

## Published Research

### 2022

#### Scientific Journals (in English)

Broufas G, Ortego F, Suzuki T, Smagghe G, Broekgaarden C, Diaz I. Editorial: Plant-Pest Interactions Volume I: Acari and Thrips. *Frontiers in Plant Science* 2022; 12: art. no. 773439

Colazza S, Pappas ML, Cortesero AM, Rodriguez-Saona C. Editorial: Chemical Ecology and Conservation Biological Control. *Frontiers in Ecology and Evolution* 2022; 10: art. no. 857438.

Koufakis IE, Pappas ML, Kalaitzaki AP, Tsagkarakis AE, Thanou ZN, Tzobanoglou DK, Broufas GD. First record of two leafhoppers, *Euscelis ohausi* and *Euscelidius variegatus*, for the island of Crete, Greece (Hemiptera: Cicadellidae). *Fragmenta Entomologica* 2022; 54: 185-192.

Mantzourani I, Daoutidou M, Nikolaou A, Kourkoutas Y, Alexopoulos A, Tzavellas I, Plessas S. Microbiological stability and sensorial valorization of thyme and oregano essential oils alone or combined with ethanolic pomegranate extracts in wine marinated pork meat. *International Journal of Food Microbiology* 2023, 386: 110022.

Mantzourani I, Nikolaou A, Kourkoutas Y, Alexopoulos A, Plessas S. Biotechnological Features of a Functional Non-Dairy Mixed Juice Fermented with *Lactocaseibacillus paracasei* SP5. *Fermentation* 2023, 9: 489.

Mattas K Tsakiridou E, Karelakis C, Lazaridou D Gorton M Filipović J Hubbard C, Saidi M, Stojkovic D, Tocco B, Tregear A, Veneziani M. Strengthening the sustainability of European food chains through quality and procurement policies, *Trends in Food Science & Technology*, 2022,120: 248-253,

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Papanikolaou NE, Broufas GD, Kypraios T, Liaka T, Pappas ML. Intraspecific interactions at high predator densities affect the predation efficiency of *Neoseiulus californicus* (Acari: Phytoseiidae) when prey density is low. *Ecological Entomology* 2022; 47: 770-777.

Parlakidis P, Tokamani M, Sandaltzopoulos R, Tokatlidis I, Sinapidou E, Vryzas Z. Evaluation of the removal efficacy of three fungicides by biomixtures: impact of bioaugmentation by plant growth promoting rhizobacteria and zeolite fortification. *International Journal of Environmental Analytical Chemistry* 2022.

Passas, I., Ragazou, K., Zafeiriou, E., Garefalakis, A., & Zopounidis, C. ESG controversies: A quantitative and qualitative analysis for the sociopolitical determinants in EU Firms. *Sustainability*, 2022; 14.19: 12879.

Perazzolli M, Ton J, Luna E, Mauch-Mani B, Pappas ML, Roberts MR, Vlot AC, Flors V. Editorial: Induced resistance and priming against pests and pathogens. *Frontiers in Plant Science* 2022; 13: art. no. 1075783

Pérez-Hedo M, Bouagga S, Zhang NX, Moerkens R, Messelink G, Jaques JA, Flors V, Broufas G, Urbaneja A, Pappas ML. Induction of plant defenses: the added value of zoophytophagous predators. *Journal of Pest Science* 2022; 95: 1501-1517.

Plessas S, Mantzourani I, Alexopoulos A, Alexandri M, Kopsahelis N, Adamopoulou V, Bekatorou A. Nutritional improvements of sourdough breads made with freeze-dried functional adjuncts based on probiotic *Lactiplantibacillus plantarum* subsp. *plantarum* and Pomegranate Juice. *Antioxidants* 2023, 12: 1113.

Plessas S. Editorial: Innovations in Functional Food Production: Application of Fruit and Vegetable Juices as Vehicles for Probiotic Delivery. *Frontiers in Microbiology* 2022, 13:854705.

Plessas S. The Rendering of Traditional Fermented Foods in Human Diet: Distribution of Health Benefits and Nutritional Benefits. *Fermentation* 2022, 8:751,

Ragazou, K., Garefalakis, A., Zafeiriou, E., & Passas, I.. Agriculture 5.0: A new strategic management mode for a cut cost and an energy efficient agriculture sector. *Energies*, 2022; 15.9: 3113.

Ragazou, K., Passas, I., Garefalakis, A., Zafeiriou, E., & Kyriakopoulos, G.. The determinants of the environmental performance of EU financial institutions: an empirical study with a GLM model. *Energies*, 2022; 15.15: 5325.

Raptou E, Manolas E. Consumption patterns and public attitudes toward organic foods: The role of climate change awareness. *Climate Change in the Mediterranean and Middle Eastern Region*, Springer, Cham., 2022; 2(19): 365–393.

Raptou E, Mattas K, Tsakiridou E, Baourakis G. Assessing the Aftermath of COVID-19 Outbreak in the Agro-Food System: An Exploratory Study of Experts' Perspectives. *Frontiers in Nutrition* 2022; 9: 769626.

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Zafeiriou, E., Spinthiropoulos, K., Tsanaktsidis, C., Garefalakis, S., Panitsidis, K., Garefalakis, A., & Arabatzis, G..Energy and mineral resources exploitation in the delignitization era: the case of Greek peripheries. *Energies*, 2022; 15.13: 4732.

Zisoudis, N., Zafeiriou, E., Garefalakis, A., Passas, I., & Ragazou, K.. THE ROLE OF A WELL-ESTABLISHED FOOD RETAIL FIRM IN GREEK ECONOMY IN THE ERA OF ECONOMIC CRISIS. *Journal of Governance and Regulation*, 2022;11:4.

### **International Conferences**

Alexopoulos A, Mantzourani I, Plessas S, Pagonopoulou O, Galanis A, Bezirtzoglou E. Microbiological stability of Greek traditional sausages following beta-glucan fortification. 41st International Congress of the Society for Microbial Ecology in Health and Disease (SOMED). Alexandroupolis, Greece, 2022, June 14-16.

Arampatzis T, Ntalia P, Avramidou M, Kakagianni M, Broufas G, Papadopoulou K, Pappas ML. Beneficial soil fungi-mediated tomato responses against *Aculops lycopersici*. EURAAC2022, Bari, Italy, 2022, July 12-15.

Koulymboudi L, Tzantarmas C, Sinapidou E, Papathanasiou F, Tokatlidis I. Single-plant selection at nil-competition as a means to develop promising open-pollinated lines. 2<sup>nd</sup> Global Conference on Agriculture. Berlin, Germany, 2022, December 09-11.

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Salpigktis D, Adamidis G, Parlakidis P, Tokamani M, Sinapidou E, Orfanoudakis M, Sandaltzopoulos R, Tokatlidis I, Vryzas Z. Dissipation and pharmacokinetics of thiamethoxam in the early growth stages of maize. 2<sup>nd</sup> Global Conference on Agriculture. Berlin, Germany, 2022, December 09-11.

Samaras K, Ntalia P, Broufas G, Pappas ML. Beneficial soil microbes to enhance tomato resistance against arthropod pests, IHC 2022, 2022, Angers, France, August 14-20.

### **Scientific Journals (in Greek)**

Παππά ΜΛ. Μικροοργανισμοί βελτιώνουν την άμυνα της τομάτας. Agro.Tech Magazine 2022; 6: 48-49.

### **National Conferences (in Greek)**

Κετίκογλου Α, Χατζησαββίδης Χρ, Αντωνοπούλου Χρ. Επίδραση της αυξημένης εδαφικής υγρασίας στην αύξηση και σε φυσιολογικές παραμέτρους υποκειμένων πυρηνοκάρπων. 30ο Πανελλήνιο Συνέδριο Ελληνικής Εταιρίας Επιστήμης Οπωροκηπευτικών. Αθήνα, 2022, Μάιος 115.

Μπαλαντινάκη Ε, Παγουλάτου Μ, Κουτσιλιανίδου Κ, Ζαμιούδης Χ, Γκούμας Δ. *Sinapis alba*: ένας νέος ξενιστής του βακτηρίου *Xanthomonas campestris* pv. *campestris* στην Ελλάδα. 20ο Πανελλήνιο Φυτοπαθολογικό Συνέδριο. Θεσσαλονίκη, 2022, Οκτώβριος 3-6.

Μπαλαντινάκη Ε, Παγουλάτου Μ, Κουτσιλιανίδου Κ, Τραντάς Ε. Ζαμιούδης Χ, Γκούμας Δ. Μία νέα βακτηριολογική ασθένεια της λεβάντας από το *Xanthomonas hortorum* στην Ελλάδα.

Μπουτζίκας Γ, Καράτζιος Σ, Κουτρούμπας Σ, van der Heiden M, Αλεξόπουλος Α, Ζαμιούδης Χ. MicroBreed: μία πειραματική πλατφόρμα για την επιλογή ανθεκτικών γενοτύπων τομάτας (*Solanum lycopersicum*) στη βάση του μικροβιώματος. 18ο Συνέδριο Ελληνικής Επιστημονικής Εταιρείας Γενετικής Βελτίωσης Φυτών. Βόλος, 2022, Οκτώβριος 5-7.

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Ντάλια Π, Σαμαράς Κ, Μπεχτσούδης Α, Μπρούφας ΓΔ, Παππά ΜΛ. Επιδράσεις μικροοργανισμών της ριζόσφαιρας στη βιολογία φυσικών εχθρών. 19ο Πανελλήνιο Εντομολογικό Συνέδριο, Αργίνο, 2022, Μάϊος 23-27.

Ορφανουδάκης Μ, Αλιφραγκή Μ, Σιναπίδου Ε, Πάνκου Χ, Γκέκας Φ, Παπαθανασίου Φ, Τοκατλίδης Ι. Αλληλεπίδραση γενοτύπων καλαμποκιού με ωφέλιμους μικροοργανισμούς εδάφους απουσία ανταγωνισμού. 18ο Συνέδριο Ελληνικής Επιστημονικής Εταιρείας Γενετικής Βελτίωσης Φυτών, Βόλος, 2022, Οκτώβριος 5 – 7.

Παππά ΜΛ, Σαμαράς Κ, Ντάλια Π, Φέκα Μ, Παπαδοπούλου Κ, Μπρούφας ΓΔ. Επιδράσεις ωφέλιμων μικροοργανισμών της ριζόσφαιρας σε φυτοφάγους εχθρούς. 19ο Πανελλήνιο Εντομολογικό Συνέδριο, Αργίνο, 2022, Μάϊος 23-27.

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Σιδέρη Ι, Δουργούτης Α, Θωμαΐδης Γ, Αρχιμανδρίτη Π, Μπουτζίκας Γ, Ζαμιούδης Χ. Το ενδοφυτικό διαμέρισμα της ρίζας του μαρουλιού (*Lactuca sativa* L. cv. "Parris Island") είναι εμπλουτισμένο με βακτηριακά στελέχη ανταγωνιστικά του φυτοπαθογόνου μύκητα *Fusarium oxysporum* f. sp. *lactucae*. 20ο Πανελλήνιο Φυτοπαθολογικό Συνέδριο. Θεσσαλονίκη, 2022, Οκτώβριος 3-6.

Σιναπίδου Ε, Ορφανουδάκης Μ, Πάνκου Χ, Αγγελακούδη Μ, Βροχίδης Ι, Φουρνομύτη Μ, Κουλυμπούδη Λ, Γκέκας Φ, Ζυρπιάδης Ε, Καραγεωργιάδου Μ, Κουρτίδου Ε, Τοκατλίδης Ι. Βελτίωση ελεύθερα επικονιαζόμενης σειράς καλαμποκιού σε συνάρτηση με την αλληλεπίδραση ατομικού φυτού με ωφέλιμους μικροοργανισμούς της ριζόσφαιρας. 18ο Συνέδριο Ελληνικής Επιστημονικής Εταιρείας Γενετικής Βελτίωσης Φυτών, Βόλος, 2022, Οκτώβριος 5 – 7.

Σωτηρόπουλος Στ, Χατζησαββίδης Χρ, Παπαδάκης Ι, Καββαδίας Β, Πασχαλίδης Χρ, Αντωνοπούλου Χρ, Κορίκη Α. Η διακύμανση της συγκέντρωσης βορίου στα φύλλα της ελιάς σε ασβεστώδη και όξινα εδάφη. 30ο Πανελλήνιο Συνέδριο Ελληνικής Εταιρείας Επιστήμης Οπωροκηπευτικών. Αθήνα, 2022, Μάϊος 86-91.

Τοπάλη Χρ, Χατζησαββίδης Χρ, Αντωνοπούλου Χρ. Επίδραση της διαφυλλικής λίπανσης στην απόδοση και την ποιότητα της ελιάς ποικιλίας Μάκρης. 30ο Πανελλήνιο Συνέδριο Ελληνικής Εταιρείας Επιστήμης Οπωροκηπευτικών. Αθήνα, 2022, Μάϊος 178-181.

Χόλλμπορν Μ, Μπεχτσούδης Α, Σαμαράς Κ, Μπρούφας ΓΔ, Παππά ΜΛ. Επιδράσεις πτητικών ενώσεων φυτικής προέλευσης στο ζωοφυτοφάγο αρπακτικό έντομο *Nesidiocoris tenuis* Reuter (Hemiptera: Miridae). 19ο Πανελλήνιο Εντομολογικό Συνέδριο, Αργίνο, 2022, Μάϊος 23-27.

### **Books and book chapters**

Κουτρούμπας ΣΔ. Αειφόρος ανάπτυξη και διαχείριση του αζώτου στα Μεσογειακά αγροοικοσυστήματα. Σὺ καὶ δικαστὴς ἄριστος. Σύμμεικτα εἰς μνήμην Γεωργίου Χ. Παναγιωτόπουλου. Εκδόσεις Σάκκουλα, Αθήνα, 2022, σελ. 821-832.

Μπρούφας, Γ., & Παππά, Μ. (2023). Εχθροὶ λαχανικῶν καὶ φυτῶν μεγάλης καλλιέργειας [Προπτυχιακὸ εγχειρίδιο]. Κάλλιπος, Ανοικτὲς Ακαδημαϊκὲς Εκδόσεις. <https://dx.doi.org/10.57713/kallipos-104>.

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Zisoudis, N., Zafeiriou, E., Garefalakis, A., & Gonidakis, F.. The Perceived Micro and Macroeconomic Impacts of a Health Management Crisis in Greece: An Empirical Survey. In International Conference Economies of The Balkan And Eastern European Countries. Cham: Springer Nature Switzerland 2022, pp. 119-134.

## **2023**

### **Scientific Journals (in English)**

Antoniadou M, Rozos G, Vaiou N, Zaralis K, Ersanli C, Alexopoulos A, Tzora A, Varzakas T, Voidarou C. The In Vitro Assessment of Antibacterial and Antioxidant Efficacy in Rosa damascena and Hypericum perforatum Extracts against Pathogenic Strains in the Interplay of Dental Caries, Oral Health, and Food Microbiota. *Microorganisms* 2023. 12(1):60.

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Kazakos S, Mantzourani I, Plessas S. Quality characteristics of novel sourdough breads made with functional *Lactocaseibacillus paracasei* SP5 and prebiotic food matrices. *Foods* 2022; 11 :3226.

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- Mantzourani I, Daoutidou M, Dasenaki M, Nikolaou A, Alexopoulos A, Terpou A, Plessas S. Plant extract and essential oil application against food-borne pathogens in raw pork meat. *Foods* 2022, 11: 861.
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- Papadopoulou C.I, Loizou E, Chatzitheodoridis F, Michailidis A, Karelakis C, Fallas Y., Paltaki A. What Makes Farmers Aware in Adopting Circular Bioeconomy Practices? Evidence from a Greek Rural Region. *Land*, 2023, 12, 809.
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