, A., 2006. Measurements and modelling of a tracer gas distribution in a naturally ventilated greenhouse for pesticides dispersion determination. *Acta Horticulturae* 719:565-574 (Proceedings of the International Symposium on Greenhouse Cooling: methods, techniques and plant response, 24-27 April 2006, Almeria, Spain.)

- 2.20. Bartzanas, T., Katsoulas, N., Kittas, C., Sapounas, A.A. 2006. Dispersion of pesticides from a naturally ventilated greenhouse: A CFD approach. *Acta Horticulturae* 718:307-314 (Proceedings of the International Symposium on Models in Protected, October 29 - November 2, 2006 Cultivation Wageningen, The Netherlands.)
- 2.21. Lykas, Ch., Katsoulas, N., Kittas, C., 2006. Calcium, Magnesium and Potassium concentration prediction in a recirculated nutrient solution of a greenhouse soilless rose crop. *Acta Horticulturae* 718:491-498 (Proceedings of the International Symposium on Models in Protected, October 29 - November 2, 2006 Cultivation Wageningen, The Netherlands.)
- 2.22. Katsoulas, N., Manolaraki, Ch., Kittas C., Bartzanas, T., 2007. Effect of anti-drip greenhouse cover materials on microclimate and production of a hydroponic cucumber crop. *Acta Horticulturae* 801:267-274 (Proceedings of the International Symposium on Sustainable Greenhouse Systems, GreenSys 2007: High Technology for Greenhouse Systems Management, October 4-6, 2007, Naples, Italy.)
- 2.23. Kittas, C., Katsoulas, N., Tsiropoulos, N., Bartzanas, T., Sapounas, A., 2007. Numerical modelling and experimental measurements of pesticides dispersion in a naturally ventilated greenhouse. *Acta Horticulturae* 801:955-962 (Proceedings of the International Symposium on Sustainable Greenhouse Systems, GreenSys 2007: High Technology for Greenhouse Systems Management, October 4-6, 2007, Naples, Italy.)
- 2.24. Kittas, C., Katsoulas, N., Sapounas, A., Bartzanas, T., 2007. Distribution of a tracer gas in a naturally ventilated greenhouse. Measurements and simulations for pesticides dispersion determination. 2nd PALENC Conference and 28th AIVC Conference - Building Low Energy Cooling and Advanced Ventilation Technologies in the 21st century, 27 - 29 September, 2007, Heraklio, Crete.
- 2.25. Peponakis, C., Katsoulas, N., Petsani, D., Kittas, C. and Tchamitchian, M., 2008. Development of a simple growth model for light control in tomato seedlings. *Acta Horticulturae* 807:129-134 (Proceedings of the International Symposium on "Strategies towards sustainability of protected cultivation in mild winter climate, April 6-11, 2008, Antalya, Turkey).
- 2.26. Kittas, C., Rigakis, N., Katsoulas, N. and Bartzanas, T., 2008. Influence of shading screens on microclimate and growth of a tomato crop. *Acta Horticulturae* 807:97-102 (Proceedings of the International Symposium on "Strategies towards sustainability of protected cultivation in mild winter climate, April 6-11, 2008, Antalya, Turkey).
- 2.27. Bartzanas, T., Fidaros, D., Baxevanou, C., Katsoulas, N. and Kittas, C., 2008. Improving the efficiency of insect screens in greenhouse. *Acta Horticulturae* 807:91-96 (Proceedings of the International Symposium on "Strategies towards sustainability of protected cultivation in mild winter climate, April 6-11, 2008, Antalya, Turkey).
- 2.28. Syrivelis, D., Katsoulas, N., Papanastasiou, D.K., Bartzanas, T., Kittas C., 2008. A network framework to exploit meteorological data for sustainable

- agriculture. International Advanced Workshop on Information and Communication Technologies for Sustainable Agri-production and Environment (AWICTSAE 2008), Alexandroupolis, Greece, 22 – 23 of May, 2008
- 2.29. Papaioannou, Ch., Katsoulas, N., Kittas, C., 2008. Study of transmission to UV radiation of UV-absorbing greenhouse cover materials during three years. (International Conference on Agricultural Engineering & Industry Exhibition) AgEng 2008, July 23-26 2008, Chersonesos, Heraklio, Crete.
- 2.30. Dimokas, G., Katsoulas, N., Tchamitchian, M., Kittas, C., 2008. Validation of a climate simulator (SimGreC) in mediterranean greenhouses during winter period. 4th International Conference on Information and Communication Technologies in Bio and Earth Sciences (HAICTA 2008). Agricultural University of Athens, September 18-20, 2008, Athens, Greece.
- 2.31. Tsiropoulos, N. G., Papadi-Psyllou, A., Katsoulas, N., Kravvariti, K., Bartzanas, T., Boulard, T., Kittas, C., 2008. Measurements of pyrimethalin residues in the greenhouse air after low volume spray application. Proceedings of the 5th European Conference on Pesticides and related micropollutants in the environment, 22-25 October 2008, Marseille, France, Pesticides 2008, pp: 73-77.
- 2.32. Katsoulas N., Kittas C., Fidaros D., Bartzanas T., Baxevanou K., 2011. Study of a passive solar heating greenhouse crop grow gutter. *Acta Horticulturae*, 893:381-388 (Proceedings of the International Symposium on High Technology for Greenhouse Systems, GreenSys 2009, June 14-19, 2009, Quebec, Canada).
- 2.33. Dimokas G., Katsoulas N., Tchamitchian M., Kittas C., 2011. Development of a Bio-physical simulator for Mediterranean greenhouses. *Acta Horticulturae*, 893:525-530 (Proceedings of the International Symposium on High Technology for Greenhouse Systems, GreenSys 2009, June 14-19, 2009, Quebec, Canada).
- 2.34. Bartzanas, T., Fidaros, D., Katsoulas, N., Kittas, C., Boulard, T., 2011. Experimental results and spatial simulation of climate in a greenhouse with insect screens. *Acta Horticulturae*, 893:597-604 (Proceedings of the International Symposium on High Technology for Greenhouse Systems, GreenSys 2009, June 14-19, 2009, Quebec, Canada).
- 2.35. Kittas, C., Katsoulas, N., Bartzanas, T., 2011. Characterization and analysis of the effects of greenhouse climate control equipment on greenhouse microclimate and crop response. *Acta Horticulturae*, 893:117-132 (Proceedings of the International Symposium on High Technology for Greenhouse Systems, GreenSys 2009, June 14-19, 2009, Quebec, Canada).
- 2.36. Youssef, A., Dekock, J., Katsoulas, N., Eren-Ozcan, S., Kittas, C., Berckmans, D., 2011. Data-based approach to model the dynamic behaviour of greenhouse temperature. *Acta Horticulturae*, 893:931-938 (Proceedings of the International Symposium on High Technology for Greenhouse Systems, GreenSys 2009, June 14-19, 2009, Quebec, Canada).
- 2.37. Tsirogiannis, I., Savvas, D., Katsoulas, N., Kittas, C., 2012. Evaluation of crop reflectance indices for greenhouse irrigation scheduling. *Acta Horticulturae*, 927:269-276. (Proceedings of the 28th International Horticultural Congress, August 22-27, 2010, Lisboa, Portugal).

- 2.38. Kitta, E., Bartzanas, T., Savvas, D., Katsoulas, N., 2012. Effect of shading on greenhouse energy balance and crop transpiration. *Acta Horticulturae*, 927:689-694 (Proceedings of the 28th International Horticultural Congress, August 22-27, 2010, Lisboa, Portugal).
- 2.39. Dova, E., Katsoulas, N., Kittas, C., Sophianopoulos, D., 2012. Differences in required structural efficiency of standard commercial steel greenhouses among EU countries: a Hellenic experience. *Acta Horticulturae*, 927: 695-701 (Proceedings of the 28th International Horticultural Congress, August 22-27, 2010, Lisboa, Portugal).
- 2.40. Kittas, C., Katsoulas, N., Bartzanas, T., Papa, K., Thanasenaris, A., 2012. Improvement of greenhouse microclimate distribution by means of air mixing fans. *Acta Horticulturae*, 927:589-594 (Proceedings of the 28th International Horticultural Congress, August 22-27, 2010, Lisboa, Portugal).
- 2.41. Katsoulas, N., Bartzanas, T., Kittas, C., 2012. Microclimate distribution in a greenhouse cooled by a fog system. *Acta Horticulturae*, 927:773-778 (Proceedings of the 28th International Horticultural Congress, August 22-27, 2010, Lisboa, Portugal).
- 2.42. Bartzanas, T., Katsoulas, N., Tsouknidas, A., Kitta, E., 2012. Effect of two new cover materials on greenhouse energy consumption and cooling load. *Acta Horticulturae*, 927:559-563 (Proceedings of the 28th International Horticultural Congress, August 22-27, 2010, Lisboa, Portugal).
- 2.43. Bartzanas, T., Baxevanou, C., Fidaros, D., Papanastasiou, D., Katsoulas, N., Kittas, C., 2010. Airborne particles and microclimate distribution in a livestock building. International Conference on Agricultural Engineering, AgEng 2010, September 6-8, 2010, Clermont-Ferrand, France.
- 2.44. Kittas, C., Katsoulas, N., Bartzanas, T., Tsiropoulos, N., Boulard, T., 2010. Measurements and modelling of pesticides residues in the greenhouse air after low volume spray application. International Conference on Agricultural Engineering, AgEng 2010, September 6-8, 2010, Clermont-Ferrand, France.
- 2.45. Katsoulas, N., Bartzanas, T., Kitta, E., 2012. Effects of anti-drip polyethylene covering films on microclimate and crop production. *Acta Horticulturae*, 952:209-215 (Proceedings of the International Symposium on «Advanced technologies and management towards sustainable greenhouse ecosystems-GreenSys2011» June 5-10, 2011, Halkidiki, Greece).
- 2.46. Ntola, E., Katsoulas, N., Kittas, C., Youssef, A., Exadaktylos, V., Berckmans, D., 2012. Data based modelling approach for greenhouse air temperature and relative humidity. *Acta Horticulturae*, 952:67-72 (Proceedings of the International Symposium on «Advanced technologies and management towards sustainable greenhouse ecosystems-GreenSys2011» June 5-10, 2011, Halkidiki, Greece).
- 2.47. Lykas C., Katsoulas N., 2012. Use of shading nets to improve quality characteristics of compact gardenia (*Gardenia jasminoides ellis*) potted plant. *Acta Horticulturae*, 952:281-285 (Proceedings of the International Symposium on «Advanced technologies and management towards sustainable greenhouse ecosystems-GreenSys2011» June 5-10, 2011, Halkidiki, Greece).

- 2.48. Katsoulas, N., Hadzilias, E., 2012. Greenhouse sector assessment in Azerbaijan and prospects for sustainable development. *Acta Horticulturae*, 952:567-546 (Proceedings of the International Symposium on «Advanced technologies and management towards sustainable greenhouse ecosystems-GreenSys2011» June 5-10, 2011, Halkidiki, Greece).
- 2.49. Kitta, E., Bartzanas, T., Katsoulas, N., 2012. Influence of two new greenhouse covering materials on greenhouse microclimate and cooling load. *Acta Horticulturae*, 952:225-229 (Proceedings of the International Symposium on «Advanced technologies and management towards sustainable greenhouse ecosystems-GreenSys2011» June 5-10, 2011, Halkidiki, Greece).
- 2.50. Dimokas, G., Katsoulas, N., Kittas, C., Tchamitchian, M., 2012. Case studies of a modified biological simulator (tomgro) according to short cropping period. *Acta Horticulturae*, 952:317-322 (Proceedings of the International Symposium on «Advanced technologies and management towards sustainable greenhouse ecosystems-GreenSys2011» June 5-10, 2011, Halkidiki, Greece).
- 2.51. Katsoulas, N., Bartzanas, T., Nikolaou, Ch., Kittas, C., 2012. Use of polyethylene films with high reflection to NIR and low transmission to IR in greenhouses: effects on microclimate, energy saving and crop production. *AgEng-CIGR2012*, Valencia, Spain.
- 2.52. Kittas, C., Bartzanas, T., Katsoulas, N., Kitta, E., Batilliani, A., 2012. Benchmarking of irrigated agriculture: the case of Thessaly-Greece. *AgEng-CIGR2012*, Valencia, Spain.
- 2.53. Bartzanas, T., Katsoulas, N., Kittas, C., 2012. Solar radiation distribution in screenhouses: a CFD approach. *Acta Horticulturae* 956: 449-456 (Proceedings of the ISHS International Symposium on Light in Horticultural Systems- LIGHTSYM2012», 15-18 October 2012, Wageningen, The Netherlands.)
- 2.54. Rigakis N., Katsoulas N., Kitta E., Bartzanas T., 2012. Microclimate of a pepper crop under screenhouse conditions. *Acta Horticulturae*, 956: 523-529. (Proceedings of the ISHS International Symposium on Light in Horticultural Systems- LIGHTSYM2012», 15-18 October 2012, Wageningen, The Netherlands.)
- 2.55. Katsoulas N., Kandila A., Kitta E., Baille A., 2012. Transpiration and photosynthesis of sweet pepper growing under differing screenhouse nets. *Acta Horticulturae*, 956: 539-544. (Proceedings of the ISHS International Symposium on Light in Horticultural Systems- LIGHTSYM2012», 15-18 October 2012, Wageningen, The Netherlands.)
- 2.56. Kittas, C., Katsoulas, N., Katsoupa, M., Papaioannou Ch., 2012. Test of a greenhouse covered by polyethylene film that reflects near-infrared radiation. *Acta Horticulturae*, 956: 507-513. (Proceedings of the ISHS International Symposium on Light in Horticultural Systems- LIGHTSYM2012», 15-18 October 2012, Wageningen, The Netherlands.)
- 2.57. Katsoulas N., Rigakis N., Kitta E., Bartzanas T., Baille A., 2012. Transpiration of a pepper crop under screenhouse conditions. *Acta Horticulturae*, 957: 91-97. (Proceedings of the ISHS International Symposium on Models for Plant Growth,

- Environmental Control and Farm Management in Protected Cultivation-HortiModel2012», November 4-8, 2012, Nanjing, China.)
- 2.58. Katsoulas N., Kakavikakis G., Kittas C., Bartzanas T., Savvas D., 2012. Performance test of a Na⁺ concentration model included in a decision support system for closed hydroponic systems management. *Acta Horticulturae*, 957: 139-145. (Proceedings of the ISHS International Symposium on Models for Plant Growth, Environmental Control and Farm Management in Protected Cultivation-HortiModel2012», November 4-8, 2012, Nanjing, China.)
 - 2.59. Katsoulas, N., Voogt, W., 2013. Recent trends in salinity control for soilless growing systems management. *Acta Horticulturae*, 1034: 433-442. (Proceedings of the ISHS International Symposium on Growing Media and Hydroponics-GroSci2013», June 17-21, 2013, Leiden, The Netherlands.)
 - 2.60. Katsoulas, N., Kittas, C., Bartzanas, T., Savvas, D., 2013. Development and evaluation of a DSS for drainage management in semi-closed hydroponic systems. *Acta Horticulturae*, 1034: 509-516. (Proceedings of the ISHS International Symposium on Growing Media and Hydroponics- GroSci2013», June 17-21, 2013, Leiden, The Netherlands.)
 - 2.61. Katsoulas, N., Rigakis, N., Kitta, E., Baille, A., 2013. Transpiration and canopy conductance of a pepper crop under screens with different porosity and shading intensity. *Acta Horticulturae*, 1037:547-553. (Proceedings of the ISHS International Symposium «New Technologies for Environment Control, Energy saving and Crop Production in Greenhouses and Plant Factory - GreenSys2013», October 6-10, 2013, Jeju, Korea).
 - 2.62. Rigakis, N., Katsoulas, N., Belitsiotis, P., Kittas, C., Bartzanas, T., 2013. Pepper crop production under shading and insect proof screenhouses. *Acta Horticulturae*, 1037:599-604. (Proceedings of the ISHS International Symposium on «New Technologies for Environment Control, Energy saving and Crop Production in Greenhouses and Plant Factory - GreenSys2013», October 6-10, 2013, Jeju, Korea).
 - 2.63. Katsoulas, N., Kittas, C., Bartzanas, T., Savvas, D., 2013. Use of a decision support system for management of the drainage solution in semi-closed hydroponic systems under different drainage fractions. *Acta Horticulturae*, 1037:1067-1074. (Proceedings of the ISHS International Symposium on «New Technologies for Environment Control, Energy saving and Crop Production in Greenhouses and Plant Factory - GreenSys2013», October 6-10, 2013, Jeju, Korea).
 - 2.64. Fatnassi, H., Boulard, T., Poncet, C., Bartzanas, T., Katsoulas, N., Kacira, M., 2013. CFD modeling of microclimate in the leaf boundary layer, ecological niche of pests. *Acta Horticulturae*, 1037:1027-1034. (Proceedings of the ISHS International Symposium on «New Technologies for Environment Control, Energy saving and Crop Production in Greenhouses and Plant Factory - GreenSys2013», October 6-10, 2013, Jeju, Korea).
 - 2.65. Kittas, C., Katsoulas, N., Bartzanas, T., Kacira, M., Boulard, T., 2014. Exposure of greenhouse workers to pesticides. *Acta Horticulturae*, 1037:1133-

1138. (Proceedings of the ISHS International Symposium on «New Technologies for Environment Control, Energy saving and Crop Production in Greenhouses and Plant Factory - GreenSys2013», October 6-10, 2013, Jeju, Korea).
- 2.66. Kittas, C., Katsoulas, N., Bartzanas, T., 2014. Energy needs and energy saving in Mediterranean greenhouses. *Acta Horticulturae*, 1054:25-30. 10.17660/ActaHortic.2014.1054.1 (Proceedings of the ISHS International Conference on Agricultural Engineering, New Technologies for Sustainable Agricultural Production and Food Security, Muscat, Oman).
- 2.67. Kittas, C., Elvanidi, A., Katsoulas, N., Ferentinos, K.P., Bartzanas, T., 2016. Reflectance indices for the detection of water stress in greenhouse tomato (*Solanum lycopersicum*). *Acta Horticulturae*, 1112, 63-70. (Proceedings of the XXIX International Horticultural Congress: IHC2014, 17-22 August 2014, Brisbane, Australia).
- 2.68. Ferentinos, K.P., Katsoulas, N., Bartzanas, T., Tzounis, A., Kittas, C., 2015. A climate control methodology based on wireless sensor networks in greenhouses. *Acta Horticulturae*, 1107:75-82. (Proceedings of the XXIX International Horticultural Congress: IHC2014, 17-22 August 2014, Brisbane, Australia).
- 2.69. Katsoulas, N., Elvanidi, A., Ferentinos, K.P., Bartzanas, T., Kittas, C., 2016. Calibration methodology of a hyperspectral imaging system for greenhouse plant water stress estimation. *Acta Horticulturae*, 1142: 119-126. (Proceedings of the 6th Balkan Symposium on Vegetables and Potatoes, September 29 – October 2, 2014 Zagreb, Croatia).
- 2.70. Apostolou, K., Neofytou, C., Aifanti, S., Katsoulas, N., Kittas, C., Hatziioannou, M., 2014. Research of the cooling effect with evaporation in the microclimate of net-covered greenhouse and in the growth of farmed snails. 1st International Congress on Applied Ichthyology and Aquatic Environment-HydroMedit).
- 2.71. Kitta, E., Bartzanas, T., Katsoulas, N., Kittas, C., 2015. Benchmark irrigated under cover agriculture crops. *Agriculture and Agricultural Science Procedia*, 4: 348-355.
- 2.72. Bartzanas, T., Katsoulas, N., Elvanidi, A., Ferentinos, K.P., Kittas, C., 2015. Remote sensing for crop water stress detection in greenhouses. *Precision agriculture '15*, 667-676.
- 2.73. Kittas, C., Elvanidi, A., Ferentinos, K.P., Bartzanas, T., Katsoulas, N., 2017. Crop temperature measurements for crop water status identification in greenhouses. *Acta Horticulturae*, 1170, 695-701. (Proceedings of the ISHS International Symposium on New Technologies and Management for Greenhouses, GreenSys2015, 19-23 July, Evora).
- 2.74. Katsoulas, N., Kaltsa, O., Rigakis, N., Kitta, E., 2017. Effect of screenhouse cover optical properties on sweet pepper fruit quality. *Acta Horticulturae*, 1170, 1071-1076. (Proceedings of the ISHS International Symposium on New Technologies and Management for Greenhouses, GreenSys2015, 19-23 July, Evora).

- 2.75. Katsoulas, N., Ferentinos, K.P., Tzounis, A., Bartzanas, T., Kittas, C., 2017. Operation reliability of wireless sensor networks in greenhouse conditions. *Acta Horticulturae*, 1170, 867-874. (Proceedings of the ISHS International Symposium on New Technologies and Management for Greenhouses, GreenSys2015, 19-23 July, Evora).
- 2.76. Ropokis, A., Savvas, D., Giagtzoglou, P., Ginosatis, S., Ntatsi, G., Kittas, C. and Katsoulas, N., 2017. Nutrient uptake concentrations of a pepper crop under Mediterranean climate conditions. *Acta Horticulturae*, 1170, 687-694. DOI: 10.17660/ActaHortic.2017.1170.86 (Proceedings of the ISHS International Symposium on New Technologies and Management for Greenhouses, GreenSys2015, 19-23 July, Evora).
- 2.77. Katsoulas, N., Bartzanas, T., Kittas, C., 2017. Online professional irrigation scheduling system for greenhouse crops. *Acta Horticulturae*, 1154, 221-228. (Proceedings of the ISHS International Symposium on Modelling for Horticulture-Model IT, 11-14 October 2015, Wageningen The Netherlands).
- 2.78. Katsoulas, N., Ferentinos, K.P., Tzounis, A., Bartzanas, T., Kittas, C., 2017. Spatially distributed greenhouse climate control based on wireless sensor network measurements. *Acta Horticulturae*, 1154, 111-120. (Proceedings of the ISHS International Symposium on Modelling for Horticulture- Model IT, 11-14 October 2015, Wageningen The Netherlands).
- 2.79. Kittas, C., Antoniadis, D., Katsoulas, N., Tsirogiannis, I., Varras, G., Bartzanas, T., 2015. Measurements and simulation of microclimatic effects of a horizontal hydroponic pergola. *Proceedings of the 7th International Conference on Information and Communication Technologies in Agriculture, Food and Environment*. Kavala, Greece, September 17-20, 2015, pp: 255-262.
- 2.80. Tsirogiannis, I., Antoniadis, D., Katsoulas, N., Lykas, Ch., Christidou, V., Kitta, E., Kittas, C., 2015. Application of microclimatic landscape design in schoolyards in Greece. *Acta Horticulturae*, 1099: 935-941
- 2.81. Elvanidi, A., Katsoulas, N., Bartzanas, T., Ferentinos, K.P., Kittas, C., 2017. Assessment of crop water status by means of crop reflectance. *Acta Horticulturae*, 1164: 297-304. DOI: 10.17660/ActaHortic.2017.1164.37. (Proceedings of the ISHS 3rd Organic Greenhouse Symposium, April 2016, Izmir, Turkey).
- 2.82. Tripanagnostopoulos, Y., Katsoulas, N., Kittas, C., 2017. Potential energy cost and footprint reduction in Mediterranean greenhouses by means of renewable energy use. *Acta Horticulturae*, 1164: 461-466. DOI: 10.17660/ActaHortic.2017.1164.60. (Proceedings of the ISHS 3rd Organic Greenhouse Symposium, April 2016, Izmir, Turkey).
- 2.83. Kitta, E. Bartzanas, T. Katsoulas, N., 2017. Nutrient and water use efficiency in screenhouse crops: A benchmarking approach. *Acta Horticulturae*, 1164: 289-296. DOI: 10.17660/ActaHortic.2017.1164.36. (Proceedings of the ISHS 3rd Organic Greenhouse Symposium, April 2016, Izmir, Turkey).
- 2.84. Antoniadis, D., Katsoulas, N., Tsirogiannis, I., Kittas, C., 2017. Effect of planting and structural configurations on human thermal comfort in a schoolyard.

- Acta Horticulturae, 1189, 229-234. DOI: 10.17660/ActaHortic.2017.1189.44 (Proceedings of the 6th International Conference on Landscape and Urban Horticulture, 20-25 June 2016, Athens, Greece).
- 2.85. Katsoulas, K., Elvanidi, A., Bartzanas, T., Ferentions, K. P., Kittas, C., 2018. Sensing crop reflectance for water stress detection in greenhouses. Acta Horticulturae, 1197, 117-126. (Proceedings of the ISHS Symposium "Sensing Plant Water Status - Methods and Applications in Horticultural Science", October 5-7, Berlin, Germany).
- 2.86. Katsoulas, K., Elvanidi, A., Zagari, E., Bartzanas, T., Kalaitzis, P., Kittas, C., 2019. Detection of salinity stress in greenhouse tomato based on crop reflectance. Acta Horticulturae, 1242, 723-728. (Proceedings of the III International Symposium of Horticulture in Europe-SHE2016, October 2016, Chania, Crete, Greece).
- 2.87. Elvanidi, A., Friedel, M., Max, J. F. J., Katsoulas, N., Zinkernagel, J. 2018. Remote sensing of canopy light interception and plant water deficit stress in greenhouse. (Proceedings of 52nd DGG Annual Meeting, October 2018, Geisenheim, Germany), DGG-Proceedings, Vol. 8, 2018, No. 3, p. 1-5, DOI: 10.5288/dgg-pr-ae-2018, <http://www.dgg-online.org/proceedings/vol-08-2018/dgg-pr-ae-2018.pdf>
- 2.88. Faliagka, S., Schmidt, L., Langner, F., Elvanidi, A., Papadopoulou, A., Katsoulas, N., Max, J. F. J. 2018. Effects of different glass covering materials on basil and mint quality. (Proceedings of 52nd DGG Annual Meeting, October 2018, Geisenheim, Germany), DGG-Proceedings, Vol. 8, 2018, No. 15, p. 1-5, DOI: 10.5288/dgg-pr-sf-2018, <http://www.dgg-online.org/proceedings/vol-08-2018/dgg-pr-sf-2018.pdf>
- 2.89. Papadopoulou, A., Schmidt, L., Langner, F., Elvanidi, A., Max, J. F. J., Katsoulas, N., Faliagka, S. 2018. Reflectance evolution due to effect of manganese to the peppermint antioxidant activity and monoterpenes capacity. (Proceedings of 52nd DGG Annual Meeting, October 2018, Geisenheim, Germany), DGG-Proceedings, Vol. 8, 2018, No. 4, p. 1-5, DOI: 10.5288/dgg-pr-ap-2018, <http://www.dgg-online.org/proceedings/vol-08-2018/dgg-pr-ap-2018.pdf>
- 2.90. Løes A. K., Evans, A., Katsoulas, N., De Marchi, M., Sørensen, C., Schmutz, U., 2018. Pathways to phase-out contentious inputs from organic agriculture in Europe (Organic-PLUS). Proceedings of the 2nd International Grab-It Workshop "Organic farming and agroecology as a response to global challenges" 27-29 June, 2018, Capri Island (Naples), Italy.
- 2.91. Schmutz, U., Rayns, F., Katsoulas, N., Løes A. K., De Marchi, M., Sørensen, C., Evans, A., 2020. Phasing out contentious inputs in organic and non-organic horticulture - Organic PLUS. Acta Horticulturae, 1286, 211-218, DOI: 10.17660/ActaHortic.2020.1286.30. (Proceedings of the II International Symposium on Organic Horticulture for Wellbeing of the Environment and Population. Istanbul (Turkey), August 12-16, 2018).
- 2.92. Katsoulas, N., Nikolaou, G., Neocleous, D. and Kittas, C., 2020. Microclimate and cucumber crop transpiration in a greenhouse cooled by pad

- and fan system. *Acta Hortic.* 1271, 235-240, DOI: 10.17660/ActaHortic.2020.1271.33 (Proceedings of the II International Symposium on Organic Horticulture for Wellbeing of the Environment and Population. Istanbul (Turkey), August 12-16, 2018).
- 2.93. Tsihlias, C., Kavga, A., Souliotis, M. and Katsoulas, N., 2020. Greenhouse integrated photovoltaics (GIPV): effects in microclimatic parameters and canopy production. *Acta Horticulturae*, 1271, 71-78, DOI: 10.17660/ActaHortic.2020.1271.10 (Proceedings of the II International Symposium on Organic Horticulture for Wellbeing of the Environment and Population. Istanbul (Turkey), August 12-16, 2018).
- 2.94. Metsoviti M.N., Lachanidou G., Manolios A., Berillis P., Katsoulas N., Papapolymerou G., Karapanagiotidis I.T., 2018. The effect of fishmeal and fish oil replacement by dietary microalgae species on liver histology in gilthead seabream (*Sparus aurata*). Proceedings of the 3rd International Congress on Applied Ichthyology & Aquatic Environment (Hydromedit 2018, 8-11 November 2018, Volos), 148-151.
- 2.95. Metsoviti M.N., Katsoulas N., Karapanagiotidis I.T., Papapolymerou G., 2018. Effect of cultivation of microalgae *Euglena gracilis* in different environments on growth rate and protein and lipid contents. Proceedings of the 3rd International Congress on Applied Ichthyology & Aquatic Environment (Hydromedit 2018, 8-11 November 2018, Volos), 625-626.
- 2.96. Metsoviti M.N., Kyriakidis K., Yiannoukkos A., Kokkali M., Katsoulas N., Papapolymerou G., Karapanagiotidis I.T., 2018. The effect of fishmeal and fish oil replacement by microalgae species on proximate composition of gilthead seabream (*Sparus aurata*). Proceedings of the 3rd International Congress on Applied Ichthyology & Aquatic Environment (Hydromedit 2018, 8-11 November 2018, Volos), 627-628.
- 2.97. Katsoulas, N., Levizou, E., Kormas, K., Mente, E., 2018. Development and optimization of an aquaponic system to increase sustainability in food production-FoodOASIS. Proceedings of the 3rd International Congress on Applied Ichthyology & Aquatic Environment (Hydromedit 2018, 8-11 November 2018, Volos), 616-617.
- 2.98. Tsoumalakou, E., Mente, E., Katsoulas, N., Kormas, K., Berillis, P., Vlahos, N., Kapsis, P., Stathopoulou, P., Levizou, E., 2019. Nutrient input in a small scale aquaponic system: effect on lettuce functional responses and tilapia growth. Proceedings of the AQUACULTURE EUROPE 2019 International Symposium, Berlin, Germany, 7-10 October 2019. 1537-1538.
- 2.99. Katsoulas, N., Demmelbauer-Benitez, C.M., Elvanidi, A., Gourzoulidou, E. and Max, J.F.J., 2020. Reuse of cucumber drainage nutrient solution in secondary crops in greenhouses: initial results. *Acta Horticulturae*, 1296, 767-774. DOI: 10.17660/ActaHortic.2020.1296.97 (Proceedings of the International Symposium on Advanced Technologies and Management for Innovative Greenhouses: GreenSys2019. Angers, France, June 16, 2019).

- 2.100. Elvanidi, A., Zinkernagel, J., Max, J.F.J. and Katsoulas, N., 2020. Contribution of hyperspectral imaging to monitor water content in soilless growing cucumber crop. *Acta Horticulturae*, 1296, 1055-1062. DOI: 10.17660/ActaHortic.2020.1296.133 (Proceedings of the International Symposium on Advanced Technologies and Management for Innovative Greenhouses: GreenSys2019. Angers, France, June 16, 2019).
- 2.101. Faliagka, S., Germani, R., Agrafioti, P., Xidas, P., Athanassiou, C., Katsoulas, N., 2021. SiO₂ applications as an alternative to insect control in greenhouses. 1st International Electronic Conference on Agronomy. doi:10.3390/IECAG2021-09720
- 2.102. Elvanidi, A., Katsoulas, N., 2021. Calibration methodology of a remote PRI sensor for photosynthesis rate assessment in greenhouses. 1st International Electronic Conference on Agronomy. doi:10.3390/IECAG2021-10018
- 2.103. Kitta, E., Katsoulas, N. and Kittas, C., 2021. Effect of shading on photosynthesis in greenhouse hydroponic cucumber crops. *Acta Horticulturae*, 1320, 167-172, <https://doi.org/10.17660/ActaHortic.2021.1320.21> (Proceedings of the VIII South-Eastern Europe Symposium on Vegetables and Potatoes, Ohrid, North Macedonia, 24 -26 September 2021).
- 2.104. Katsoulas, N., Kitta, E. and Kittas, C., 2021. Technologies and techniques of greenhouse cultivation as tools to promote development education. *Acta Horticulturae*, 1320, 173-180, <https://doi.org/10.17660/ActaHortic.2021.1320.22>, (Proceedings of the VIII South-Eastern Europe Symposium on Vegetables and Potatoes, Ohrid, North Macedonia, 24 -26 September 2021).
- 2.105. Gruda, N., Bisbis, M., Katsoulas, N. and Kittas, C., 2021. Smart greenhouse production practices to manage and mitigate the impact of climate change in protected cultivation. *Acta Horticulturae*, 1320, 189-196, <https://doi.org/10.17660/ActaHortic.2021.1320.24>, (Proceedings of the VIII South-Eastern Europe Symposium on Vegetables and Potatoes, Ohrid, North Macedonia, 24 -26 September 2021).
- 2.106. Bataka, E.P.; Miliokas, G.; Katsoulas, N.; Nakas, C.T., 2021. A method comparison study between open source and industrial weather stations. *Engineering Proceedings*, 9(1):8. <https://doi.org/10.3390/engproc2021009008>
- 2.107. Faliagka, S., Germani, R., Agrafioti, P., Xidas, P., Athanassiou, Ch., Katsoulas, N., 2022. SiO₂ applications as an alternative to insect control in greenhouses. *Biology and Life Sciences Forum 2021*, 3, 32. <https://doi.org/10.3390/IECAG2021-09720>
- 2.108. Elvanidi, A., Katsoulas, N., 2022. Performance of gradient boosting learning algorithm for crop stress identification in the greenhouse cultivation. *Biol. Life Sci. Forum 2022*, 16, 25. <https://doi.org/10.3390/IECHo2022-12508>, Presented in the 1st International Electronic Conference on Horticulturae, 16–30 April 2022, MDPI: Basel, Switzerland

- 2.109. Kittas, C., Baudoin, W., Kitta, E., Katsoulas, N., 2021. Innovative and cost-effective sheltered horticulture in RADHORT countries. Proceedings of the IV All Africa Horticultural Congress - AAHC2021, Dakar (Senegal) 29-31 March 2021.
- 2.110. Tüzel, Y. and Katsoulas, N. 2021. Protected cultivation in Mediterranean region. *Acta Hortic.* 1315, 323-334, <https://doi.org/10.17660/ActaHortic.2021.1315.49>
- 2.111. Elvanidi, A., Katsoulas, N., 2021. Calibration methodology of a remote PRI sensor for photosynthesis rate assessment in greenhouses. *Biology and Life Sciences Forum.* 2021; 3(1):60. <https://doi.org/10.3390/IECAG2021-10018>
- 2.112. Bouras, S., Antoniadis, D., Kountrias, G., Karapanagiotidis, IT., Katsoulas, N., 2021. Effect of pH on *Schizochytrium limacinum* production grown using crude glycerol and biogas digestate effluent. *AgEng 2021*, July 4–8, 2021, Évora, Portugal.
- 2.113. Katsoulas, N., Bari, A., Georgopoulou, T., Papaioannou, Ch., 2021. Evaluation of the effects of antidrip and UV transmission properties of polyethylene films on a greenhouse strawberry crop. *AgEng 2021*, July 4–8, 2021, Évora, Portugal.
- 2.114. Aslanidou, M., Tsoumalakou, E., Elvalidi, A., Levizou, E., Mente, E., Katsoulas, N., 2021. Development of a simulation model for macronutrients concentration estimation in a Lab-scale aquaponic system. *AgEng 2021*, July 4–8, 2021, Évora, Portugal.
- 2.115. Katsoulas, N., Aslanidou, M., Papanastasiou, D.K., Anestis, V., 2023. Environmental impact of aquaponic vegetable production. *Acta Horticulturae*, 1377, 911- <https://doi.org/10.17660/ActaHortic.2023.1377.114>. [Proceedings of the International Symposium on Innovative Technologies and Production Strategies for Sustainable Controlled Environment Horticulture, IHC2022, Angers, France, 14-20 August 2022.
- 2.116. Katsoulas, N., Elvanidi, A., Karatsivou, E., Vassiliadis, V., 2023. Development of a water flow and nutrients concentration simulation model for cascade hydroponic systems. *Acta Horticulturae*, 1377, 655-662, <https://doi.org/10.17660/ActaHortic.2023.1377.80>. [Proceedings of the International Symposium on Innovative Technologies and Production Strategies for Sustainable Controlled Environment Horticulture, IHC2022, Angers, France, 14-20 August 2022.
- 2.117. Elvanidi, A., Katsoulas, N., 2023. Artificial Neural Network based on multilayer perceptron algorithm as a tool for tomato stress identification in soilless cultivation. *Acta Horticulturae*, 1377, 447-454, <https://doi.org/10.17660/ActaHortic.2023.1377.54>. [Proceedings of the International Symposium on Innovative Technologies and Production Strategies for Sustainable Controlled Environment Horticulture, IHC2022, Angers, France, 14-20 August 2022.
- 2.118. Mourantian, A., Aslanidou, M., Faliagka, S., Katsoulas, N., Pechlivani, E.M., Levizou, E., 2022. Combined effects of biostimulants and coupled/decoupled aquaponic systems on functional and growth responses of tomato. XVII

SOLANACEAE 2022 International Conference on the Plant Family of Solanaceae, November 1-5, 2022, Thessaloniki, Greece.

- 2.119. Katsoulas, N., Aslanidou, M., Vassiliadis, V., Elvanidi, E., Mourantian, A., Levizou, E., Mente, E., 2022. Simulation of Ca and K concentrations in the nutrient solution of an aquaponic system. Proceedings of the International Conference on Agricultural Engineering, AEng-Land.Technik 2022, Belrin, Germany, 22-23 November 2022, pp. 469-475.
- 2.120. Katsoulas, N., Faliagka, S., Bari, A., Naounoulis, I., 2022. Precimed: a simulation model for nutrient uptake prediction of a hydroponic cucumber crop grown in the Mediterranean region. Proceedings of the International Conference on Agricultural Engineering, AEng-Land.Technik 2022, Belrin, Germany, 22-23 November 2022, pp. 101-106. doi.org/10.51202/9783181024065
- 2.121. Katsoulas, N., Baxevanou, C., Feidas, D., 2022. Optimal design of a hybrid power generation system for greenhouses. Proceedings of the International Conference on Agricultural Engineering, AEng-Land.Technik 2022, Belrin, Germany, 22-23 November 2022, pp. 53-60.
- 2.122. Bouras, S., Kountrias, G., Karapanagiotidis, I.T., Antoniadis, D., Papanastasiou, D., Anestis, V., Katsoulas, N., 2022. Microalgae production using waste nutrient sources: effect on environmental impact indicators. Proceedings of the 2nd International Symposium Agroecoinfo, Volos, Greece 30/6/2022-2/7/2022, pp:87-92. Available online at <https://agroecoinfo2022.civ.uth.gr/sites/default/files/2022-12/preceedings.pdf>
- 2.123. Aslanidou M., Mourantian A., Levizou E., Mente E, Katsoulas N., 2022. Water and nutrients use efficiency in Aquaponics. Proceedings of the 2nd International Symposium Agroecoinfo, Volos, Greece 30/6/2022-2/7/2022, pp: 109-113. Available online at <https://agroecoinfo2022.civ.uth.gr/sites/default/files/2022-12/preceedings.pdf>
- 2.124. Katsoulas N., Faliagka, S., Naounoulis, I., Bari, A., 2023. Nutrient uptake of a hydroponic tomato crop, HorchiModel 2023, Almeria, Spain
- 2.125. Gkalogianni, E.Z., Psoufakis, P., A. Asimaki, G. Kountrias, N. Katsoulas, C. Chatzidoukas, G. Papapanagiotou, E.P. Kalogianni, A. Litinas, I.T. Karapanagiotidis 2023. Effect of fishmeal replacement by chlorella vulgaris on growth performance of gilthead seabream (*Sparus aurata*). Proceedings of Aquaculture Europe 2023, 527-528, Viena, Austria, 18-21 September 2023.
- 2.126. Karapanagiotidis, I.T. E.Z. Gkalogianni, P. Psoufakis, A. Asimaki, G. Kountrias, N. Katsoulas, C. Chatzidoukas, G. Papapanagiotou, E.P. Kalogianni, A. Litinas, 2023. Effect of fishmeal replacement by chlorella sorokiniana on growth performance of gilthead seabream (*Sparus aurata*). Proceedings of Aquaculture Europe 2023, 655-656, Viena, Austria, 18-21 September 2023.
- 2.127. Galitsopoulou, A., Pechlivani, E.M., Tsachouridis, S., Faliagka, S., Giakoumoglou, N., Elvanidi, A., Katsoulas, N., 2023. In-depth study across various disciplines of the agri-food retail chain on sufficient, safe and healthy food. 7th International Symposium on Multidisciplinary Studies and Innovative

- Technologies (ISMSIT), Ankara, Turkiye, 2023, pp. 1-6, doi: 10.1109/ISMSIT58785.2023.10304993.
- 2.128. Pechlivani, E.-M., Kapetanakou, A., Faliagka, S., Giakoumoglou, N., Salta, F., Katsoulas, N. 2023. A multidisciplinary in-depth systemic analysis to support European Green Deal halving pesticides use and loss of nutrients: a Greek case study. 7th International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), Ankara, Turkiye, 2023, pp. 1-7, doi: 10.1109/ISMSIT58785.2023.10304887.
- 2.129. Gkalogianni E.Z., Psoufakis P., Asimaki A., Katouni A.M., Katsoulas N., Kountrias G.2, Chatzidoukas C., Papapanagiotou G., Kalogianni E.P., Litinas A., Karapanagiotidis I.T., 2024. Effects of fishmeal replacement by *Chlorella sorokiniana* and *Chlorella vulgaris* dried biomass in the diet of gilthead seabream (*Sparus aurata*). Proceedings of the 5th International Congress on Applied Ichthyology, Oceanography & Aquatic Environment, HydroMediT 2024, 30 May-2 June 2024, Mytilene, Greece, pp, 181-185.
- 2.130. Jenkins, T., Pliakoni, E.D., Rivard, C., Aslanidou, M. and Katsoulas, N., 2024. Effect of system, grafting, and harvest maturity stage on the quality of tomatoes grown in greenhouses. *Acta Horticulturae*, 1396, 465-470, <https://doi.org/10.17660/ActaHortic.2024.1396.61> [Proceedings of the VII International Conference Postharvest Unlimited, 20 June 2024, Wageningen, Netherlands.]
- 2.131. Ramírez, T., Elvanidi, A., Katsoulas, N. and Körner, O., 2025. Evapotranspiration prediction for suitable combinations of cascade hydroponic systems. *Acta Hortic.* 1426, 259-266, DOI: 10.17660/ActaHortic.2025.1426.36 [Proceedings of the International Symposium on New Technologies for Sustainable Greenhouse Systems: GreenSys2023, Mexico]
- 2.132. Katsoulas, N., Faliagka, S., Naounoulis, I. and Bari, A. 2025. Adaptation of the VegSyst model for nutrient uptake prediction of a hydroponic tomato crop grown in the Mediterranean region. *Acta Hortic.* 1425, 17-24, <https://doi.org/10.17660/ActaHortic.2025.1425.3> [Proceedings of the International Symposium on Models for Plant Growth, Environments, Farm Management in Orchards and Protected Cultivation - HorchiModel2023, Almeria, 26-28/06/2023]
- 2.133. Katsoulas, N., Faliagka, S., Naounoulis, I., Bari, A., Aslanidou, M., Mourantian, A., Bouras, S., Kountrias, G. and Pechlivani, E.M. 2025. Water and nutrients use efficiency in aquaponics: effects of biostimulant application. *Acta Hortic.* 1425, 117-124, <https://doi.org/10.17660/ActaHortic.2025.1425.16> [Proceedings of the International Symposium on Models for Plant Growth, Environments, Farm Management in Orchards and Protected Cultivation - HorchiModel2023, Almeria, 26-28/06/2023]

3. Papers published in Proceedings of National Greek Conferences

More than 130 papers published in proceedings of National conferences in Greek.