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Degrees

B.Sc	Biology (University of Patras, Greece)
PhD	Biology – (University of Patras, Greece)

Posts held (with date(s))

2018-2024	Professor	TEI of Ionian Islands, Department of Food Science and Technology
2002 - 2018	Professor Head of the Department	TEI of Ionian Islands, Department of Food Technology
2002- 2005	Professor Head of the Department	TEI of Ionian Islands, Department of Organic Farming
1999 - 2002	Associate Professor	TEI of Epirus Department of Plant Science Department of Floriculture and Landscape Architecture
1998-1999	Director	Agricultural Continuing Education Division “DEMETRA” at the Greek Ministry of Agriculture
1997 - 1999	Assistant Professor	TEI of Epirus Department of Floriculture and Landscape Architecture
1995 - 1996	E.U. Research Fellow	Joint Research Center – IPTS - Technology Watch Unit – Sevilla, Spain
1990-1994	Research Associate	Purdue University, Research Center for Plant Environmental Stress Physiology
1989 - 1990	Research Associate	University of Lincoln –Nebraska, Department of Biochemistry

Reviews

1. Rhodes, D. and **Y. Samaras** (1993). “Genetic Control of Osmoregulation in Plants” In *Cellular and Molecular Physiology of Cell Volume Regulation* (K. Strange ed) CRC Press (Florida) pp. 347-361
2. Hasegawa, P.M., R.A. Bressan, D.E. Nelson, **Y. Samaras** and D. Rhodes (1994). “Tissue Culture in the Improvement of Salt Tolerance in Plants” In *Monographs on Theoretical and Applied Genetics: Soil Mineral Stresses — Approaches to Crop Improvement* (A.R. Yeo and T.J. Flowers eds) Springer-Verlag (Berlin) 21, 83-125
3. **Samaras, Y.**, D. Rhodes, M. Paino D’Urzo, R.A. Bressan, M.G. Garcia-Rios and L.N. Csonka (1995). “Proline Accumulation During Drought and Salinity” In *Environment and Plant Metabolism: Flexibility and Acclimation* (N. Smirnoff, ed) BIOS Scientific Publishers Ltd, (Oxford) pp. 161-181
4. Arvaniti O. S., **Y. Samaras**, G. Gatidou, N. S. Thomaidis, A. S. Stasinakis (2019). “Review on fresh and dried figs: Chemical analysis and occurrence of phytochemical compounds, antioxidant capacity and health effects” *Food Research International* 119, 244-267

Original data papers

1. Manetas, Y., **Y. Samaras** and K. Stamatakis (1983). "Levels of Adenylate Kinase in CAM Plants of Different Decarboxylation Pathway" *Zeitschrift für Pflanzenphysiologie* 111, 365-368 [doi.org/10.1016/S0044-328X\(83\)80098-1](https://doi.org/10.1016/S0044-328X(83)80098-1)
2. Manetas, Y., K. Stamatakis and **Y. Samaras** (1986). "Mg²⁺ Regulation of C₄ and CAM Adenylate Kinase" *Journal of Plant Physiology* 124, 165-170 [http://dx.doi.org/10.1016/S0176-1617\(86\)80189-4](http://dx.doi.org/10.1016/S0176-1617(86)80189-4)
3. **Samaras, Y.**, Y. Manetas and N.A. Gavalas (1988). "Effects of Temperature and Photosynthetic Inhibitors on Light Activation of C₄-Phosphoenolpyruvate Carboxylase" *Photosynthesis Research* 16, 233-242 DOI: 10.1007/BF00028842
4. **Samaras, Y.** and Y. Manetas (1988). "Regulation of C₄ -Phosphoenolpyruvate Carboxylase by Ambient CO₂" *Photosynthesis Research* 18, 299-305, DOI: 10.1007/BF00034834
5. Rhodes, D., G.C. Ju, W.-J. Yang and **Y. Samaras** (1992). "Plant Metabolism and Heterosis" *Plant Breeding Reviews* 10, 53-91
6. Yang, W.-J., A. Nadolska-Orczyk, K.V. Wood, D. Hahn, P.J. Rich, A.J. Wood, H. Saneoka, G.S. Premachandra, C.C. Bonham, J.C. Rhodes, R.J. Joly, **Y. Samaras**, P.B. Goldsbrough and D. Rhodes (1995). "Near-Isogenic Lines of Maize Differing for Glycinebetaine" *Plant Physiology* 107, 621-630 DOI: 10.1104/pp.107.2.621
7. Bonham, C.C., K.V. Wood, W.-J. Yang, A. Nadolska-Orczyk, **Y. Samaras**, D.A. Gage, J. Poupart, M. Burnet, A.D. Hanson and D. Rhodes (1995). "Identification of Quaternary Ammonium and Tertiary Sulfonium Compounds by Plasma Desorption Mass Spectrometry" *J. Mass Spectrometry* 30, 1187-1194 DOI: 10.1002/jms.1190300817
8. Papasavvas A., V. Triantafyllidis, G. Zervoudakis, G. Kapotis, **Y. Samaras**, G. Salahas (2008) "Correlation of SPAD-502 meter readings with physiological parameters and leaf nitrate content in *Beta vulgaris*" *Journal of Environmental Protection and Ecology* 9, 351-356
9. Tsasi G., M. Sokovic, A. Ciric, E. Eriotou, E. Sakadani, **Y. Samaras**, H. Skaltsa (2016). "Antifungal Compounds Isolated from *Smyrniolum olusatrum* L. Essential Oil, Growing Wild in Cephalonia, Greece. Chemical Analysis and Structure Elucidation". *Records of Natural Products* 10, 93-102
10. Tsasi G., T. Mailis, A. Daskalaki, E. Sakadani, P. Razis, **Y. Samaras**, H. Skaltsa (2017). "The Effect of Harvesting on the Composition of Essential Oils from Five Varieties of *Ocimum basilicum* L. Cultivated in the Island of Kefalonia, Greece" *Plants* , 6(3), 41; DOI: 10.3390/plants6030041
11. Arvaniti O. S., P. Mitsonis, I. Siorokos, E. Dermishaj, Y. Samaras (2019). "The physico-chemical properties and antioxidant capacities of commercial and homemade Greek vinegars" *Acta Scientiarum Polonorum Technologia Alimentaria* 18(3), 225-234
12. Fragopoulou E., F. Petsini, M. Choleva, M. Detopoulou, O. S. Arvaniti, E. Kallinikou, E. Sakantani, A. Tsolou, T. Nomikos, Y. Samaras (2020). "Evaluation of Anti-Inflammatory, Anti-Platelet and Anti-Oxidant Activity of Wine Extracts Prepared from Ten Different Grape Varieties" *Molecules*, 25(21), 5054 doi.org/10.3390/molecules25215054
13. Tsasi G., G. Danalatos, E.- M. Tomou, E. Sakadani, M. Bethanis, A. Kolokouris, Y. Samaras, A. Ćirić, M. Soković, H. Skaltsa (2022). "Chemical composition and antimicrobial activity of the essential oil of *Abies cephalonica* Loudon from Mount Ainos (Kefalonia, Greece)" *Journal of Essential Oil Research*, 34:2, 143-147, [doi.org: 10.1080/10412905.2022.2032421](https://doi.org/10.1080/10412905.2022.2032421)

14. Arvaniti O. S., A. Tsolou, E. Sakantani, S. Milla, E. Kallinikou, F. Petsini, M. Choleva, M. Detopoulou, E. Fragopoulou, Y. Samaras (2022). “Quality characteristics, polyphenol profile and antioxidant capacity in red, rosé and white monovarietal wines from Ionian Islands of Greece” *Acta Scientiarum Polonorum Technologia Alimentaria* 21(4), 343-357 doi.org/10.17306/J.AFS.2022.1091
15. Sclavounos A., P. Roussos, S. Milla, P. Kostas, Y. Samaras, C. Pozzi, J. Molla, A. Chitikineni, R. K. Varshney, A. Voloudakis (2023). “Genetic diversity of fig (*Ficus carica* L.) germplasm from the Mediterranean basin as revealed by SSR markers” *Genetic Resources and Crop Evolution* doi.org/10.1007/s10722-022-01509-0
16. Gerakis A., A. Frangos, X. Haldas, E. Katsalirou, **Y. Samaras** (2024). “Distribution and conservation status of *Scutellaria rupestris* subsp. *cephalonica* (Rech.f.) Greuter & Burdet” *Hacquetia* 23(1)