

DAMIANOS NEOCLEOUS

SENIOR AGRICULTURAL RESEARCH OFFICER



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Education and Training

- Makarios III Lyceum, Larnaca (1990). Distinction.
- BSc & Integrated Master (1997). Aristotle University of Thessaloniki, Department of Horticulture and Viticulture. (8.45/10).
- Post-Graduate diploma (DSPU) & Master degree (MSc) (2000). International Centre for Advanced Mediterranean Agronomic Studies, Mediterranean Agronomic Institute of Chania (CIHEAM - MAICh).
- PhD degree (2006). Aristotle University of Thessaloniki, Faculty of Agriculture, <http://hdl.handle.net/10442/hedi/14512>.
- PhD degree (2017). Agricultural University of Athens, Faculty of Crop Science, <http://hdl.handle.net/10442/hedi/42305>.
- Post-Doctoral research. Aristotle University of Thessaloniki and Agricultural University of Athens.

Research Interests

- Plant physiology/Plant Nutrition/ Hydroponics

Scholarships - Awards

- Awarded with scholarship by Greek Ministry of National Education and Religion (State Scholarship's Foundation) (BSc). Distinction award by the Mediterranean Agronomic Institute of Chania and scholarship as a top rank student towards research (MSc). Awarded with scholarships by the Alexander S. Onassis public benefit foundation (PhD) and the A.G Leventis foundation (Post-PhD).

Indicative Publications

- Neocleous D., Nikolaou G. (2019). Antioxidant seasonal changes in soilless greenhouse sweet peppers. *Agronomy*, 9(11), 730.
- Neocleous D., Savvas D. (2019). The effects of phosphorus supply limitation on photosynthesis, biomass production, nutritional quality, and mineral nutrition in lettuce grown in a recirculating nutrient solution. *Scientia Horticulturae* 252, 379–387.
- Neocleous D., Savvas D. (2018). Modelling Ca²⁺ accumulation in soilless zucchini crops: Physiological and agronomical responses. *Agricultural Water Management*, 203, 197-206.
- Neocleous D., Ntatsi G., (2018). Seasonal variations of antioxidants and other agronomic features in soilless production of selected fresh aromatic herbs. *Scientia Horticulturae*, 234, 290-299.
- Neocleous D., Savvas D. (2017). Simulating NaCl accumulation in a closed hydroponic crop of zucchini: Impact on macronutrient uptake, growth,

- yield, and photosynthesis. *Journal of Plant Nutrition and Soil Science*, 180, 283-293.
- Neocleous D., Ntatsi G., Savvas D. (2017). Physiological, nutritional and growth responses of melon (*Cucumis melo* L.) to a gradual salinity built-up in recirculating nutrient solution. *Journal of Plant Nutrition*, 40, 2168-2180.
 - Neocleous, D., Savvas, D. (2016). NaCl accumulation and macronutrient uptake by a melon crop in a closed hydroponic system in relation to water uptake. *Agricultural Water Management*, 165, 22-32.
 - Neocleous, D., Savvas, D. (2015). Effect of different macronutrient cation ratios on macronutrient and water uptake by melon (*Cucumis melo*) grown in recirculating nutrient solution. *Journal of Plant Nutrition and Soil Science*, 178, 320-332.
 - Neocleous, D., Koukounaras, A., Siomos, A.S., Vasilakakis, M. (2014). Assessing the Salinity Effects on Mineral Composition and Nutritional Quality of Green and Red "Baby" Lettuce. *Journal of Food Quality*, 37, 1-8.
 - Neocleous, D., Koukounaras, A., Siomos, A.S., Vasilakakis, M. (2014). Changes in photosynthesis, yield, and quality of baby lettuce under salinity stress. *Journal of Agricultural Science and Technology*, 16, 1335-1343.
 - Neocleous, D., Savvas, D. (2013). Assessment of different strategies to balance high Mg levels in the irrigation water when preparing nutrient solution for soilless strawberry crops. *European Journal of Horticultural Science*, 78, 267-274.
 - Neocleous, D., Savvas, D. (2013). Response of hydroponically-grown strawberry (*Fragaria × ananassa* Duch.) plants to different ratios of K:Ca:Mg in the nutrient solution. *Journal of Horticultural Science and Biotechnology*, 88, 293-300.
 - Developments in soilless/hydroponic cultivation of vegetables (D. Savvas, D. Neocleous): Achieving sustainable cultivation of vegetables, Hochmuth, G. (ed.), Burleigh Dodds Science Publishing, Cambridge, UK, 2019.
 - Effects of cooling systems on greenhouse microclimate and cucumber growth under mediterranean climatic conditions (Nikolaou, G., Neocleous, D., Katsoulas, N., Kittas, C.). *Agronomy* 2019, 9, 300.
 - Comparative analysis of the nitrogen effect of common agricultural practices and rotation systems in a rainfed mediterranean environment (Dalias, P., Neocleous, D.). *Plants* 2017, 6, 61.
 - Spatial and temporal variations in evapotranspiration and net water requirements of typical Mediterranean crops on the island of Cyprus (Christou, A., Dalias, P., Neocleous, D.). *Journal of Agricultural Science* 2017, 155(8), 1311-1323.

Projects

- Participation in national (e.g. RPF, Magnet) and EU funded projects (e.g. IoF2020 CYSLOP and IoT4Potato, Life Adapt2change and Organiko, FA COST 863 and 901, Interreg Med Isolae and Greenhouses, Erasmus) and in steering committees (e.g. Life Adapt2Clima). Instructor in training programs for local and foreign scientists. Research advisor for doctoral students. Peer review and editorial contributions (e.g. *Agronomy*-MDPI).