

PERSONAL INFORMATION

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ΙΣΤΟΣΕΛΙΔΕΣ:

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Assistant Professor of the Pomology laboratory of the Aristotle University of Thessaloniki (AUTH) from 2024. My research interests focus on the study of nutritional elements related to fruit physiology and ripening, factors affecting fruit quality and the understanding of molecular mechanisms in abiotic stresses of fruit trees using high-throughput molecular techniques (-omics) such as metabolomics, proteomics and comparative genomic analysis. From my research activity until now, 48 scientific papers, 1 literature review article, 1 chapter in an international book and 1 editorial letter in peer-reviewed scientific journals have been published. My *h-index* is 19/21 and the total citations are 888/1066 based on data from www.scopus.com and scholar.google.com databases, respectively. At the same time, I have presented / participated in 20 and 61 oral presentations or posters in international and national conferences. I have taught the courses Citrus and Tropical Fruits / Horticultural Biology / Small Fruits and participated in 2 educational programs. I have received 2 competitive grants and participated as a research team member in 5 competitive and 11 non-competitive projects. For the implementation and writing of the papers I have collaborated with a total of 107 co-authors of all levels. I have done reviews as a reviewer in 74 articles (22 titles of scientific journals belonging to SCI). I am also editor of 3 special issues and a member of the editorial team of the scientific journal *Horticulturae*.

1. EDUCATION

- 1.1. **2017 – 2020: Ph.D.** in Horticulture, Aristotle University of Thessaloniki, School of Agriculture, Forestry and Natural Environment, Department of Agriculture, Grade: (Excellent). Thesis title: Study of pre- and post-harvest calcium treatments affecting the quality characteristics of sweet cherry (*Prunus avium* L.) fruits.
- 1.2. **2014 – 2016: M.Sc.** Master of Horticulture Science, Aristotle University of Thessaloniki, School of Agriculture, Forestry and Natural Environment, Department of Agriculture, Grade: 8.63 (Excellent). Thesis title: The effect of pre- and post-harvest treatments with CaCl_2 on the quality of sweet cherry fruits (*Prunus avium* L.)
- 1.3. **2012 – 2015: B.Sc.** in Agriculture, (Plant Protection), Aristotle University of Thessaloniki, School of Agriculture, Forestry and Natural Environment, Department of Agriculture, Grade: 8.19 (Very Good). Thesis title: Study of aqueous extracts of three plant species for the control of nematodes.
- 1.4. **2005 – 2011: B.Sc.** in Forestry and Natural Environment, Aristotle University of Thessaloniki, School of Forestry and Natural Environment, Grade: 6.82 (Very Good).

2. TEACHING ACTIVITY

Teaching in University

- 2.1. **2024 – today.** Implementation of undergraduate courses: N020Y Pomology, N530E Olive Cultivation, N557Y Special Pomology – Deciduous Fruit Trees, N561E Subtropical – Tropical, Small and Other Fruit Trees, N564Y Biology of Horticulture.
- 2.2. **2020 – 2023.** Acquiring Academic Teaching Experience for Young Scientists Holders of a Doctorate at the Aristotle University of Thessaloniki for the academic year 2020-2023, (Competitive national scholarship) Hellenic State and European Social Fund. 2014-2020 "Human Resource Development, Education and Lifelong Learning". Implementation of the courses N547E, Citrus and Tropical Fruits / N564Y, Horticultural Biology / N544E Small Fruits.

Training programs

- 2.3. **2022.** Training of growers of Central Macedonia in modern practices and techniques of intelligent Horticulture with the combined use of Unmanned Aerial Systems (UAS), (Non-competitive national program) Company, NEW AGRICULTURE FOR THE NEW GENERATION.
- 2.4. **2022.** Training of young mastic producers of Chios in the propagation of mastic trees and their modern cultivation practices, (Non-competitive national program), Company, NEW AGRICULTURE FOR THE NEW GENERATION.

3. RESEARCH EMPLOYMENT

Scholarships

- 3.1. **2020 – 2021.** Study of sweet cherry cracking with a combined physiological and -omics approach (Crack-omics), (Competitive national scholarship), Operational Program "Human Resource Development, Education and Lifelong Learning 2014-2020", EDBM103, OPS 5047887, Researcher support with an emphasis on young researchers - second cycle Researcher scholarship within the framework of EDBM 103.
- 3.2. **2019 – 2021.** Study of pre- and post-harvest treatments affecting the quality characteristics of sweet cherry fruits (*Prunus avium* L.). (Competitive national scholarship) "2nd Announcement of EL.ID.EK. Scholarships for Doctoral Candidates" Beneficiary: MICHAEL MICHAELIDIS, Application Number: 274.

Employment in programs (participation in the research team)

Employment in nationally competitive programs

- 3.3. **2022 – 2023.** Rescue, preservation and exploitation of the native genetic material of citrus fruits with modern bio-analytical approaches (GoCitrus), (Competitive national program) T2EDK-01318, MIS 5072531. 2nd cycle RESEARCH - CREATE - INNOVATE and co-funding from the European Union and national resources through Competitiveness, Entrepreneurship & Innovation (EPANEK).
- 3.4. **2023.** Development and application of technological innovation to address important pre- and post-harvest problems of cherry cultivation. (Competitive regional program) Hellenic State and European Union and in particular by the European Regional Development Fund (ERDF), within the framework of the operational program "Central Macedonia" 2014-2020, Innovation Investment Plans.
- 3.5. **2021 – 2022.** Technological development and commercial implementation of a quality protocol for exporting Greek kiwis to important markets (Premium Kiwi), (Competitive national program). T2EDK-03007, MIS 5072503. 2nd cycle RESEARCH - CREATE - INNOVATE and co-financing from the European Union and national resources through Competitiveness, Entrepreneurship & Innovation (EPANEK).
- 3.6. **2019 – 2020.** Emblematic action "The Roads of the Olive" Subproject 1: Genetic and genomic analysis, (Competitive national program), National resources, NATIONAL 2014-2020, Emblematic ACTION "THE WAYS OF THE OLIVE".
- 3.7. **2018 – 2022.** Combined approach of -omic technologies and bioinformatics for the creation of the atlas of the Greek sweet cherry genetic resources, (Competitive national program), National resources, 1st Call for Research Projects EL.ID.EK. for the support of Postdoctoral Researchers.

Employment in non-competitive programs

- 3.8. **2019 – 2020.** Implementation of an innovative nutrition system to improve sweet cherry productivity, (Non-competitive project). Company, Service Projects.
- 3.9. **2019.** Development of an apple fertilization program to improve the quality of their fruits, (Non-competitive project). Company, Service Projects.
- 3.10. **2019.** Development of innovative nutrition products that contribute to the reduction of the consequences of abiotic stress in fruit trees, (Non-competitive project). Company, Service Projects.
- 3.11. **2018.** Effect of silicon on fruit cracking of sweet cherry varieties, (Non-competitive project). Company, Service Projects.
- 3.12. **2018.** Effect of silicon on the nutrition of fruit trees and on the pre- and post-harvest characteristics of its fruits, (Non-competitive project). Company, Service Projects.
- 3.13. **2017 – 2018.** Analysis of kiwifruit quality characteristics, (Non-competitive project). Company, Service Projects.
- 3.14. **2017.** Application of treatment protocols to improve peach quality, (Non-competitive project). Company, Service Projects.
- 3.15. **2016 – 2017.** Study of the absorption rate of Boron and Zinc by apple leaves after the application of different formulations, (Non-competitive project). Company, Service Projects.
- 3.16. **2016 – 2017.** Protocol for the experimental application of foliar nutrition formulation to improve the firmness, color and shelf life of apples, (Non-competitive project). Company, Service Projects.
- 3.17. **2016.** Protocol for the experimental application of a natural biostimulator to productive characteristics of kiwifruit, (Non-competitive project). Company, Service Projects.
- 3.18. **2016 – 2017.** Protocol for the experimental application of foliar nutrition formulation to improve the shelf life of kiwifruit, (Non-competitive project). Company, Service Projects.

4. PUBLICATIONS

Papers in peer-reviewed scientific journals (SCI)

* Equal contribution

- 4.1. Lagiotis G, Karamichali I, Astrinaki M, Bibi A C, Vassou D, Nteve G-M, Kollias A, Manolikaki I, Skodra C, **Michailidis M**, Manioudaki M, Iakovidis M, Ganopoulos I, Koubouris G, Molassiotis A, Bazakos C, Kafetzopoulos D, Madesis P. High-resolution gene expression atlases of two contrasting major Greek olive (*Olea europaea* L.) tree cultivars for oil and table olive production. **2024**, Physiologia Plantarum 176(6), e14600, <https://doi.org/10.1111/ppl.14600>
- 4.2. Tourvas N, Boutsika A, **Michailidis M**, Bazakos C, Mellidou I, Sarrou E, Polychroniadou C, Lyrou F, Kotina V-M, Xanthopoulou A, Molassiotis A, Ziogas V, Aravanopoulos F, Ganopoulos I. Citrus Greek National Germplasm Collection: a genetic diversity survey using nuclear and chloroplast microsatellite markers. **2024**, Genetic Resources and Crop Evolution, <https://doi.org/10.1007/s10722-024-02244-4>
- 4.3. Bazakos C*, **Michailidis M***, Tourvas N, Alexiou K, Mellidou I, Polychroniadou C, Boutsika A, Xanthopoulou A, Moysiadis T, Skodra C, Kollaros M-G, Glavakis E, Stournaras V, Karagiannis E, Aravanopoulos F, Molassiotis A, Tanou G, Ganopoulos I. Genetic mosaic of the Mediterranean fig: comprehensive genomic insights from a gene bank collection. **2024**, Physiologia Plantarum, 176(4), e14482, <https://doi.org/10.1111/ppl.14482>
- 4.4. Karageorgiadou M, Rodovitou M, Nasiopoulou E, Titeli V S, **Michailidis M**. Sweet Cherry Fruit Firmness Evaluation Using Compression Distance Methods. **2024**, Horticulturae, 10 (5), 435, <https://doi.org/10.3390/horticulturae10050435>
- 4.5. **Michailidis M***, Ziogas V*, Sarrou E, Nasiopoulou E, Titeli V S, Skodra C, Tanou G, Ganopoulos I, Martens S, Molassiotis A. Screening the Citrus Greek National Germplasm Collection for fruit quality and metabolic footprint. **2024**, Food Chemistry, 435, 137573, <https://doi.org/10.1016/j.foodchem.2023.137573>
- 4.6. Tziotzios G, Pantazi XE, Paraskevas C, Tsitsopoulos C, Valasiadis D, Nasiopoulou E, **Michailidis M**, Molassiotis A. Non-Destructive Quality Estimation Using a Machine Learning-Based Spectroscopic Approach in Kiwifruits. **2024**, Horticulturae 10: 251, <https://doi.org/10.3390/horticulturae10030251>
- 4.7. Martinidou E, **Michailidis M**, Ziogas V, Masuero D, Angeli A, Moysiadis T, Martens S, Ganopoulos I, Molassiotis A, Sarrou E. Comparative Evaluation of Secondary Metabolite

- Chemodiversity of Citrus Genebank Collection in Greece: Can the Peel be More than Waste? **2024**, Journal of Agricultural and Food Chemistry, <https://doi.org/10.1021/acs.jafc.4c00486>
- 4.8. Polychroniadou C, **Michailidis M**, Samiotaki M, Adamakis I D, Giannoutsou E, Skodra C, Karagiannis E, Bazakos C, Molassiotis A, Tanou G. Understanding the effect of calcium in kiwifruit ripening and establishment of early and late response mechanisms through a cross-omics approach. **2024**, Postharvest Biology and Technology, 211, 112803, <https://doi.org/10.1016/j.postharvbio.2024.112803>
 - 4.9. Ganopoulou M, Xanthopoulou A, **Michailidis M**, Angelis L, Ganopoulos I, Moysiadis T. Exploring the robustness of causal structures in omics data: A sweet cherry proteogenomic perspective. **2024**, Agronomy, 14, 8, <https://doi.org/10.3390/agronomy14010008>
 - 4.10. Valasiadis D, Kollaros M G, **Michailidis M**, Polychroniadou C, Tanou G, Bazakos C, Molassiotis A. Wide-characterization of high and low dry matter kiwifruit through spatiotemporal multi-omic approach. **2024**, Postharvest Biology and Technology, 209, 112727, <https://doi.org/10.1016/j.postharvbio.2023.112727>
 - 4.11. **Michailidis M**, Bazakos C, Kollaros M G, Adamakis I D, Ganopoulos I, Molassiotis A, Tanou G. Boron stimulates fruit formation and reprograms developmental metabolism in sweet cherry. **2023**, Physiologia Plantarum, 175: e13946, <https://doi.org/10.1111/ppl.13946>
 - 4.12. Boutsika A*, **Michailidis M***, Ganopoulou M, Dalakouras A, Skodra C, Xanthopoulou A, Stamatakis G, Samiotaki M, Tanou G, Moysiadis T, Angelis L, Bazakos C, Molassiotis A, Nianiou-Obeidat I, Mellidou I, Ganopoulos I. A wide foodomics approach coupled with metagenomics elucidates the environmental signature of potatoes. **2023**, iScience, 105917, <https://doi.org/10.1016/j.isci.2022.105917>
 - 4.13. Titeli V S, **Michailidis M**, Tanou G, Molassiotis A. Physiological and metabolic traits linked to kiwifruit quality. **2023**, Horticulturae, 9, 915, <https://doi.org/10.3390/horticulturae9080915>
 - 4.14. Skodra C, **Michailidis M**, Moysiadis T, Stamatakis G, Ganopoulou M, Adamakis I D, Angelis L, Ganopoulos I, Tanou G, Samiotaki M, Bazakos C, Molassiotis A. Disclosing the molecular basis of salinity priming in olive trees using proteogenomic model discovery. **2023**, Plant Physiology, 191:1913–1933, <https://doi.org/10.1093/plphys/kiac572>
 - 4.15. Bazakos C, Alexiou K G, Ramos-Onsins S, Koubouris G, Tourvas N, Xanthopoulou A, Mellidou I, Moysiadis T, Vourlaki I T, Metzidakis I, Sergeantani C, Manolikaki I, **Michailidis M**, Pistikoudi A, Polidoros A, Kostelenos G, Aravanopoulos F, Molassiotis A, Ganopoulos I. Whole genome scanning of a Mediterranean basin hotspot collection provides new insights into olive tree biodiversity and biology. **2023**, The Plant Journal, <https://doi.org/10.1111/tbj.16270>
 - 4.16. Kadoglidou K, Cook C, Boutsika A, Sarrou E, Mellidou I, Aidonidou C, Grigoriadis I, Angeli A, Martens S, Georgiadou V, Moysiadis T, Ralli P, Mylonas I, Tourvas N, **Michailidis M**, Kalivas A, Maloupa E, Ganopoulos I, Xanthopoulou A. Evaluation of a dill (*Anethum graveolens* L.) gene bank germplasm collection using multivariate analysis of morphological traits, molecular genotyping and chemical composition to identify novel genotypes for plant breeding. **2023**, PeerJ, 11, e15043, <https://doi.org/10.7717/peerj.15043>
 - 4.17. **Michailidis M**, Titeli V S, Karagiannis E, Feidaki K, Ganopoulos I, Tanou G, Argiriou A, Molassiotis A. Tissue-specific transcriptional analysis outlines calcium-induced core metabolic changes in sweet cherry fruit. **2022**, Plant Physiology and Biochemistry, 189, 139-152, <https://doi.org/10.1016/j.plaphy.2022.08.022>
 - 4.18. Polychroniadou C, **Michailidis M**, Adamakis I D, Karagiannis E, Ganopoulos I, Tanou G, Bazakos C, Molassiotis A. Mechanical stress elicits kiwifruit ripening changes in gene expression and metabolic status. **2022**, Postharvest Biology and Technology, 194, 112102, <https://doi.org/10.1016/j.postharvbio.2022.112102>
 - 4.19. Polychroniadou C, Karagiannis E, **Michailidis M**, Adamakis I D, Ganopoulos I, Tanou G, Bazakos C, Molassiotis A. Identification of genes and metabolic pathways involved in wounding-induced kiwifruit ripening. **2022**, Plant Physiology and Biochemistry, 179, 179-190, <https://doi.org/10.1016/j.plaphy.2022.03.027>
 - 4.20. Ganopoulou M, **Michailidis M**, Angelis L, Ganopoulos I, Molassiotis A, Xanthopoulou A, Moysiadis T. Could Causal Discovery in Proteogenomics Assist in Understanding Gene–Protein Relations? A Perennial Fruit Tree Case Study Using Sweet Cherry as a Model. **2022**, Cells, 11, 92, <https://doi.org/10.3390/cells11010092>
 - 4.21. Xanthopoulou A, Moysiadis T, Bazakos C, Karagiannis E, Karamichali I, Stamatakis G, Samiotaki M, Manioudaki M, **Michailidis M**, Madesis P, Ganopoulos I, Molassiotis A, Tanou

- G. The perennial fruit tree proteogenomics atlas: a spatial map of the sweet cherry proteome and transcriptome. **2022**, The Plant Journal, 15612, <https://doi.org/10.1111/tpl.15612>
- 4.22. **Michailidis M**, Karagiannis E, Bazakos C, Tanou G, Ganopoulos I, Molassiotis A. Genotype- and tissue-specific metabolic networks and hub genes involved in water-induced distinct sweet cherry fruit cracking phenotypes. **2021**, Computational and Structural Biotechnology Journal, 19, pp. 5406–5420, <https://doi.org/10.1016/j.csbj.2021.09.030>
 - 4.23. **Michailidis M**, Tanou G, Sarrou E, Karagiannis E, Ganopoulos I, Martens S, Molassiotis A. Pre- and post- harvest melatonin application boosted phenolic compounds accumulation and altered respiratory characters in sweet cherry fruit. **2021**, Frontiers in Nutrition, 8:695061, [10.3389/fnut.2021.695061](https://doi.org/10.3389/fnut.2021.695061)
 - 4.24. **Michailidis M**, Polychroniadou C, Kosmidou M A, Petraki-Katsoulaki D, Karagiannis E, Molassiotis A, Tanou G. An early calcium loading during cherry tree dormancy improves fruit quality features at harvest. **2021**, Horticulturae, 7, 135, <https://doi.org/10.3390/horticulturae7060135>
 - 4.25. **Michailidis M**, Karagiannis E, Nasiopoulou E, Skodra C, Molassiotis A, Tanou G. Peach, apple, and pear fruit quality: to peel or not to peel? **2021**, Horticulturae, 7, 85, <https://doi.org/10.3390/horticulturae7040085>
 - 4.26. Skodra C, **Michailidis M**, Dasenaki M, Ganopoulos I, Thomaidis N S, Tanou G, Molassiotis A. Unraveling salt-responsive tissue-specific metabolic pathways in olive tree. **2021**, Physiologia Plantarum, 13565, 1–14, <https://doi.org/10.1111/ppl.13565>
 - 4.27. Karagiannis E, **Michailidis M**, Skodra C, Stamatakis G, Dasenaki M, Ganopoulos I, Samiotaki M, Thomaidis N S, Molassiotis A, Tanou G. Proteo-metabolomic journey across olive drupe development and maturation. **2021**, Food Chemistry, 363: 130339, <https://doi.org/10.1016/j.foodchem.2021.130339>
 - 4.28. Karagiannis E, **Michailidis M**, Skodra C, Molassiotis A, Tanou G. Silicon influenced ripening metabolism and improved fruit quality traits in apples. **2021**, Plant Physiology and Biochemistry, 166, 270-276, <https://doi.org/10.1016/j.plaphy.2021.05.037>
 - 4.29. Avramidou E V, Moysiadis T, Ganopoulos I, **Michailidis M**, Kissoudis C, Valasiadis D, Kazantzis K, Tsaroucha E, Tsaftaris A, Molassiotis A, Aravanopoulos F A, Xanthopoulou A. Genetic, and epigenetic variation among diverse sweet cherry gene pools. **2021**, Agronomy, 11, 680, <https://doi.org/10.3390/agronomy11040680>
 - 4.30. Stavridou E, Voulgari G, **Michailidis M**, Kostas S, Chronopoulou E G, Labrou N E, Madesis P, Nianiou-Obeidat I. Overexpression of a biotic stress-inducible *Pvgstu* gene activates early protective responses in tobacco under combined heat and drought. **2021**, International Journal of Molecular Sciences, 22, 2352, <https://doi.org/10.3390/ijms22052352>
 - 4.31. Karagiannis E, Sarrou E, **Michailidis M**, Tanou G, Ganopoulos I, Bazakos C, Kazantzis K, Martens S, Xanthopoulou A, Molassiotis A. Fruit quality trait discovery and metabolic profiling in sweet cherry genebank collection in Greece. **2021**, Food Chemistry, 342:128315, <https://doi.org/10.1016/j.foodchem.2020.128315>
 - 4.32. **Michailidis M**, Karagiannis E, Tanou G, Samiotaki M, Tsiolas G, Sarrou E, Stamatakis G, Ganopoulos I, Martens S, Argiriou A, Molassiotis A. Novel insights into the calcium action in cherry fruit development revealed by high-throughput mapping. **2020**, Plant Molecular Biology, <https://doi.org/10.1007/s11103-020-01063-2>
 - 4.33. **Michailidis M**, Karagiannis E, Tanou G, Sarrou E, Karamanoli K, Lazaridou A, Martens S, Molassiotis A. Sweet cherry fruit cracking: follow-up testing methods and cultivar-metabolic screening. **2020**, Plant Methods, 16:51, <https://doi.org/10.1186/s13007-020-00593-6>
 - 4.34. **Michailidis M**, Karagiannis E, Tanou G, Samiotaki M, Sarrou E, Karamanoli K, Lazaridou A, Martens S, Molassiotis A. Proteomic and metabolic analysis reveals novel sweet cherry fruit development regulatory points influenced by girdling. **2020**, Plant Physiology and Biochemistry, 149, 233-244, <https://doi.org/10.1016/j.plaphy.2020.02.017>
 - 4.35. Karagiannis E, **Michailidis M**, Tanou G, Scossa F, Sarrou E, Stamatakis G, Samiotaki M, Martens S, Fernie A R, Molassiotis A. Decoding altitude-activated regulatory mechanisms occurring during apple peel ripening. **2020**, Horticulture Research, 7:120, <https://doi.org/10.1038/s41438-020-00340-x>
 - 4.36. Xanthopoulou A, Manioudaki M, Bazakos C, Kissoudis C, Farsakoglou A M, Karagiannis E, **Michailidis M**, Polychroniadou C, Zambounis A, Kazantzis K, Tsaftaris A, Madesis P, Aravanopoulos F, Molassiotis A, Ganopoulos I. Whole genome re-sequencing of sweet cherry (*Prunus avium* L.) yields insights into genomic diversity of a fruit species. **2020**, Horticulture Research, 7:60, <https://doi.org/10.1038/s41438-020-0281-9>

- 4.37. Karagiannis E, Tanou G, Scossa F, Samiotaki M, **Michailidis M**, Manioudaki M, Laurens F, Job D, Fernie A R, Orsel M, Molassiotis A. Systems-based approaches to unravel networks and individual elements involved in apple superficial scald. **2020**, *Frontiers in Plant Science*, 11:8, <https://doi.org/10.3389/fpls.2020.00008>
- 4.38. Tsaballa A, Sarrou E, Xanthopoulou A, Tsaliki E, Kissoudis C, Karagiannis E, **Michailidis M**, Martens S, Sperdouli E, Hilioti Z, Fotopoulos V, Nianiou-Obeidat I, Tsaftaris A, Madesis P, Kalivas A, Ganopoulos I. Comprehensive approaches reveal key transcripts and metabolites highlighting metabolic diversity among three oriental tobacco varieties. **2020**, *Industrial Crops & Products* 143, 111933, <https://doi.org/10.1016/j.indcrop.2019.111933>
- 4.39. **Michailidis M**, Karagiannis E, Polychroniadou C, Tanou G, Karamanoli K, Molassiotis A. Metabolic features underlying the response of sweet cherry fruit to postharvest UV-C irradiation. **2019**, *Plant Physiology and Biochemistry*, 144, 49–57, <https://doi.org/10.1016/j.plaphy.2019.09.030>
- 4.40. **Michailidis M**, Karagiannis E, Tanou G, Sarrou E, Stavridou E, Ganopoulos I, Karamanoli K, Madesis P, Martens S, Molassiotis A. An integrated metabolomic and gene expression analysis identifies heat and calcium metabolic networks underlying postharvest sweet cherry fruit senescence. **2019**, *Planta*, 250, 2009–2022, <https://doi.org/10.1007/s00425-019-03272-6>
- 4.41. Stavridou E, **Michailidis M**, Gedeon S, Ioakeim A, Kostas S, Chronopoulou E, Labrou N E, Edwards R, Day A, Nianiou-Obeidat I, Madesis P. Tolerance of Transplastomic Tobacco Plants Overexpressing a Theta Class Glutathione Transferase to Abiotic and Oxidative Stresses. **2019**, *Frontiers in Plant Science*, 9:1861, <https://doi.org/10.3389/fpls.2018.01861>
- 4.42. **Michailidis M**, Karagiannis E, Tanou G, Sarrou E, Adamakis I D, Karamanoli K, Martens S, Molassiotis A. Metabolic mechanisms underpinning vegetative bud dormancy release and shoot development in sweet cherry. **2018**, *Environmental and Experimental Botany*, 155, 1–11, <https://doi.org/10.1016/j.envexpbot.2018.06.024>
- 4.43. Karagiannis E, **Michailidis M**, Tanou G, Samiotaki M, Karamanoli K, Avramidou E, Ganopoulos I, Madesis P, Molassiotis A. Ethylene –dependent and –independent superficial scald resistance mechanisms in ‘Granny Smith’ apple fruit. **2018**, *Scientific Reports*, 8:11436, <https://doi.org/10.1038/s41598-018-29706-x>
- 4.44. Ganopoulos I, Farsakoglou A M, Aravanopoulos F, Molassiotis A, **Michailidis M**, Malliarou E, Avramidou E, Tsaftaris A, Osathanunkul M, Madesis P, Kazantzis K, Xanthopoulou A. Towards sweet cherry (*Prunus avium* L.) breeding: phenotyping evaluation of newly developed hybrids. **2018**, *Euphytica*, 214:99, <https://doi.org/10.1007/s10681-018-2179-2>
- 4.45. Karagiannis E, **Michailidis M**, Karamanoli K, Lazaridou A, Minas I S, Molassiotis A. Postharvest responses of sweet cherry fruit and stem tissues revealed by metabolomic profiling. **2018**, *Plant Physiology and Biochemistry*, 127, 478–484, <https://doi.org/10.1016/j.plaphy.2018.04.029>
- 4.46. **Michailidis M**, Karagiannis E, Tanou G, Karamanoli K, Lazaridou A, Matsi T, Molassiotis A. Metabolomic and physico-chemical approach unravel dynamic regulation of calcium in sweet cherry fruit physiology. **2017**, *Plant Physiology and Biochemistry*, 116, 68–79, <https://doi.org/10.1016/j.plaphy.2017.05.005>
- 4.47. Karagiannis E, Tanou G, Samiotaki M, **Michailidis M**, Diamantidis G, Minas I S, Molassiotis A. Comparative Physiological and Proteomic Analysis Reveal Distinct Regulation of Peach Skin Quality Traits by Altitude. **2016**, *Frontiers in Plant Science*, 7:1689, <https://doi.org/10.3389/fpls.2016.01689>
- 4.48. Ntalli N, Oplos C, **Michailidis M**, Thanasenaris A, Kontea D, Caboni P, Tsiropoulos N G, Menkissoglu-Spiroudi U, Adamski Z. Strong synergistic activity and egg hatch inhibition by (*E,E*)-2,4-decadienal and (*E*)-2-decenal in *Meloidogyne* species. **2016**, *Journal of Pest Science*, 89.2, 565–579, <https://doi.org/10.1007/s10340-015-0711-x>

Review article in peer-reviewed journal

- 4.49. Skodra C, Titeli V S, **Michailidis M**, Bazakos C, Ganopoulos I, Molassiotis A, Tanou G. Olive fruit development and ripening: break on through to the “-Omics” side. **2021**, *International Journal of Molecular Sciences*, 22, 5806, <https://doi.org/10.3390/ijms22115806>

Book chapter

- 4.50. Ziogas V, **Michailidis M**, Karagiannis, Tanou G, Molassiotis A. Manipulating fruit quality through foliar nutrition, *Fruit Crops: Diagnosis and Management of Nutrient Constraints*.

2020, Elsevier, pp. 401–417, chapter 29, Cited: 5, <https://doi.org/10.1016/b978-0-12-818732-6.00029-0>

Editorial letter

- 4.51. **Michailidis M**, Tanou G. Improving Quality of Fruit. **2022**, Horticulturae, 8, 1194, <https://doi.org/10.3390/horticulturae8121194>

5. CONFERENCES

International conferences

V Balkan Symposium on Fruit Growing, 18-21 June 2023, Zagreb, Croatia.

- 5.1. **Michailidis M**, Skodra C, Karagiannis E, Samiotaki M, Ganopoulos I, Tanou G, Bazakos C, Dalakouras A, Molassiotis A. Moving beyond the molecular mechanism of superficial scald in apple fruit, page 74, (poster)
- 5.2. **Michailidis M**, Polychroniadou C, Adamakis I-D S, Ganopoulos I, Tanou G, Bazakos C, Karagiannis E, Molassiotis A. Calcium signature in kiwifruit ripening through multi-omics integration, page 38, (poster)

VII Postharvest Unlimited Congress, 14-18 May 2023, Wageningen, Netherlands.

- 5.3. Karagiannis E, Polychroniadou C, **Michailidis M**, Adamakis I-D, Ganopoulos I, Samiotaki M, Bazakos C, Tanou G, Molassiotis A. A global understanding of calcium postharvest action during kiwifruit ripening, PHU6a-1, (Oral)
- 5.4. Molassiotis A, Skodra C, Karagiannis E, **Michailidis M**, Samiotaki M, Ganopoulos I, Tanou G, Bazakos C, Dalakouras A. Molecular regulation of superficial scald in ‘Granny Smith’ apple fruit, PHU1a-3, (Oral)

5th INPPO World Congress, 22-25 May 2023, Thessaloniki, Greece.

- 5.5. Mellidou I, Boutsika A, Samiotaki M, **Michailidis M**, Moysiadis T, Skodra C, Xanthopoulou A, Tanou G, Ganopoulou M, Stamatakis G, Angelis L, Molassiotis A, Nianiou-Obeidat I, Bazakos C, Ganopoulos I. A proteogenomics approach to unravel the quality of potato originating from contrasting terroirs, page 67, (poster)
- 5.6. Nasiopoulou E, Skodra C, **Michailidis M**, Adamakis I-D, Samiotaki M, Tanou G, Ganopoulos I, Bazakos C, Dalakouras A, Molassiotis A. Cross-omics analysis uncovers key transcription factors involved in UVC-inducible ripening signaling in peach fruit, page 56, (poster)
- 5.7. Polychroniadou C, **Michailidis M**, Adamakis I-D, Skodra C, Ganopoulos I, Samiotaki M, Bazakos C, Karagiannis E, Tanou G, Molassiotis A. A multi-omic framework of calcium-mediated kiwifruit ripening, page 32, (Oral)
- 5.8. Skodra C, Karagiannis E, **Michailidis M**, Samiotaki M, Ganopoulos I, Tanou G, Bazakos C, Dalakouras A, Molassiotis A. Towards characterizing the molecular mechanism of cold-stress induced scald in apples, page 15, (Oral)
- 5.9. Skodra C, **Michailidis M**, Mehmeti A, Samiotaki M, Ganopoulos I, Tanou G, Bazakos C, Fragkostefanakis S, Molassiotis A. Multi-omics combined with genetic analysis reveals key transcription factors involved in the acclimation of olive plants to cold stress, page 11, (Oral)

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

- 5.10. Mellidou I, Boutsika A, **Michailidis M**, Moysiadis T, Dalakouras A, Skodra C, Xanthopoulou A, Tanou G, Ganopoulou M, Bazakos C, Molassiotis A, Nianiou-Obeidat I, Ganopoulos I. A wide foodomics approach coupled with metagenomics elucidates the environmental signature of Protected Geographical Indication potatoes, pages 161-162, (Oral)

1st International Symposium on Reproductive Biology of Fruit Tree Species, 8-10 November 2021, France.

- 5.11. **Michailidis M**, Karagiannis E, Bazakos C, Tanou G, Ganopoulos I, Molassiotis A. Characterization of hub genes involved in sweet cherry fruit cracking, P32, page 83, (Virtual poster)
- 5.12. Molassiotis A, **Michailidis M**, Feidaki K, Titeli V-S, Tanou G, Adamakis I-D, Argiriou A. Molecular changes in the developing of stems in sweet cherry fruit with distinct abscission

behavior, P14, page 43, (Virtual poster)

X. International Symposium On Kiwifruit, 27-30 September 2021, Yalova / Turkey.

- 5.13. Polychroniadou C, **Michailidis M**, Karagiannis E, Ganopoulos I, Bazakos C, Tanou G, Molassiotis A. Characterization of metabolic pathways involved in wounding-induced kiwifruit ripening, 3094, page 42, (Virtual Oral)
- 5.14. Titeli V-S, **Michailidis M**, Dasenaki M, Thomaidis N, Tanou G, Molassiotis A. Dry matter as an indicator of metabolic homeostasis and quality evaluation in kiwifruits, 3092, page 41, (Virtual poster)
- 5.15. Polychroniadou C, **Michailidis M**, Karagiannis E, Adamakis I-D, Ganopoulos I, Tanou G, Bazakos C, Molassiotis A. The impact of technical damage in kiwifruit ripening during different cold storage periods, 3095, page 43, (Virtual poster)
- 5.16. Polychroniadou C, **Michailidis M**, Karagiannis E, Ganopoulos I, Bazakos C, Adamakis I-D, Tanou G, Molassiotis A. Physiological and molecular aspect of calcium action in kiwifruit during ripening, 3089, page 40, (Virtual Oral)

4th INPPO World Congress, 9-11 March 2021, Canada.

- 5.17. Xanthopoulou A, Moysiadis T, Bazakos C, Karagiannis E, Karamichali I, Stamatakis G, Samiotaki M, Manioudaki M, Kissoudis C, **Michailidis M**, Bosmali I, Madesis P, Ganopoulos I, Molassiotis A, Tanou G. Proteogenomics atlas in a perennial fruit trees: a sweet cherry case study, IT3, page 21, (Virtual Oral)
- 5.18. Karagiannis E, **Michailidis M**, Skodra C, Stamatakis G, Dasenaki M, Samiotaki M, Ganopoulos I, Molassiotis A, Thomaidis NS, Tanou G. Proteo-metabolomic study of olive (cv. Chondrolia Chalkidikis) drupe development and maturation. Page 49, (Virtual poster)

3rd INPPO World Congress, 9-12 September 2018, Italy.

- 5.19. Karagiannis E, Tanou G, **Michailidis M**, Molassiotis A. Multi-omics approach to improve the understanding of superficial scald mechanisms in apple fruit. Abstract no. 32 - Session VII, Page 44, (Oral)

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- 5.20. **Michailidis M**, Karagiannis E, Rodovitis I, Savvidis S, Lazaridou A, Molassiotis A. The effect of preharvest and postharvest CaCl₂ application on sweet cherry quality. PP-21, Page 58, COST FA1104 (poster)

National conferences

31st Conference of the Hellenic Society of Horticultural Science, October 29-November 2, 2023, Heraklion.

- 5.21. **Michailidis M**, Skodra X, Dalakouras A, Adamakis I-D, Titeli V-S, Argyriou A, Karagiannis E, Tanou G, Bazakos X, Molassiotis A. The effect of transcription factors on rooting of cherries (*Prunus avium* L.), DE -21, p. 79. (oral presentation)
- 5.22. **Michailidis M**, Ziogas B, Sarrou E, Nasiopoulou E, Titeli V S, Shkodra X, Tanou C, Ganopoulos I, Martens S, Molassiotis A. Quality characteristics and metabolomic footprint of Greek citrus cultivars, DE-13, p. 71. (oral presentation)
- 5.23. **Michailidis M**, Raptis P, Polychroniadou X, Adamakis I D, Babani F, Kouriati A, Bazakos X, Tanou G, Molassiotis A. The effect of silicon on the quality of the fruits of the kiwi variety 'Hayward', DEP-39, p. 193 (poster)
- 5.24. Titeli B S, **Michailidis M**, Shkodra X, Tanou C, Bazakos X, Molassiotis A. Modification of cherry skin color and fruit size by RNAi-interference, ΔE-18, p. 76. (oral presentation)
- 5.25. Nasiopoulou E, Skodra X, **Michailidis M**, Adamakis I-D, Samiotaki M, Tanou G, Ganopoulos I, Bazakos X, Dalakouras A, Molassiotis A. Understanding the effect of UV-C radiation on peach fruit ripening through systemic and functional analysis. DE-11, p. 69. (oral presentation)
- 5.26. Titeli VS, **Michailidis M**, Kritsotaki LE, Klarouda TH, Tsolakopoulou M, Tanou G, Molassiotis A. Evaluation of quality characteristics of cherry fruits (*Prunus avium* L.) with destructive and non-destructive approach methodology, DEP-53, p. 213. (poster)

- 5.27. Shkodra X, Karagiannis E, **Michailidis M**, Samiotaki M, Ganopoulos I, Tanou C, Bazakos X, Dalakouras A, Molassiotis A. Study of the action of target genes related to surface burn of apples using large-scale data and biotechnological tools. DEP-54, p. 214. (poster)
- 5.28. Stouris D, Kyrou M-R, **Michailidis M**, Tanou G, Molassiotis A, Karagiannis E. Determination of apple and actinia fruit starch using colorimetric analysis, DEP-14, p. 174. (poster)
- 5.29. Bazakos H, **Michailidis M**, Tourvas N, Alexiou K, Mellidou I, Polychroniadou X, Ramos-Onsins S, Boutsika A, Xanthopoulou A, Mousiadis T, Stournaras B, Karagiannis E, Aravanopoulos F, Molassiotis A, Tanou C, Ganopoulos I. Genome resequencing of the Mediterranean fig collection provides information on genome diversity and its association with agronomic traits, EE-7, p. 65. (oral presentation)
- 5.30. Kyriakidou E, **Michailidis M**, Ioannidou S, Kostas S, Tsoulfa P, Oikonomou A, Hatzilazarou S. Preservation and in vitro response of *Cistus creticus* explants after encapsulation in a calcium alginate capsule, AN-1, p. 34. (oral presentation)
- 5.31. Skodra X, **Michailidis M**, Mehmeti A, Samiotaki M, Ganopoulos I, Tanou G, Bazakos X, Fragostefanakis S, Molassiotis A. Study of olive response to cold through combined analysis of large-scale data and functional analyses, DE-3, p. 61. (oral presentation)

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- 5.32. **Michailidis M**, Zaharis I, Polychroniadou X, Shkodra X, Nasiopoulou E, Titeli VS, Tanou G, Molassiotis A. Application of biostimulants to improve the yield and quality of kiwifruit of the variety 'Hayward', DE. 41, p. 80. (poster)
- 5.33. **Michailidis M**, Adamakis I-D, Titeli VS, Nasiopoulou E, Fidaki K, Argyriou A, Karagiannis E, Tanou G, Molassiotis A. Physicochemical, anatomical and molecular changes in developing cherry pedicels with different cutting behavior, DE. 40, p. 79. (poster)
- 5.34. **Michailidis M**, Stournaras B, Shkodra X, Tyrkos P, Glavakis E, Boutsika A, Georgiadou B, Molassiotis A, Ganopoulos I, Tanou G. Fruit quality evaluation of 42 fresh Greek varieties of fig (*Ficus carica* L.), DE. 29, p. 68. (poster)
- 5.35. Polychroniadou X, **Michailidis M**, Karagiannis E, Skodra X, Nasiopoulou E, Tanou G, Molassiotis A. The combined effect of amino acids and trace elements on the productivity and size of olives of the variety 'Chondrolia Halkidiki', DE. 78, p. 117. (poster)
- 5.36. Valasiadis D, **Michailidis M**, Bazakos X, Ganopoulos I, Tanou G, Molassiotis A. The interaction of dry matter and 1-methylcyclopropene in the ripening of kiwifruit, DE. 72, p. 111. (poster)
- 5.37. Valasiadis D, **Michailidis M**, Bazakos X, Ganopoulos I, Tanou G, Molassiotis A. Non-destructive separation of kiwifruit into high and low dry matter groups and mass analysis of gene expression, DE. 65, p. 104. (poster)
- 5.38. Titeli B S, **Michailidis M**, Nasiopoulou E, Shkodra X, Tanou G, Molassiotis A. Study of the effect of dry matter on the quality of actinia fruits in the Nestos area, DE. 52, p. 91. (poster)
- 5.39. Karagiannis E, **Michailidis M**, Polychroniadou X, Shkodra X, Nasiopoulou E, Molassiotis A, Tanou G. The combined effect of calcium and silicon in improving the yield and quality of nectarines, DE. 51, p. 90. (poster)
- 5.40. Skodra X, **Michailidis M**, Nasiopoulou E, Titeli B-S, Polychroniadou X, Stamatakis C, Adamakis I-D, Samiotaki M, Karagiannis E, Ganopoulos I, Tanou C, Bazakos X, Molassiotis A. Study of the response of olive (*Olea europaea* L.) in the cold using large-scale data, DE. 49, p. 88. (poster)
- 5.41. Polychroniadou X, **Michailidis M**, Karagiannis E, Ganopoulos I, Bazakos X, Adamakis I D, Tanou G, Molassiotis A. The effect of calcium on the quality of actini fruits of the variety 'Hayward', DE. 48, p. 87. (poster)
- 5.42. Nasiopoulou E, **Michailidis M**, Shkodra X, Rodovitou M, Makrikostas T, Tanou G, Molassiotis A. Evaluation of fruit quality characteristics of peach varieties (*Prunus persica* L.) of different degrees of maturity, DE. 43, p. 82. (poster)
- 5.43. Nasiopoulou E, **Michailidis M**, Titeli B S, Shkodra X, Xiropoulos M, Tanou G, Molassiotis A. Evaluation of quality characteristics of peach (*Prunus persica* L.) fruits of different degrees of ripeness by destructive and non-destructive methodology, DE. 42, p. 81. (poster)
- 5.44. Mouratidis E, **Michailidis M**, Dosta S, Giannoutsou E, Adamakis I-D, Tanou G, Karagiannis E, Molassiotis A. The effect of foliar calcium sprays on the occurrence of bitter spot symptoms in apple fruit (*Malus domestica* Borkh), DE. 39, p. 78. (poster)
- 5.45. Shkodra X, **Michailidis M**, Mousiadis T, Stamatakis G, Ganopoulou M, Adamakis I D, Samiotaki M, Ganopoulos I, Tanou G, Bazakos X, Molassiotis A. Study of olive acclimation

- to salinity using proteo-genomic analysis and causal factors models, DE. 21, p. 60. (oral presentation)
- 5.46. Ziogas V, **Michailidis M**, Nasiopoulou E, Titeli VS, Molassiotis A. Atlas of quality characteristics of indigenous citrus varieties, DE. 15, p. 54. (oral presentation)
 - 5.47. Karagiannis E, Skodra X, **Michailidis M**, Samiotaki M, Ganopoulos I, Tanou G, Bazakos X, Dalakouras A, Molassiotis A. Understanding the mechanism of surface burn of apples by -omic analysis, RNA applications and genomic resequencing, DE. 5, p. 44. (oral presentation)
 - 5.48. Polychroniadou X, **Michailidis M**, Karagiannis E, Adamakis I D, Ganopoulos I, Tanou G, Bazakos X, Molassiotis A. The effect of two types of injury on the post-harvest physiology of actini fruits of the variety 'Hayward', DE. 4, p. 43. (oral presentation)
 - 5.49. Lagiotis G, Astrinaki M, Karamihali I, Bibi A, Vassou D, Deve G M, Kollias A, Manolikaki I, Skodra X, **Michailidis M**, Ganopoulos I, Koumbouris C, Molassiotis A, Bazakos X, Cafetzopoulos D, Madesis P. Creation transcriptomic atlas and comparative study of the leaf, shoot, flower, endocarp and fruit developmental stages of the olive cultivars 'Koroneiki' and 'Khondroelia Halkidiki', DE. 3, p. 42. (oral presentation)
 - 5.50. Bazakos X, Alexiou K, Ramos-Onsins S, Koumbouris C, Mousiadis T, Vourlakis I-T, Metzidakis I, Sergeantani X, Manolikaki I, Tourvas N, Skodra X, **Michailidis M**, Pistikidis M, Polydoros A, Mellidou I, Xanthopoulou A, Aravanopoulos F, Kostelenos C, Molassiotis A, Ganopoulos I. Re-sequencing of the genome of Greek olive cultivars (*Olea europaea* L.) provides new insights into the biodiversity of the species in the Mediterranean, DE.2, p. 41. (oral presentation)

12^o Panhellenic Conference of the Society of Agricultural Engineers of Greece, 21-22 October 2021, Thessaloniki.

- 5.51. Titeli B S, **Michailidis M**, Molassiotis A. Study of the effect of dry matter and metabolic characteristics on the quality of actinidia fruits, pp. 171-174. (oral presentation)
- 5.52. Polychroniadou X, **Michailidis M**, Molassiotis A. The application of systemic technologies in the study of the effect of injury on the ripening of actinidia fruits, pp. 175-178. (oral presentation)

29^o Conference of the Hellenic Society of Horticultural Science, 15-18 October 2019, Patras.

- 5.53. **Michailidis M**, Karagiannis E, Tsiolas C, Argyriou A, Tanou C, Molassiotis A. Physiological and molecular effect of calcium on cherry fruits (*Prunus avium* L.) of the variety 'Tsolakeika', D1, p. 12. (oral presentation)
- 5.54. **Michailidis M**, Mitsani T, Karagiannis E, Molassiotis A, Ziogas V. Determination of quality characteristics of native and foreign orange varieties, DE-C5, p. 120. (poster)
- 5.55. **Michailidis M**, Skodra X, Mitsani T, Molassiotis A, Ziogas V. Evaluation of the phytochemical profile of Greek and foreign mandarin varieties, DE-C8, p. 123. (poster)
- 5.56. **Michailidis M**, Karagiannis E, Polychroniadou X, Zaharis I, Shkodra X, Nasiopoulou E, Tanou G, Molassiotis A. Comparative study of the quality characteristics of the peel in relation to the whole fruit of peach, apple and pear, DE-C16, p. 131. (poster)
- 5.57. **Michailidis M**, Karagiannis E, Polychroniadou X, Shkodra X, Nasiopoulou E, Tanou C, Molassiotis A. Study of fruit splitting in different cherry varieties, DE-C25, p. 141. (poster)
- 5.58. **Michailidis M**, Karagiannis E, Polychroniadou X, Nasiopoulou E, Tanou G, Molassiotis A. The combined effect of calcium and thermal treatment on the quality characteristics of cherry (*Prunus avium* L.) variety 'Lapins', EP-Γ27, p. 143. (poster)
- 5.59. Karagiannis E, **Michailidis M**, Tanou C, Samiotaki M, Sarrou E, Scossa F, Martens S, Fernie AR, Molassiotis A. Physiological and biochemical characterization of the effect of the environment on the ripening of apple fruit (*Malus domestica* Borkh), D5, p. 16. (oral presentation)
- 5.60. Xanthopoulou A, Manioudaki M, Kissoudis X, Farsakoglou AM, **Michailidis M**, Karagiannis E, Polychroniadou X, Madesis P, Aravanopoulos F, Tsautaris A, Molassiotis A, Ganopoulos I. Study of the genomic diversity of cherry (*Prunus avium* L.) by whole-genome resequencing, DE-C2, p. 117 (poster)
- 5.61. Polychroniadou X, **Michailidis M**, Karagiannis E, Zaharis I, Christofis F, Tanou G, Molassiotis A. The effect of injury in ozone conditions on the post-harvest physiology of actini fruits of the variety 'Hayward', DE-C17, p. 132. (poster)

- 5.62. Polychroniadou X, **Michailidis M**, Karagiannis E, Zaharis I, Irantos D, Petridis X, Tanou G, Molassiotis A. The effect of 1-methyl-cyclopropene on injured fruits of actini variety 'Hayward', DE-C18, p. 133. (poster)
- 5.63. Polychroniadou X, **Michailidis M**, Karagiannis E, Zaharis I, Shkodra X, Paroutoglou D, Molassiotis A. The effect of melatonin on the ripening of actini fruits of the variety 'Hayward', DE-C19, p. 134. (poster)
- 5.64. Skodra X, Kostas S, Polychroniadou X, **Michailidis M**, Karagiannis E, Tanou G, Molassiotis A. Study of the response of different levels of salinity in the olive variety 'Chondroelia Halkidiki', DE-C26, p. 142. (poster)

28^o Conference of the Hellenic Society of Horticultural Science, 16-20 October 2017, Thessaloniki.

- 5.65. **Michailidis M**, Karagiannis E, Molassiotis A. Technological and physiological study of cherry splitting, OP-50, p. 96. (oral presentation)
- 5.66. **Michailidis M**, Adamakis I D, Karagiannis E, Tanou G, Kalafatis N X, Molassiotis A. The evolution of the developmental stages of the annual shoot / phloem of the cherry (*Prunus avium* L.) during dormancy breaking, DKM-25, p. 175. (poster)
- 5.67. **Michailidis M**, Kosmidou MA, Petraki-Katsoulaki D, Vassilakakis M, Molassiotis A. The effect of ringing on the developmental stages of cherry fruits (*Prunus avium* L.), DKM-32, p. 182. (poster)
- 5.68. **Michailidis M**, Karagiannis E, Tanou G, Zaharis I, Tzoulis S, Molassiotis A. The effect of melatonin on the physiological characteristics of cherry (*Prunus avium* L.) variety 'Ferrovia', DKM-33, p. 183. (poster)
- 5.69. **Michailidis M**, Karagiannis E, Tanou G, Poulos R, Dalousios N, Karamanoli K, Molassiotis A. The effect of injury on the physiological disorder pitting of cherry fruits (*Prunus avium* L.) during their preservation, DKM-40, p. 190. (poster)
- 5.70. **Michailidis M**, Hatzieframidis I, Pantzartzis X, Rodovitis I, Doulgeris X, Vassilakakis M, Molassiotis A. The effect of ringing on the post-harvest physiological characteristics of cherry (*Prunus avium* L.) variety 'Ferrovia', DKM-41, p. 191. (poster)
- 5.71. **Michailidis M**, Karagiannis E, Tanou C, Rodovitis I, Doulgeris X, Karamanoli K, Molassiotis A. The effect of post-harvest application of ultraviolet radiation (UV-C) on the quality characteristics of cherry (*Prunus avium* L.) fruits, DKM-43, p. 193. (poster)
- 5.72. Karagiannis E, **Michailidis M**, Molassiotis A. Physiological and large-scale molecular analysis of the superficial blight of apples (*Malus domestica* Borkh), OP-32, p. 78. (oral presentation)
- 5.73. Pyrotis S, **Michailidis M**, Karagiannis E, Papaoikonomou M, Molassiotis A. The effect of CARPOPHOS® E2DA on improving the color and firmness of Fuji apples, OP-67, p. 113. (oral presentation)
- 5.74. Pitsikoglou A, Lemoni A, Makri X, **Michailidis M**, Tanou G, Molassiotis A. The effect of ultraviolet radiation (UV-C), sodium hypochlorite (NaClO) and sodium nitroprusside (SNP) on the development of cherry bud phenological stages (*Prunus avium* L.), DKM-15, p. 165. (poster)
- 5.75. Kalafatis N X, Mitroussi A, Kostidis G, Bekiaridis LP, **Michailidis M**, Karagiannis E, Tanou G, Molassiotis A. The effect of hydrogen sulfide (H₂S) and sodium nitroprusside (SNP) on the development of the phenological stages of buds of five cherry cultivars (*Prunus avium* L.), DKM-26, p. 176. (poster)
- 5.76. Kosmidou M A, Petraki-Katsoulaki D, **Michailidis M**, Molassiotis A. The effect of pre-harvesting application of CaCl₂ at the dormancy stage on cherry (*Prunus avium* L.) fruit splitting, DKM-42, p. 192. (poster)
- 5.77. Karagiannis E, **Michailidis M**, Molassiotis A. Investigation of the effect of the environment on quality characteristics of apple fruit (*Malus domestica* Borkh), DKM-50, p. 200. (poster)
- 5.78. Karagiannis E, **Michailidis M**, Tanou C, Ganopoulos I, Samiotaki M, Karamanoli A, Madesis P, Molassiotis A. Investigation of the physiological disorder of surface burn in "Granny Smith" apple fruits, DKM-51, p. 201. (poster)
- 5.79. Hatzilazarou S, Totsika A, Kostas S, **Michailidis M**, Koukounaras A, Oikonomou A. Alternative ways of establishing aseptic cultures in vitro in *Kolkwitsia amabilis*, ANTH-10, p. 283. (poster)

27^o Conference of the Hellenic Society of Horticultural Science, September 28-29, 2015, Volos.

- 5.80. Michailidis M**, Karagiannis E, Xenophontos R, Rodovitis I, Lazaridou A, Molassiotis A. The effect of pre-harvest and post-harvest application of CaCl₂ on cherry fruit quality characteristics, Faculty of Education-36, p. 132. (poster)
- 5.81.** Karagiannis E, **Michailidis M**, Xenophontos P, Testembasis S, Diamantidis G, Nanos C, Vassilakakis M, Molassiotis A. The effect of ozone and 1-Methylcyclopropene on the post-harvest behavior of apple fruit (*Malus domestica* Borkh), DE-20, p. 91. (oral presentation)

Paper in national journal

- 5.82.** Titeli B S, **Michailidis M**, Molassiotis A. The effect of dry matter on the quality of kiwifruit. Agriculture - Livestock 4/23 pp. 44-47. 2023.
- 5.83.** Titeli B S, **Michailidis M**, Molassiotis A. Determination of quality characteristics of kiwifruit. Agriculture - Livestock 4/23 pp. 62-65. 2023.
- 5.84.** Tanou G, **Michailidis M**. Beneficial and essential nutrients. Agriculture - Livestock 2/23 pp. 16-18. 2023.
- 5.85.** **Michailidis M**, Karagiannis E, Pyrotis S, Molassiotis A. The effect of Carpophos® E2DA on improving the color and firmness of Fuji apples. Agriculture - Livestock 5/2017 pp. 44-45. 2017.

4. INTERNATIONAL REGOGNITION

Editorial - publications

Category	Number of publications
Paper in peer-reviewed journal	48
Review in peer-reviewed journal	1
Book chapters	1
Editorial letters	1
Oral presentations and posters in international conferences	20
Oral presentations and posters in national conferences	61
Paper in national journal	4
Total publications	135
Total citations in Scopus (h-index = 18)	888
Total citations in Google Scholar (h-index = 20)	1062

Reviewer in peer-reviewed journal

Reviewer in 74 articles in the following international journals included in SCI:

<https://www.webofscience.com/wos/author/record/ABI-2806-2020>

Trends in Biotechnology (1), Horticulturae (18), Antioxidants (2), International Journal of Molecular Sciences (5), Plants (6), Foods (3), Genes (1), Sustainability (2), Agriculture (1), Agronomy (6), Microorganisms (1), Biochemical Genetics (1), Journal of the science of food and agriculture (2), Journal of Soil Science and Plant Nutrition (1), ACS omega (1), ACS Food Science & Technology (1), Scientia Horticulturae (1), Plant Science (1), PeerJ (2), Food Quality and Safety (1), Frontiers in Plant Science (4), Scientific Reports (4).

5. EDITOR / MEMBER OF SCIENTIFIC SOCIETIES

Role

- 5.1.** Guest Editor, Journal Horticulturae (MDPI), Special Issue; Improving Quality of Fruit.
- 5.2.** Guest Editor, Journal Horticulturae (MDPI), Special Issue; The State-of-the-Art Horticulture in the Balkan Region Scientific.
- 5.3.** Guest Editor, Journal Horticulturae (MDPI), Special Issue; Rootstock Budding/Grafting to Improve Yield and Quality of Horticultural Crops

Member

- 5.4.** Section Board Member, Journal Horticulturae (MDPI).
- 5.5.** International Society for Horticultural Science (2022 – Until today, user number: 121396)
- 5.6.** Hellenic Society for Horticultural Science (2018 – Until today)

Languages

Native language: Greek

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