



ΠΑΝΕΠΙΣΤΗΜΙΟ ΘΕΣΣΑΛΙΑΣ
ΣΧΟΛΗ ΓΕΩΠΟΝΙΚΩΝ ΕΠΙΣΤΗΜΩΝ



ΤΜΗΜΑ ΓΕΩΠΟΝΙΑΣ ΦΥΤΙΚΗΣ ΠΑΡΑΓΩΓΗΣ ΚΑΙ ΑΓΡΟΤΙΚΟΥ
ΠΕΡΙΒΑΛΛΟΝΤΟΣ

Δημοσιεύσεις μελών ΔΕΠ του Τμήματος κατά το έτος 2023 στη διεθνή
βιβλιογραφική βάση δεδομένων SCOPUS

Βόλος

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βάση δεδομένων SCOPUS**

Στις επόμενες σελίδες παρουσιάζονται οι δημοσιεύσεις των μελών ΔΕΠ του Τμήματος κατά το έτος 2023 στη διεθνή βιβλιογραφική βάση δεδομένων Scopus. Σε κάθε δημοσίευση, τα στοιχεία των μελών ΔΕΠ του Τμήματος σημειώνονται με μαύρο χρώμα (bold).

Δημοσιεύσεις

Abou Nader E., Kleftodimos G., Kyrgiakos L.S., Kleisiari C., Gallai N., Darwich S., Berchoux T., **Vlontzos G.**, Belhouchette H. Linking Beekeepers' and Farmers' Preferences towards Pollination Services in Greek Kiwi Systems (2023) *Animals*, 13 (5), art. no. 806.

Adamaki-Sotiraki C., Deruytter D., Rumbos C.I., **Athanassiou C.G.** Cross-breeding of *Tenebrio molitor* strains from a large-scale perspective (2023) *Journal of Insects as Food and Feed*, 10 (5), pp. 855 – 864.

Adamaki-Sotiraki C., Rumbos C.I., **Athanassiou C.G.** Mating compatibility and offspring traits evaluation among different strains of *Tenebrio molitor* (2023) *Environmental Science and Pollution Research*, 30 (43), pp. 97052 – 97062.

Agrafioti P., Arthur F.H., **Athanassiou C.G.** Competition of *Rhyzopertha dominica* and *Sitophilus oryzae* on six sorghum varieties (2023) *Environmental Science and Pollution Research*, 30 (51), pp. 110805 – 110811.

Agrafioti P., Müller-Blenkle C., Adler C., **Athanassiou C.G.** Evaluation of zeolite dusts as grain protectants against *Lepinotus reticulatus*, *Liposcelis decolor*, *Acarus siro* and *Stegobium paniceum* (2023) *Journal of Plant Diseases and Protection*, 130 (2), pp. 393 – 399.

Agrafioti P., Rumbos C.I., Paloukas Y.Z., Arvanitakis G., **Athanassiou C.G.** Delayed responses of major stored-product beetle species after exposure to an alpha-cypermethrin-coated net (2023) *Journal of Stored Products Research*, 100, art. no. 10204.

Agrafioti P., Vrontaki M., Lampiri E., Rumbos C.I., **Athanassiou C.G.** Efficacy of Four Insecticides Applied to Fortified Rice with Basil against Major Stored-Product Insect Species (2023) *Agronomy*, 13 (12), art. no. 3055.

Agrafioti P., Vrontaki M., Rigopoulou M., Lampiri E., Grigoriadou K., Ioannidis P.M., Rumbos C.I., **Athanassiou C.G.** Insecticidal Effect of Diatomaceous Earth Formulations for the Control of a Wide Range of Stored-Product Beetle Species (2023) *Insects*, 14 (7), art. no. 656.

Alexopoulos A.A., Assimakopoulou A., Panagopoulos P., Bakea M., Vidalis N., Karapanos I.C., Rouphael Y., **Petropoulos S.A.** *Hedypnois cretica* L. and *Urospermum picroides* L. Plant Growth, Nutrient Status and Quality Characteristics under Salinity Stress (2023) *Horticulturae*, 9 (1), art. no. 65.

Alexopoulos A.A., Kartsonas E., Karras S., Mavrommati E., **Petropoulos S.A.**, Papafotiou M. In Vitro Propagation of *Origanum scabrum* (Boiss. & Heldr.): An Endemic Medicinal Plant of Greece (2023) *Plants*, 12 (11), art. no. 2118.

Altunç Y.E., Agrafioti P., Lampiri E., Güncan A., Tsialtas I.T., **Athanassiou C.G.** Population growth of *Prostephanus truncatus* and *Sitophilus zeamais* and infestation patterns in three maize hybrid (2023) *Journal of Stored Products Research*, 101, art. no. 102091

- Antonatos S., Anastasaki E., Balayiannis G., Michaelakis A., Magiatis P., Milonas P., **Papadopoulos N.T.**, Papachristos D.P. Identification of volatile compounds from fruits aroma and citrus essential oils and their effect on oviposition of *Ceratitis capitata* (Diptera:Tephritidae) (2023) Environmental Entomology, 52 (3), pp. 327 – 340.
- Antoniadis V.**, Molla A., Grammenou A., Apostolidis V., **Athanassiou C.G.**, Rumbos C.I., **Levizou E.** Insect Frass as a Novel Organic Soil Fertilizer for the Cultivation of Spinach (*Spinacia oleracea*): Effects on Soil Properties, Plant Physiological Parameters, and Nutrient Status (2023) Journal of Soil Science and Plant Nutrition, 23 (4), pp. 5935 – 5944.
- Antonopoulou E., Kolygas M., Panteli N., Gouva E., Kontogeorgiou P., Feidantsis K., Chatzopoulos A., Bitchava K., Zacharis C., Bonos E., Giannenas I., Skoufos I., Andreadis S.S., Skoulakis G., **Athanassiou C.G.**, Nathanailides C. Breeding Substrate Containing Distillation Residues of Mediterranean Medicinal Aromatic Plants Modulates the Effects of *Tenebrio molitor* as Fishmeal Substitute on Blood Signal Transduction and WBC Activation of Gilthead Seabream (*Sparus aurata*) (2023) Animals, 13 (15), art. no. 2537.
- Arvaniti E., Levizou E., **Kyparissis A.** Near-Zero Temperatures Arrest Movement of the Diaheliotropic *Malva sylvestris* (2023) Plants, 12 (13), art. no. 2484.
- Aslanidou M., Elvanidi A., Mourantian A., **Levizou E.**, Mente E., **Katsoulas N.** Nutrients Use Efficiency in Coupled and Decoupled Aquaponic Systems (2023) Horticulturae, 9 (10), art. no. 1077.
- Athanasiadis V., Voulgaris A., Katsoulis K., Lalas S.I., Roussis I.G., **Gortzi O.** Development of Enriched Oil with Polyphenols Extracted from Olive Mill Wastewater (2023) Foods, 12 (3), art. no. 497.
- Athanassiou C.G.**, Sakka M.K., Rumbos C.I., Schaffert S., Sterz T., Bozoglou C., Klitsinaris P., Austin J.W. Efficacy of Nets Coated with Different Concentrations of Alpha-Cypermethrin against Two Major Pests of Stored Tobacco (2023) Agronomy, 13 (1), art. no. 40.
- Avramidou E., Ganopoulos I., Mylona P., Abraham E.M., Nianiou-Obeidat I., Osathanunkul M., **Madesis P.** Comparative Analysis of the Genetic Diversity of Faba Bean (*Vicia faba* L.) (2023) Sustainability (Switzerland) , 15 (2), art. no. 1016.
- Avramidou E., Sarri E., Ganopoulos I., **Madesis P.**, Kougiteas L., Papadopoulou E.-A., Aliferis K.A., Abraham E.M., Tani E. Genetic and Metabolite Variability among Commercial Varieties and Advanced Lines of *Vicia faba* L. (2023) Plants, 12 (4), art. no. 908.
- Baliota G.V., **Athanassiou C.G.** Evaluation of Inert Dusts on Surface Applications and Factors That Maximize Their Insecticidal Efficacy (2023) Applied Sciences (Switzerland), 13 (5), art. no. 2767.
- Baliota G.V., **Athanassiou C.G.** Use of paraffin oils in agriculture and beyond: back to the future (2023) Environmental Science and Pollution Research, 30 (2), pp. 2392 – 2405.
- Baliota G.V., Edde P.A., Kudithipudi C., **Athanassiou C.G.** Effect of combining tobacco cultivars of different alkaloid contents on the development of *Lasioderma serricorne* (F.) (Coleoptera Anobiidae) (2023) Journal of Stored Products Research, 104, art. no. 102180.

- Bartzialis D., **Giannoulis K.D.**, Gintsioudis I., **Danalatos N.G.** Assessing the Efficiency of Different Nitrogen Fertilization Levels on Sorghum Yield and Quality Characteristics (2023) *Agriculture (Switzerland)*, 13 (6), art. no. 1253.
- Baxevanou C., Fidaros D., Papaioannou C., **Katsoulas N.** Design and Optimization of a Hybrid Solar–Wind Power Generation System for Greenhouses (2023) *Horticulturae*, 9 (2), art. no. 181.
- Beleri S., Balatsos G., Tegos N., Papachristos D., Mouchtouri V., Hadjichristodoulou C., Michaelakis A., **Papadopoulos N.T.**, Patsoula E. Winter survival of adults of two geographically distant populations of *Aedes albopictus* in a microclimatic environment of Athens, Greece (2023) *Acta Tropica*, 240, art. no. 106847.
- Ben-Yosef M., Altman Y., Nemni-Lavi E., **Papadopoulos N.T.**, Nestel D. Larval nutritional-stress and tolerance to extreme temperatures in the peach fruit fly, *Bactrocera zonata* (Diptera: Tephritidae) (2023) *Fly*, 17 (1), art. no. 2157161.
- Ben-Yosef M., Altman Y., Nemni-Lavi E., **Papadopoulos N.T.**, Nestel D. Effect of thermal acclimation on the tolerance of the peach fruit fly (*Bactrocera zonata*: Tephritidae) to heat and cold stress (2023) *Journal of Thermal Biology*, 117, art. no. 103677.
- Besiri K., Begou O., Deda O., Bataka E., **Nakas C.**, Gika H., Kontou A., Agakidou E., Sarafidis K. A Cohort Study of Gastric Fluid and Urine Metabolomics for the Prediction of Survival in Severe Prematurity (2023) *Metabolites*, 13 (6), art. no. 708.
- Blatter T.U., Witte H., Fasquelle-Lopez J., **Nakas C.T.**, Raisaro J.L., Leichtle A.B. Erratum: Correction: The BioRef Infrastructure, a Framework for Real-Time, Federated, Privacy-Preserving, and Personalized Reference Intervals: Design, Development, and Application (Journal of medical Internet research (2023) 25 (e47254)) (2023) *Journal of medical Internet research*, 25, pp. e54809.
- Bolan S., Padhye L.P., Kumar M., **Antoniadis V.**, Sridharan S., Tang Y., Singh N., Hewawasam C., Vithanage M., Singh L., Rinklebe J., Song H., Siddique K.H.M., Kirkham M.B., Wang H., Bolan N. Review on distribution, fate, and management of potentially toxic elements in incinerated medical wastes (2023) *Environmental Pollution*, 321, art. no. 121080.
- Bosmali I., Giannenas I., Christophoridou S., Ganos C.G., Papadopoulos A., Papathanasiou F., Kolonas A., **Gortzi O.** Microclimate and Genotype Impact on Nutritional and Antinutritional Quality of Locally Adapted Landraces of Common Bean (*Phaseolus vulgaris* L.) (2023) *Foods*, 12 (6), art. no. 1119.
- Bozinou E., Athanasiadis V., Chatzimitakos T., Ganos C., **Gortzi O.**, Diamantopoulou P., Papanikolaou S., Chinou I., Lalas S.I. Essential Oil of Greek *Citrus sinensis* cv New Hall - Citrus aurantium Pericarp: Effect upon Cellular Lipid Composition and Growth of *Saccharomyces cerevisiae* and Antimicrobial Activity against Bacteria, Fungi, and Human Pathogenic Microorganisms (2023) *Processes*, 11 (2), art. no. 394.
- Brabec D.L., Grothe S., **Athanassiou C.** Testing barley samples for potential insect infestations with a conductance mill (2023) *Applied Engineering in Agriculture*, 39 (5), pp. 535 – 541.
- Caboni P., Laus A., Elo K., **Ntalli N.G.**, Casula M., Di Giorgi S., Tocco G. Structural Elucidation of Relevant Gibberellic Acid Impurities and In Silico Investigation of Their Interaction with Soluble Gibberellin Receptor GID1 (2023) *ACS Omega*, 8 (2), pp. 1957 – 1966.

- Carrascosa A., Pascual J.A., López-García Á., Romo-Vaquero M., De Santiago A., Ros M., **Petropoulos S.A.**, Alguacil M.D.M. Effects of inorganic and compost tea fertilizers application on the taxonomic and functional microbial diversity of the purslane rhizosphere (2023) *Frontiers in Plant Science*, 14, art. no. 1159823.
- Carrascosa A., Pascual J.A., López-García A., Romo-Vaquero M., Ros M., **Petropoulos S.A.**, Alguacil M.D.M. Different Functional and Taxonomic Composition of the Microbiome in the Rhizosphere of Two Purslane Genotypes (2023) *Agronomy*, 13 (7), art. no. 1795.
- Carrascosa A., Pascual J.A., Ros M., **Petropoulos S.A.**, Alguacil M.D.M. Agronomical Practices and Management for Commercial Cultivation of *Portulaca oleracea* as a Crop: A Review (2023) *Plants*, 12 (6), art. no. 1246.
- Chaski C., **Giannoulis K.D.**, Alexopoulos A.A., **Petropoulos S.A.** Biostimulant Application Alleviates the Negative Effects of Deficit Irrigation and Improves Growth Performance, Essential Oil Yield and Water-Use Efficiency of Mint Crop (2023) *Agronomy*, 13 (8), art. no. 2182.
- Chen Z., Imran M., Jing G., Wang W., Huang B., Li Y., Zhang Y., Yang Y., Lu Q., Zhang Z., **Antoniadis V.**, Shaheen S.M., Bolan N., Rinklebe J. Toxic elements pollution risk as affected by various input sources in soils of greenhouses, kiwifruit orchards, cereal fields, and forest/grassland (2023) *Environmental Pollution*, 338, art. no. 122639.
- Christakis C., Makri M., Alivizatos H., **Sfougaris A.** Lesser Kestrel *Falco naumanni* diet during different phases of breeding and post breeding periods in central Greece (2023) *Avocetta*, 47, art. no. 2023F002.
- Chrysargyris A., Louka S., **Petropoulos S.A.**, Tzortzakis N. Soilless Cultivation of *Portulaca oleracea* Using Medicinal and Aromatic Plant Residues for Partial Peat Replacement (2023) *Horticulturae*, 9 (4), art. no. 474.
- de Oliveira I., Chrysargyris A., Heleno S.A., Carrocho M., Calhelha R.C., Dias M.I., Petrović J., Soković M., **Petropoulos S.A.**, Santos-Buelga C., Tzortzakis N., Barros L. Effects of the extraction techniques on the chemical composition and bioactive properties of lemon balm (*Melissa officinalis* L.) plants grown under different cropping and irrigation regimes (2023) *Food Research International*, 170, art. no. 113044.
- Di Gioia F., Hong J.C., Pisani C., **Petropoulos S.A.**, Bai J., Roskopf E.N. Yield performance, mineral profile, and nitrate content in a selection of seventeen microgreen species (2023) *Frontiers in Plant Science*, 14, art. no. 1220691.
- Di Mola I., **Petropoulos S.A.**, Ottaiano L., Cozzolino E., El-Nakhel C., Rouphael Y., Mori M. Bioactive Compounds, Antioxidant Activity, and Mineral Content of Wild Rocket (*Diplotaxis tenuifolia* L.) Leaves as Affected by Saline Stress and Biostimulant Application (2023) *Applied Sciences (Switzerland)*, 13 (3), art. no. 1569.
- Diller Y., Shamsian A., Shaked B., Altman Y., Danziger B.-C., Manrakhan A., Serfontein L., Bali E., Wernicke M., Egartner A., Colacci M., Sciarretta A., Chechik G., Alchanatis V., **Papadopoulos N.T.**, Nestel D. A real-time remote surveillance system for fruit flies of economic importance: sensitivity and image analysis (2023) *Journal of Pest Science*, 96 (2), pp. 611 – 622.

- Dimopoulou M., Antoniadou M., Amargianitakis M., **Gortzi O.**, Androutsos O., Varzakas T. Nutritional Factors Associated with Dental Caries across the Lifespan: A Review (2023) Applied Sciences (Switzerland), 13 (24), art. no. 13254.
- Dimopoulou M., Vareltzis P., Floros S., Androutsos O., Bargiota A., **Gortzi O.** Development of a Functional Acceptable Diabetic and Plant-Based Snack Bar Using Mushroom (*Coprinus comatus*) Powder (2023) Foods, 12 (14), art. no. 2702.
- Domingue M.J., Wu Y., Vieira K.A., McGraw A.R., Furtado M., **Athanassiou C.G.**, Morrison W.R., Myers S.W. Direct competition and potential displacement involving managed *Trogoderma* stored product pests (2023) Scientific Reports, 13 (1), art. no. 3656
- Drogoudi P., Pantelidis G., Karapetsi L., Ziakou K., Kazantzis K., **Madesis P.**, Thomidis T. Exploring the Genetic and Morphological Variation and Disease Resistance in Local and Foreign *Prunus persica* (L.) Batsch Cultivars (2023) Agriculture (Switzerland), 13 (4), art. no. 800.
- El-Nakhel C., **Petropoulos S.A.**, Di Mola I., Ottaiano L., Cozzolino E., Roupheal Y., Mori M. Biostimulants of Different Origins Increase Mineral Content and Yield of Wild Rocket While Reducing Nitrate Content through Successive Harvests (2023) Horticulturae, 9 (5), art. no. 580.
- Elvanidi A., **Katsoulas N.** Artificial neural network based on multilayer perceptron algorithm as a tool for tomato stress identification in soilless cultivation (2023) Acta Horticulturae, 1377, pp. 447 – 453.
- Elvanidi A., **Katsoulas N.** Machine Learning-Based Crop Stress Detection in Greenhouses (2023) Plants, 12 (1), art. no. 52.
- Fernandes Â., Polyzos N., Mandim F., Pereira C., Petrović J., Soković M., **Petropoulos S.A.** Combined Effect of Biostimulants and Mineral Fertilizers on Crop Performance and Fruit Quality of Watermelon Plants (2023) Horticulturae, 9 (7), art. no. 838.
- Ferreira A., Schönenberger K.A., Potoczna N., Vogt A., Gerber P.A., Zehetner J., Giachino D., Nett P., Gawinecka J., Cossu L., Fuster D.G., Dalla Man C., Facchinetti A., Melmer A., **Nakas C.T.**, Hepprich M., Donath M.Y., Herzig D., Bally L. Randomized, Double-Blind, Placebo-Controlled Crossover Trial of Once Daily Empagliflozin 25 mg for the Treatment of Postprandial Hypoglycemia After Roux-en-Y Gastric Bypass (2023) Diabetes Technology and Therapeutics, 25 (7), pp. 467 – 475.
- Fotia K., **Nanos G.**, Malamos N., Giannelos M., Mpeza P., Tsirogiannis I. Water footprint and performance assessment of a table olive cultivar (*Olea europaea* L. 'Konservolea') under various irrigation strategies (2023) Acta Horticulturae, (1373), pp. 57 – 64.
- Franco-Pereira A.M., Pardo M.C., **Nakas C.T.**, Reiser B. Inference on the symmetry point-based optimal cut-off point and associated sensitivity and specificity with application to SARS-CoV-2 antibody data (2023) SORT, 47 (1), pp. 187 – 203.
- Galitsopoulou A., Pechlivani E.-M., Tsachouridis S., Faliagka S., Giakoumoglou N., Elvanidi A., **Katsoulas N.** In-Depth Study Across Various Disciplines of the Agri-Food Retail Chain on Sufficient, Safe and Healthy Food (2023) 7th International Symposium on Multidisciplinary Studies and Innovative Technologies, ISMSIT 2023 – Proceedings.

- Georgakis N.D., Ioannou E., Chatzikonstantinou M., Merino M., Chronopoulou E.G., Mullor J.L., **Madesis P.**, Labrou N.E. The Cosmeceutical Potential of the Yellow-Green Alga *Trachydiscus minutus* Aqueous Extract: Preparation of a Natural-Based Dermal Formula as a Proof of Concept (2023) *Cosmetics*, 10 (3), art. no. 75.
- Giannoulis K., Petropoulos S.A.**, Alexopoulos A. Trends in Sustainable Use and Management of Medicinal and Aromatic Plants: Utilization and Development (2023) *Ethnobotany and Ethnopharmacology of Medicinal and Aromatic Plants: Steps Towards Drug Discovery*, pp. 41 – 58.
- Giovanoudis I., Athanasiadis V., Chatzimitakos T., Kalompatsios D., Bozinou E., **Gortzi O., Nanos G.D.**, Lalas S.I. Isolation of Polyphenols from Two Waste Streams of Clingstone Peach Canneries Utilizing the Cloud Point Extraction Method (2023) *Biomass (Switzerland)*, 3 (3), pp. 291 – 305.
- Giovanoudis I., Athanasiadis V., Chatzimitakos T., Kalompatsios D., Mantiniotou M., Bozinou E., **Gortzi O., Nanos G.D.**, Lalas S.I. Antioxidant Capacity in Two Different Cultivars of Ripe and Unripe Peaches Utilizing the Cloud-Point Extraction Method (2023) *AgriEngineering*, 5 (4), pp. 2139 – 2154.
- Giovanoudis I., Athanasiadis V., Chatzimitakos T., Kalompatsios D., Bozinou E., **Gortzi O., Nanos G.D.**, Lalas S.I. Implementation of Cloud Point Extraction Using Surfactants in the Recovery of Polyphenols from Apricot Cannery Waste (2023) *Eng*, 4 (2), pp. 1225 – 1235.
- Giunti G., Benelli G., Campolo O., Canale A., Kapranas A., Liedo P., De Meyer M., Nestel D., Ruii L., Scolari F., Wang X., **Papadopoulos N.T.** Biology, ecology and invasiveness of the Mediterranean fruit fly, *Ceratitis capitata*: a review (2023) *Entomologia Generalis*, 43 (6), pp. 1221 – 1239.
- Giunti G., Benelli G., Campolo O., Canale A., Kapranas A., Liedo P., De Meyer M., Nestel D., Ruii L., Scolari F., Wang X., **Papadopoulos N.T.** Management of the Mediterranean fruit fly, *Ceratitis capitata*: past, present, and future (2023) *Entomologia Generalis*, 43 (6), pp. 1241 – 1263.
- Golia E.E., Chartodiplomenou M.-A., Papadimou S.G., Kantzou O.-D., **Tsiropoulos N.G.** Influence of soil inorganic amendments on heavy metal accumulation by leafy vegetables (2023) *Environmental Science and Pollution Research*, 30 (4), pp. 8617 – 8632.
- Golia E.E., Kantzou O.-D., Chartodiplomenou M.-A., Papadimou S.G., **Tsiropoulos N.G.** Study of Potentially Toxic Metal Adsorption in a Polluted Acid and Alkaline Soil: Influence of Soil Properties and Levels of Metal Concentration (2023) *Soil Systems*, 7 (1), art. no. 16.
- Gourgouta M., **Athanassiou C.G.** Efficacy of Phosphine on Different Life Stages of *Alphitobius diaperinus* and *Tenebrio molitor* (Coleoptera: Tenebrionidae) (2023) *Sustainability (Switzerland)*, 15 (3), art. no. 2131.
- Gourgouta M., Morrison W.R., III, Hagstrum D.W., **Athanassiou C.G.** Saw-toothed grain beetle, *Oryzaephilus surinamensis*, an internationally important stored product pest (2023) *Journal of Stored Products Research*, 104, art. no. 102165.
- Grammenou A., **Petropoulos S.A.**, Thalassinou G., Rinklebe J., Shaheen S.M., **Antoniadis V.** Biostimulants in the Soil–Plant Interface: Agro-environmental Implications—A Review (2023) *Earth Systems and Environment*, 7 (3), pp. 583 – 600.

- Han M., Ullah H., Yang H., Yu G., You S., Liu J., Chen B., Shahab A., **Antoniadis V.**, Shaheen S.M., Rinklebe J. Cadmium uptake and membrane transport in roots of hyperaccumulator *Amaranthus hypochondriacus* L. (2023) *Environmental Pollution*, 331, art. no. 121846.
- Hasan M.M., Hossain M.A., **Athanassiou C.G.** Improved Quality Management of the Indian Meal Moth, *Plodia interpunctella* (Hübner) (Lepidoptera: Pyralidae) for Enhanced Efficacy of the Sterile Insect Technique (2023) *Insects*, 14 (4), art. no. 344.
- Hasan M.M., Mahroof R.M., Aikins M.J., **Athanassiou C.G.**, Phillips T.W. Pheromone-based auto-confusion for mating disruption of *Plodia interpunctella* (Lepidoptera: Pyralidae) in structures with raw and processed grain products (2023) *Journal of Stored Products Research*, 104, art. no. 102201.
- Hatzilazarou S., Pipinis E., Kostas S., Stagiopoulou R., Gitsa K., Dariotis E., Avramakis M., Samartza I., Plastiras I., Kriemadi E., Bareka P., **Lykas C.**, Tsoktouridis G., Krigas N. Influence of Temperature on Seed Germination of Five Wild-Growing *Tulipa* Species of Greece Associated with Their Ecological Profiles: Implications for Conservation and Cultivation (2023) *Plants*, 12 (7), art. no. 1574.
- Herzig D., Groessl M., Álvarez-Martínez M., Reverter-Branchat G., **Nakas C.T.**, Kosinski C., Stettler C., Bally L. Effects of Aerobic Exercise on Systemic Insulin Degludec Concentrations in People with Type 1 Diabetes (2023) *Journal of Diabetes Science and Technology*, 17 (1), pp. 172 – 175.
- Jalali M., Jalali M., **Antoniadis V.** The release of Cd, Cu, Fe, Mn, Ni, Pb, and Zn from clay loam and sandy loam soils under the influence of various organic amendments and low-molecular-weight organic acids (2023) *Journal of Hazardous Materials*, 459, art. no. 132111.
- Jalali M., Jalali M., Beygi M., Salehi Z., **Antoniadis V.** Available and total phosphorus background levels in soils: a calcareous and semi-arid region (2023) *Environmental Monitoring and Assessment*, 195 (5), art. no. 600.
- Kakavas K., **Vagelas I.**, Papachatzis A., Tsiountsioura V., Flora A. Identification of microbial infections in Greek geothermal greenhouses tomato cultivation (2023) *E3S Web of Conferences*, 436, art. no. 03001.
- Kaloudis E., Agraftioti P., **Athanassiou C.** Prediction of Oxygen Distribution in Silos and Chambers Filled with Various Agricultural Commodities (2023) *Agronomy*, 13 (12), art. no. 3027.
- Kalpoutzakis E., Chatzimitakos T., Athanasiadis V., Mitakou S., Aligiannis N., Bozinou E., **Gortzi O.**, Skaltsounis L.A., Lalas S.I. Determination of the Total Phenolics Content and Antioxidant Activity of Extracts from Parts of Plants from the Greek Island of Crete (2023) *Plants*, 12 (5), art. no. 1092.
- Karakantza E., Rumbos C.I., Cavalaris C., **Athanassiou C.G.** Different Trap Types Depict Dissimilar Spatio-Temporal Distribution of *Helicoverpa armigera* (Hübner) (Lepidoptera: Noctuidae) in Cotton Fields (2023) *Agronomy*, 13 (5), art. no. 1256.
- Karapanagiotidis I.T., Neofytou M.C., Asimaki A., Daskalopoulou E., Psafakis P., Mente E., Rumbos C.I., **Athanassiou C.G.** Fishmeal Replacement by Full-Fat and Defatted *Hermetia*

- illucens* Prepupae Meal in the Diet of Gilthead Seabream (*Sparus aurata*) (2023) Sustainability (Switzerland), 15 (1), art. no. 786.
- Karapetsi L., Pratsinakis E., Xirakias F., Osathanunkul M., **Vagelas I.**, **Madesis P.** ITS Metabarcoding Reveals the Effects of Oregano Essential Oil on *Fusarium oxysporum* and Other Fungal Species in Soil Samples (2023) Plants, 12 (1), art. no. 62.
- Karatsivou E., Elvanidi A., Faliagka S., Naounoulis I., **Katsoulas N.** Performance Evaluation of a Cascade Cropping System (2023) Horticulturae, 9 (7), art. no. 802.
- Katsoulas N.**, Aslanidou M., Papanastasiou D.K., Anestis V. Environmental impact assessment of aquaponic vegetable production: initial results (2023) Acta Horticulturae, 1377, pp. 911 – 915.
- Katsoulas N.**, Elvanidi A., Karatsivou E., Vassiliadis V. Development of a water flow and nutrients concentration simulation model for cascade hydroponic systems (2023) Acta Horticulturae, 1377, pp. 655 – 662.
- Kleisiari C., Kleftodimos G., **Vlontzos G.** Be(e)ha(i)viour(e): assessment of honey consumption in Europe (2023) British Food Journal, 125 (4), pp. 1374 – 1389.
- Kolonas A., Vareltsis P., Kiroglou S., Goutzourelas N., Stagos D., Trachana V., Tsadila C., Mossialos D., Mourtakos S., **Gortzi O.** Antioxidant and Antibacterial Properties of a Functional Sports Beverage Formulation (2023) International Journal of Molecular Sciences, 24 (4), art. no. 3558.
- Kotsou K., Chatzimitakos T., Athanasiadis V., Bozinou E., Adamaki-Sotiraki C., Rumbos C.I., **Athanassiou C.G.**, Lalas S.I. Waste Orange Peels as a Feed Additive for the Enhancement of the Nutritional Value of *Tenebrio molitor* (2023) Foods, 12 (4), art. no. 783.
- Kotsou K., Chatzimitakos T., Athanasiadis V., Bozinou E., **Athanassiou C.G.**, Lalas S.I. Innovative Applications of *Tenebrio molitor* Larvae in Food Product Development: A Comprehensive Review (2023) Foods, 12 (23), art. no. 4223.
- Kotsou K., Chatzimitakos T., Athanasiadis V., Bozinou E., **Athanassiou C.G.**, Lalas S.I. Utilization of Spent Coffee Grounds as a Feed Additive for Enhancing the Nutritional Value of *Tenebrio molitor* Larvae (2023) Sustainability (Switzerland), 15 (23), art. no. 16224.
- Kotsou K., Chatzimitakos T., Athanasiadis V., Bozinou E., Rumbos C.I., **Athanassiou C.G.**, Lalas S.I. Enhancing the Nutritional Profile of *Tenebrio molitor* Using the Leaves of *Moringa oleifera* (2023) Foods, 12 (13), art. no. 2612.
- Kotsou K., Stoikou M., Athanasiadis V., Chatzimitakos T., Mantiniotou M., **Sfougaris A.I.**, Lalas S.I. Enhancing Antioxidant Properties of *Prunus spinosa* Fruit Extracts via Extraction Optimization (2023) Horticulturae, 9 (8), art. no. 942.
- Koutroubas S.D., **Antoniadis V.**, Damalas C.A., Fotiadis S. Municipal Sewage Sludge Effects on Maize Yield, Nitrogen Use Efficiency, and Soil Properties (2023) Journal of Soil Science and Plant Nutrition, 23 (1), pp. 1209 – 1221.
- Kyrgiakos L.S., Kleftodimos G., Kremantzis M.D., **Vlontzos G.**, Pardalos P.M. Assessing efficiency differences in a common Agriculture Decision Support System - A comparative analysis between Greek and Italian durum wheat farms (2023) International Journal on Food System Dynamics, 14 (1), pp. 22 – 45.

- Kyrgiakos L.S., Kleftodimos G., **Vlontzos G.**, Pardalos P.M. A systematic literature review of data envelopment analysis implementation in agriculture under the prism of sustainability (2023) *Operational Research*, 23 (1), art. no. 7.
- Lagiotis G., **Madesis P.**, Stavridou E. Echoes of a Stressful Past: Abiotic Stress Memory in Crop Plants towards Enhanced Adaptation (2023) *Agriculture (Switzerland)*, 13 (11), art. no. 2090.
- Lampiri E., Agrafioti P., **Athanassiou C.G.** Insecticidal effect of three insecticides applied on different surfaces for the control of three stored-product beetle species (2023) *Journal of Stored Products Research*, 101, art. no. 102087.
- Lampiri E., Agrafioti P., Rumbos C.I., **Athanassiou C.G.** Preference of Major Stored Product Insects in Fortified Rice with Basil (2023) *Sustainability (Switzerland)*, 15 (14), art. no. 11379
- Lampiri E., Scully E.D., Arthur F.H., **Athanassiou C.G.** Development and Immature Mortality of the Sawtoothed Grain Beetle (Coleoptera: Silvanidae), on Different Sorghum Fractions and Different Temperatures (2023) *Journal of Economic Entomology*, 116 (2), pp. 615 – 620.
- Leichtweis M.G., Molina A.K., Dias M.I., Calhelha R.C., Pires T.C.S.P., **Pavli O.**, Oliveira M.B.P.P., **Petropoulos S.A.**, Barros L., Pereira C. Variability in Chemical Profile and Bioactivities of the Flesh of Greek Pumpkin Landraces (2023) *Horticulturae*, 9 (11), art. no. 1232.
- Leichtweis M.G., Molina A.K., **Petropoulos S.A.**, Carochio M., Pires T.C.S.P., Dias M.I., Calhelha R., Oliveira M.B.P.P., Pereira C., Barros L. Valorization of Pumpkin Peel as a Source of Bioactive Compounds: Optimization of Heat- and Ultrasound-Assisted Extraction (2023) *Molecules*, 28 (7), art. no. 3168.
- Liava V., Chaski C., Añibarro-Ortega M., Pereira A., Pinela J., Barros L., **Petropoulos S.A.** The Effect of Biostimulants on Fruit Quality of Processing Tomato Grown under Deficit Irrigation (2023) *Horticulturae*, 9 (11), art. no. 1184.
- Liava V., Ntatsi G., **Karkanis A.** Seed Germination of Three Milk Thistle (*Silybum marianum* (L.) Gaertn.) Populations of Greek Origin: Temperature, Duration, and Storage Conditions Effects (2023) *Plants*, 12 (5), art. no. 1025.
- Lu X., Wang Z., Chen Y., Yang Y., Fan X., Wang L., Yu B., Lei K., Zuo L., Fan P., Liang T., Cho J.W., **Antoniadis V.**, Rinklebe J. Source-specific probabilistic risk evaluation of potentially toxic metal(loid)s in fine dust of college campuses based on positive matrix factorization and Monte Carlo simulation (2023) *Journal of Environmental Management*, 347, art. no. 119056.
- Lykas C.**, **Vagelas I.** Innovations in Agriculture for Sustainable Agro-Systems (2023) *Agronomy*, 13 (9), art. no. 2309.
- Maletsika P.**, Liava V., Sarrou E., Titeli V.S., Nasiopoulou E., Martens S., Karagiannis E., Grigoriadou K., Molassiotis A., **Nanos G.D.** Foliar Calcium Effects on Quality and Primary and Secondary Metabolites of White-Fleshed ‘Lemonato’ Peaches (2023) *Horticulturae*, 9 (3), art. no. 299.

- Malod K., Bali E.-M.D., Gledel C., Moquet L., Bierman A., Bataka E., Weldon C.W., Karsten M., Delatte H., **Papadopoulos N.T.**, Terblanche J.S. Tethered-flight performance of thermally-acclimated pest fruit flies (Diptera: Tephritidae) suggests that heat waves may promote the spread of *Bactrocera* species (2023) *Pest Management Science*, 79 (11), pp. 4153 – 4161.
- Mandim F., Santos-Buelga C., C.F.R. Ferreira I., **Petropoulos S.A.**, Barros L. The wide spectrum of industrial applications for cultivated cardoon (*Cynara cardunculus* L. var. *Altilis* DC.): A review (2023) *Food Chemistry*, 423, art. no. 136275.
- Mansour R.B., Falleh H., Hammami M., Barros L., **Petropoulos S.A.**, Tarchoun N., Ksouri R. The Use of Response Surface Methodology to Optimize Assisted Extraction of Bioactive Compounds from *Cucurbita maxima* Fruit By-Products (2023) *Processes*, 11 (6), art. no. 1726.
- Mansour R.B., Falleh H., Nefzi N., Dakhlaoui S., Selmi S., Hammami M., Barros L., **Petropoulos S.A.**, Tarchoun N., Ksouri R. Improved Recovery of Antioxidant Compounds from Refined Pumpkin Peel Extract: A Mixture Design Method Approach (2023) *Horticulturae*, 9 (10), art. no. 1111.
- Manthos I., Sotiropoulos T., Karapetsi L., Ganopoulos I., Pratsinakis E.D., Maloupa E., **Madesis P.** Molecular Characterization of Local Walnut (*Juglans regia*) Genotypes in the North-East Parnon Mountain Region of Greece (2023) *International Journal of Molecular Sciences*, 24 (24), art. no. 17230.
- Manuelian C.L., Valleix S., Bugaut H., Fuerst-Waltl B., da Costa L., Burbi S., Schmutz U., Evans A., **Katsoulas N.**, Faliagka S., Aksoy U., Çiçekli Ö., Drózd D., Malińska K., Whistance L., Johnson M., Knebl L., Righi F., De Marchi M. Farmers concerns in relation to organic livestock production (2023) *Italian Journal of Animal Science*, 22 (1), pp. 1268 – 1282.
- Marín-Guirao J.I., Páez-Cano F.C., García-García M.D.C., **Katsoulas N.**, de Cara-García M. Evaluation of Copper-Free Alternatives to Control Grey Mould in Organic Mediterranean Greenhouse Tomato Production (2023) *Agronomy*, 13 (1), art. no. 137.
- Mavrommatis A., Tsiplakou E., Zerva A., Pantiora P.D., Georgakis N.D., Tsintzou G.P., **Madesis P.**, Labrou N.E. Microalgae as a Sustainable Source of Antioxidants in Animal Nutrition, Health and Livestock Development (2023) *Antioxidants*, 12 (10), art. no. 1882.
- Moraiti C.A., Verykouki E., **Papadopoulos N.T.** Fitness cost of *Rhagoletis cerasi* (Diptera: Tephritidae) adults emerged from pupae with different dormancy regimes: The case of prolonged chilling (2023) *Bulletin of Entomological Research*, 113 (1), pp. 11 – 20.
- Morrison W.R., Agrafioti P., Domingue M.J., Scheff D.S., Lampiri E., Gourgouta M., Baliota G.V., Sakka M., Myers S.W., **Athanassiou C.G.** Comparison of different traps and attractants in 3 food processing facilities in Greece on the capture of stored product insects (2023) *Journal of Economic Entomology*, 116 (4), pp. 1432 – 1446.
- Morrison W.R., III, Brabec D., Bruce A., Arthur F.H., **Athanassiou C.G.** Immediate and delayed movement of resistant and susceptible adults of *Tribolium castaneum* (Herbst) (Coleoptera: Tenebrionidae) after short exposures to phosphine (2023) *Pest Management Science*, 79 (6), pp. 2066 – 2074.

- Mougiou N., **Maletsika P.**, Konstantinidis A., Grigoriadou K., **Nanos G.**, Argiriou A. Morphological and Molecular Characterization of a New Self-Compatible Almond Variety (2023) Agriculture (Switzerland), 13 (7), art. no. 1362.
- Mourantian A., Aslanidou M., Mente E., Katsoulas N., **Levizou E.** Basil functional and growth responses when cultivated via different aquaponic and hydroponics systems (2023) PeerJ, 11, art. no. e15664.
- Mukhtar T., **Vagelas I.**, Javaid A. Editorial: New trends in integrated plant disease management (2023) Frontiers in Agronomy, 4, art. no. 1104122.
- Nadeem F., Rehman A., **Petropoulos S.A.** Editorial: Increasing production of crops with bioavailable micronutrients: a solution to reduce global malnutrition (2023) Frontiers in Plant Science, 14, art. no. 1348246.
- Nagabhushana P., Rüttsche C., **Nakas C.**, Leichtle A.B. Deployment of an Automated Method Verification-Graphical User Interface (MV-GUI) Software (2023) BioMedInformatics, 3 (3), pp. 632 – 648.
- Neyer P.J., Kaboré B., **Nakas C.T.**, Hartmann B., Post A., Diallo S., Tinto H., Hammerer-Lercher A., Largiadèr C.R., van der Ven A.J., Huber A.R. Exploring the host factors affecting asymptomatic Plasmodium falciparum infection: insights from a rural Burkina Faso study (2023) Malaria Journal, 22 (1), art. no. 252.
- Nikolaou G., Neocleous D., Kitta E., **Katsoulas N.** Assessment of the Priestley-Taylor coefficient and a modified potential evapotranspiration model (2023) Smart Agricultural Technology, 3, art. no. 100075.
- Nikolaou G., Neocleous D., Kitta E., **Katsoulas N.** Estimating cucumber crop coefficients under different greenhouse microclimatic conditions (2023) International Journal of Biometeorology, 67 (11), pp. 1745 – 1756.
- Nilius H., Cuker A., Haug S., **Nakas C.**, Studt J.-D., Tsakiris D.A., Greinacher A., Mendez A., Schmidt A., Wuillemin W.A., Gerber B., Kremer Hovinga J.A., Vishnu P., Graf L., Kashev A., Sznitman R., Bakchoul T., Nagler M. A machine-learning model for reducing misdiagnosis in heparin-induced thrombocytopenia: A prospective, multicenter, observational study (2023) eClinicalMedicine, 55, art. no. 101745.
- Ntalli N.**, Zochios G., Nikolaou P., Winkiel M., Petrelli R., Bonacucina G., Perinelli D.R., Spinozzi E., Maggi F., Benelli G. *Carlina acaulis* essential oil nanoemulsion for managing Meloidogyne incognita (2023) Industrial Crops and Products, 193, art. no. 116180.
- Ntinopoulos N., Sakellariou S., Christopoulou O., **Sfougaris A.** Fusion of Remotely-Sensed Fire-Related Indices for Wildfire Prediction through the Contribution of Artificial Intelligence (2023) Sustainability (Switzerland), 15 (15), art. no. 11527.
- Ormanoğlu N., Baliota G.V., Rumbos C.I., **Athanassiou C.G.** Effect of temperature on the oviposition and egg hatching performance of *Alphitobius diaperinus* (Panzer) (Coleoptera: Tenebrionidae) (2023) Journal of Insects as Food and Feed, 10 (4), pp. 627 – 636.
- Ormanoğlu N., Baliota G.V., Rumbos C.I., **Athanassiou C.G.** The effect of adult density on the reproductive output and hatching performance of the lesser mealworm, *Alphitobius*

- diaperinus* (Panzer) (Coleoptera: Tenebrionidae) (2023) Journal of Insects as Food and Feed, 10 (3), pp. 505 – 516.
- Panagiotakis A., Baliota G.V., Rumbos C.I., **Athanassiou C.G.** Efficacy of Contact Insecticides for the Control of the Larger Grain Borer, *Prostephanus truncatus* (Horn), on Stored Maize (2023) Agriculture (Switzerland), 13 (8), art. no. 150.2
- Papadogiorgou G.D., Moraiti C.A., Nestel D., Terblanche J.S., Verykouki E., **Papadopoulos N.T.** Acute cold stress and supercooling capacity of Mediterranean fruit fly populations across the Northern Hemisphere (Middle East and Europe) (2023) Journal of Insect Physiology, 147, art. no. 104519.
- Papadopoulos A.G., Koskinioti P., Zarpas K.D., **Papadopoulos N.T.** Differential Cold Tolerance on Immature Stages of Geographically Divergent *Ceratitis capitata* Populations (2023) Biology, 12 (11), art. no. 1379.
- Papadopoulos N.T.**, Blaauw B.R., Milonas P., Nielsen A.L. Biology and management of insect pests (2023) Peach, pp. 366 – 420.
- Papaioannou C., Fassou G., **Petropoulos S.A.**, Lamari F.N., Bebeli P.J., Papasotiropoulos V. Evaluation of the Genetic Diversity of Greek Garlic (*Allium sativum* L.) Accessions Using DNA Markers and Association with Phenotypic and Chemical Variation (2023) Agriculture (Switzerland), 13 (7), art. no. 1408.
- Papanastasiou D.K., Keppas S., Melas D., **Katsoulas N.** Estimation of Crops Future Irrigation Water Needs in a Mediterranean Plain (2023) Sustainability (Switzerland), 15 (21), art. no. 15548.
- Papapolymerou G., Gougoulas N., Metsoviti M.N., **Katsoulas N.**, Karapanagiotidis I.T., Kasiteropoulou D., Mpesios A., Papadopolou A. FAME properties, bio-oil productivity and carbon yield coefficient of *Chlorella sorokiniana* grown with low and high initial nitrogen concentrations (2023) Sustainable Chemistry and Pharmacy, 35, art. no. 101179.
- Paschoalinotto B.H., Polyzos N., Compocholi M., Roupheal Y., Alexopoulos A., Dias M.I., Barros L., **Petropoulos S.A.** Domestication of Wild Edible Species: The Response of *Scolymus hispanicus* Plants to Different Fertigation Regimes (2023) Horticulturae, 9 (1), art. no. 103.
- Pechlivani E.-M., Kapetanakou A., Faliagka S., Giakoumoglou N., Salta F., **Katsoulas N.** A Multidisciplinary In-Depth Systemic Analysis to Support European Green Deal Halving Pesticides Use and Loss of Nutrients: A Greek Case Study (2023) 7th International Symposium on Multidisciplinary Studies and Innovative Technologies, ISMSIT 2023 – Proceedings.
- Petoumenou D.G.** Enhancing Yield and Physiological Performance by Foliar Applications of Chemically Inert Mineral Particles in a Rainfed Vineyard under Mediterranean Conditions (2023) Plants, 12 (7), art. no. 1444.
- Petropoulos S.A.** Applications of plant secondary metabolites in the food industry (2023) Natural Secondary Metabolites: From Nature, Through Science, to Industry, pp. 707 – 738.

- Petropoulos S.A.**, Barros L., Ferreira I.C.F.R. Editorial: Rediscovering local landraces: shaping horticulture for the future, volume II (2023) *Frontiers in Plant Science*, 14, art. no. 1329995.
- Pipinis E., Hatzilazarou S., Kostas S., Stagiopoulou R., Gitsa K., Dariotis E., Samartza I., Plastiras I., Kriemadi E., Bareka P., **Lykas C.**, Tsoktouridis G., Krigas N. Effect of Temperature on Breaking of Morphophysiological Dormancy and Seed Germination Leading to Bulblet Production in Two Endemic Tulip Species from Greece (2023) *Plants*, 12 (9), art. no. 1859.
- Pires E.D.O., Jr., Di Gioia F., Roupheal Y., García-Caparrós P., Tzortzakis N., Ferreira I.C.F.R., Barros L., **Petropoulos S.A.**, Caleja C. Edible flowers as an emerging horticultural product: A review on sensorial properties, mineral and aroma profile (2023) *Trends in Food Science and Technology*, 137, pp. 31 – 54.
- Polumackanycz M., **Petropoulos S.A.**, Śledziński T., Goyke E., Konopacka A., Plenis A., Viapiana A. *Withania somnifera* L.: Phenolic Compounds Composition and Biological Activity of Commercial Samples and Its Aqueous and Hydromethanolic Extracts (2023) *Antioxidants*, 12 (3), art. no. 550.
- Poudel P., **Petropoulos S.A.**, Di Gioia F. Plant tocopherols and phytosterols and their bioactive properties (2023) *Natural Secondary Metabolites: From Nature, Through Science, to Industry*, pp. 285 – 319.
- Prekas P.N., Rodovitis V.G., Bataka E.P., Nestel D., **Nakas C.T.**, **Papadopoulos N.T.** Optimization of Brewer's Yeast Quantity in Liquid and Gel Larval Diets for the Mediterranean Fruit Fly (2023) *Insects*, 14 (10), art. no. 828.
- Psarianos M., Baliota G., Rumbos C.I., **Athanassiou C.G.**, Ojha S., Schlüter O.K. Insect processing for chitin production (2023) *Insects as Food and Food Ingredients: Technological Improvements, Sustainability, and Safety Aspects*, pp. 129 – 143.
- Quellhorst H., Sakka M., Gourgouta M., Morrison W.R., Zhu K.Y., **Athanassiou C.G.** Efficacy of deltamethrin and pirimiphos-methyl in proportionally layer-treated maize against the larger grain borer and the maize weevil (2023) *Journal of Economic Entomology*, 116 (3), pp. 1017 – 1024.
- Rehman K.U., Hollah C., Wiesotzki K., Heinz V., Aganovic K., Rehman R.U., Petrusan J.-I., Zheng L., Zhang J., Sohail S., Mansoor M.K., Rumbos C.I., **Athanassiou C.**, Cai M. Insect-Derived Chitin and Chitosan: A Still Unexploited Resource for the Edible Insect Sector (2023) *Sustainability (Switzerland)*, 15 (6), art. no. 4864.
- Rigopoulou M., Baliota G.V., **Athanassiou C.G.** Persistence and efficacy of diatomaceous earth against stored product insects in semi-field trials (2023) *Crop Protection*, 174, art. no. 106416.
- Rigopoulou M., Rumbos C., **Athanassiou C.** Evaluation of the susceptibility of *Alphitobius diaperinus* meal to infestations by major stored-product beetle species (2023) *Environmental Science and Pollution Research*, 30 (29), pp. 73628 – 73635.
- Rigopoulou M., Rumbos C.I., **Athanassiou C.G.** Population Growth of Three Stored Product Beetle Species on *Alphitobius diaperinus* (Coleoptera: Tenebrionidae) Meals (2023) *Journal of Economic Entomology*, 116 (2), pp. 621 – 626.

- Rumbos C.I., **Athanassiou C.G.** Feed Additives for Insect Production (2023) Sustainable Use of Feed Additives in Livestock Novel Ways for Animal Production, pp. 799 – 810.
- Rumbos C.I., Sakka M.K., Vassilakos T.N., **Athanassiou C.G.** Effect of Nitrogen on Stored-Product Insect Control at Industrial Scale (2023) *Insects*, 14 (6), art. no. 518.
- Saadaoui W., Tarchoun N., Msetra I., **Pavli O.**, Falleh H., Ayed C., Amami R., Ksouri R., **Petropoulos S.A.** Effects of drought stress induced by D-Mannitol on the germination and early seedling growth traits, physiological parameters and phytochemicals content of Tunisian squash (*Cucurbita maxima* Duch.) landraces (2023) *Frontiers in Plant Science*, 14, art. no. 1215394.
- Sakellariou S., **Sfougaris A.**, Christopoulou O., Tampekis S. Spatial Resilience to Wildfires through the Optimal Deployment of Firefighting Resources: Impact of Topography on Initial Attack Effectiveness (2023) *International Journal of Disaster Risk Science*, 14 (1), pp. 98 – 112.
- Sakka M.K., **Athanassiou C.G.** Efficacy of Nitrogen against Stored Product Insects with Different Susceptibility Levels to Phosphine in Industrial Applications (2023) *Agriculture (Switzerland)*, 13 (3), art. no. 607.
- Sakka M.K., **Athanassiou C.G.** Evaluation of Phosphine Resistance in Three Sitophilus Species of Different Geographical Origins Using Two Diagnostic Protocols (2023) *Agriculture (Switzerland)*, 13 (5), art. no. 1068.
- Sakka M.K., **Athanassiou C.G.** Population growth of phosphine resistant and susceptible populations of *Lasioderma serricorne* (F.) (Coleoptera: Anobiidae) exposed to different temperatures and commodities (2023) *Environmental Science and Pollution Research*, 30 (18), pp. 53221 – 53228.
- Sakka M.K., Gourgouta M., Morrison W.R., III, Domingue M.J., Grosdidier R.F., Wilkins R.V., **Athanassiou C.G.** Different trap designs and attractants affect the capture of multiple life stages of *Trogoderma granarium* Everts and *Trogoderma variabile* Ballion in the laboratory (2023) *Journal of Stored Products Research*, 102, art. no. 102108.
- Sakka M.K., Ioannou C.S., **Papadopoulos N.T.**, **Athanassiou C.G.** Residual efficacy of selected larvicides against *Culex pipiens pipiens* (Diptera: Culicidae) under laboratory and semi-field conditions (2023) *Environmental Science and Pollution Research*, 30 (14), pp. 40931 – 40941.
- Sakka M.K., **Nakas C.T.**, Bochtis D., **Athanassiou C.G.** Quick knockdown results in high mortality: is this theory correct? A case study with phosphine and the red flour beetle (2023) *Pest Management Science*, 79 (10), pp. 3740 – 3748.
- Sakka M.K., Terzis G., **Athanassiou C.G.** Competition between Two Species of the Genus *Sitophilus* (Coleoptera: Curculionidae) on Wheat and Barley (2023) *Applied Sciences (Switzerland)*, 13 (21), art. no. 11872.
- Schmid J., Schorno N., Groux A., Giachino D., Zehetner J., Nett P., **Nakas C.T.**, Herzig D., Bally L. Fostering physical activity-related health competence after bariatric surgery with a multimodal exercise programme: A randomised controlled trial (2023) *Journal of Behavioral Medicine*, 46 (5), pp. 709 – 719.

- Schönenberger K.A., Ferreira A., Stebler C., Prendin F., Gawinecka J., **Nakas C.T.**, Mühlebach S., Stanga Z., Facchinetti A., Herzig D., Bally L. Nutritional strategies for correcting low glucose values in patients with postbariatric hypoglycaemia: A randomized controlled three-arm crossover trial (2023) *Diabetes, Obesity and Metabolism*, 25 (10), pp. 2853 – 2861.
- Schütz V., Dougoud S., Bracher K., Arnold M., Schweizer J., **Nakas C.**, Westphal L.P., Inauen C., Pokorny T., Duru F., Steffel J., Luft A., Spanaus K., Saguner A.M., Katan M. The Role of Electrocardiographic Markers for Predicting Atrial Fibrillation in Patients with Acute Ischemic Stroke: Data from the BIOSIGNAL Cohort Study (2023) *Journal of Clinical Medicine*, 12 (21), art. no. 6830.
- Seiler T., **Nakas C.T.**, Brill A.-K., Hefti U., Hilty M.P., Perret-Hoigné E., Sailer J., Kabitz H.-J., Merz T.M., Pichler Hefti J. Do cardiopulmonary exercise tests predict summit success and acute mountain sickness? A prospective observational field study at extreme altitude (2023) *British Journal of Sports Medicine*, 57 (14), pp. 906 – 913.
- Shaheen S.M., **Antoniadis V.**, Rinklebe J. Vanadium in soils and plants: Sources, chemistry, potential risk, and remediation approaches (2023) *Inorganic Contaminants and Radionuclides*, pp. 249 – 282.
- Shaheen S.M., Mosa A., Natasha, Arockiam Jeyasundar P.G.S., Hassan N.E.E., Yang X., **Antoniadis V.**, Li R., Wang J., Zhang T., Niazi N.K., Shahid M., Sharma G., Alessi D.S., Vithanage M., Hseu Z.-Y., Sarmah A.K., Sarkar B., Zhang Z., Hou D., Gao B., Wang H., Bolan N., Rinklebe J. Pros and Cons of Biochar to Soil Potentially Toxic Element Mobilization and Phytoavailability: Environmental Implications (2023) *Earth Systems and Environment*, 7 (1), pp. 321 – 345.
- Shahrajabian M.H., **Petropoulos S.A.**, Sun W. Survey of the Influences of Microbial Biostimulants on Horticultural Crops: Case Studies and Successful Paradigms (2023) *Horticulturae*, 9 (2), art. no. 193.
- Shetaya W.H., Bailey E.H., Young S.D., Mohamed E.F., **Antoniadis V.**, Rinklebe J., Shaheen S.M., Marzouk E.R. Soil and plant contamination by potentially toxic and emerging elements and the associated human health risk in some Egyptian environments (2023) *Environmental Geochemistry and Health*, 45 (2), pp. 359 – 379.
- Sparangis P., Efthimiadou A., Katsenios N., **Karkanis A.** Control of Resistant False Cleavers (*Galium spurium* L.) Population to ALS-Inhibiting Herbicides and Its Impact on the Growth and Yield of Durum Wheat (2023) *Agronomy*, 13 (4), art. no. 1087.
- Sparangis P., Rumbos C.I., **Tsiropoulos N.G.**, **Athanassiou C.G.** Insecticidal and residual effect of chlorfenapyr on different surfaces for the control of *Sitophilus oryzae* (2023) *Journal of Stored Products Research*, 103, art. no. 102153.
- Sun W., Shahrajabian M.H., **Petropoulos S.A.**, Shahrajabian N. Developing Sustainable Agriculture Systems in Medicinal and Aromatic Plant Production by Using Chitosan and Chitin-Based Biostimulants (2023) *Plants*, 12 (13), art. no. 2469.
- Tanveer U., Kremantzis M.D., Roussinos N., Ishaq S., Kyrgiakos L.S., **Vlontzos G.** A fuzzy TOPSIS model for selecting digital technologies in circular supply chains (2023) *Supply Chain Analytics*, 4, art. no. 100038.

- Terzidou A.M., Koveos D.S., **Papadopoulos N.T.**, Carey J.R., Kouloussis N.A. Artificial diet alters activity and rest patterns in the olive fruit fly (2023) PLoS ONE, 18 (2 February), art. no. e0274586.
- Thalassinos G., **Levizou E.**, **Antoniadis V.** Can Soil Improvers (Biochar, Compost, Insect Frass, Lime, and Zeolite) Achieve Phytostabilization of Potentially Toxic Elements in Heavily Contaminated Soil with the Use of Purslane (*Portulaca oleracea*)? (2023) Agronomy, 13 (11), art. no. 2827.
- Thalassinos G., **Petropoulos S.A.**, **Antoniadis V.** The Response of Purslane (*Portulaca oleracea*) to Soil-Added Pb: Is It Suitable as a Potential Phytoremediation Species? (2023) Toxics, 11 (2), art. no. 153.
- Thalassinos G., **Petropoulos S.A.**, Grammenou A., **Antoniadis V.** Potentially Toxic Elements: A Review on Their Soil Behavior and Plant Attenuation Mechanisms against Their Toxicity (2023) Agriculture (Switzerland), 13 (9), art. no. 1684.
- Theofilidou A., Argyropoulou M.D., **Ntalli N.**, Kekelis P., Mourouzidou S., Zafeiriou I., **Tsiropoulos N.G.**, Monokrousos N. Assessing the Role of Melia azedarach Botanical Nematicide in Enhancing the Structure of the Free-Living Nematode Community (2023) Soil Systems, 7 (4), art. no. 80.
- Tripyla A., Herzig D., Reverter-Branchat G., Pavan J., Schiavon M., Eugster P.J., Grouzmann E., **Nakas C.T.**, Sauvinet V., Meiller L., Zehetner J., Giachino D., Nett P., Gawinecka J., Del Favero S., Thomas A., Thevis M., Dalla Man C., Bally L. Counter-regulatory responses to postprandial hypoglycaemia in patients with post-bariatric hypoglycaemia vs surgical and non-surgical control individuals (2023) Diabetologia, 66 (4), pp. 741 – 753.
- Tsoumalakou E., Mente E., Vlahos N., **Levizou E.** Cultivating the Mediterranean Wild Edible Species Cichorium spinosum L. in Aquaponics: Functional and Growth Responses to Minimal Nutrient Supplementation (2023) Sustainability (Switzerland), 15 (6), art. no. 5572.
- Tsoumalakou E., Mente E., Vlahos N., **Levizou E.** Spinach Responds to Minimal Nutrient Supplementation in Aquaponics by Up-Regulating Light Use Efficiency, Photochemistry, and Carboxylation (2023) Horticulturae, 9 (3), art. no. 291.
- Vagelas I.**, Leontopoulos S. A Bibliometric Analysis and a Citation Mapping Process for the Role of Soil Recycled Organic Matter and Microbe Interaction due to Climate Change Using Scopus Database (2023) AgriEngineering, 5 (1), pp. 581 – 610.
- Vagelas I.**, Reizopoulou A., Exadactylos A., **Madesis P.**, Karapetsi L., Michail G. Stalactites Core Prospect as Environmental "microbial Ark": The Actinomycetota Diversity Paradigm, First Reported from a Greek Cave (2023) Polish Journal of Microbiology, 72 (2), pp. 155 – 168.
- Vasilopoulos S., Giannenas I., Savvidou S., Bonos E., Rumbos C.I., Papadopoulos E., Fortomaris P., **Athanassiou C.G.** Growth performance, welfare traits and meat characteristics of broilers fed diets partly replaced with whole *Tenebrio molitor* larvae (2023) Animal Nutrition, 13, pp. 90 – 1004.
- Vassilakos T.N., **Athanassiou C.G.** Spinetoram: A potential grain protectant (2023) Crop Protection, 173, art. no. 106354.

- Verykoui E., **Nakas C.T.** Adaptations on the Use of p-Values for Statistical Inference: An Interpretation of Messages from Recent Public Discussions (2023) *Stats*, 6 (2), pp. 539 – 551.
- Vidalis N., Kourkouvela M., Argyris D.-C., Liakopoulos G., Alexopoulos A., **Petropoulos S.A.**, Karapanos I. The Impact of Salinity on Growth, Physio-Biochemical Characteristics, and Quality of *Urospermum picroides* and *Reichardia picroides* Plants in Varied Cultivation Regimes (2023) *Agriculture (Switzerland)*, 13 (9), art. no. 1852.
- Vlahos N., Berillis P., **Levizou E.**, Patsea E., Panteli N., Demertzioglou M., Morfesis K., Voudouri G., Krigas N., Kormas K., Antonopoulou E., Mente E. Investigating Salinity Effects in Brackish Aquaponics Systems: Evidencing the Co-Cultivation of the Halophyte *Crithmum maritimum* with the Euryhaline *Sparus aurata* (2023) *Applied Sciences (Switzerland)*, 13 (6), art. no. 3385.
- Vlahos N., **Levizou E.**, Patsea E., Tasiou K., Berillis P., Antonopoulou E., Bekiari V., Martou N., Morfesis K., Lazari D., Chatzimavroudis C.-S., Krigas N., Kormas K., Mente E. Salinity affects the efficiency of a brackish aquaponics system of sea bass (*Dicentrarchus labrax*) and rock samphire (*Crithmum maritimum*) (2023) *Aquaculture*, 571, art. no. 739493.
- Voutsinos-Frantzis O., Karavidas I., Petropoulos D., Zioviris G., Fortis D., Ntanasi T., Ropokis A., **Karkanis A.**, Sabatino L., Savvas D., Ntatsi G. Effects of NaCl and CaCl₂ as Eustress Factors on Growth, Yield, and Mineral Composition of Hydroponically Grown *Valerianella locusta* (2023) *Plants*, 12 (7), art. no. 1454.
- Zacharis C., Bonos E., Giannenas I., Skoufos I., Tzora A., Voidarou C., Tsinas A., Fotou K., Papadopoulos G., Mitsagga C., **Athanassiou C.**, Antonopoulou E., Grigoriadou K. Utilization of *Tenebrio molitor* Larvae Reared with Different Substrates as Feed Ingredients in Growing Pigs (2023) *Veterinary Sciences*, 10 (6), art. no. 393.
- Zafeiriadis S., Baliota G.V., **Athanassiou C.G.** The Effect of Temperature and Moisture Content on Population Growth of *Alphitobius diaperinus* (Panzer) (Coleoptera: Tenebrionidae) (2023) *Agronomy*, 13 (10), art. no. 2535.
- Zhang T., Hu Q., Wang J., Chen L., Zhang Y., Shen M., Rumbos C.I., Li C., **Athanassiou C.G.**, Cao Y. The rice cultivar affects the population growth and physiological enzyme activity of *Sitophilus oryzae* (L.) (Coleoptera: Curculionidae) reared on rice grains (2023) *Journal of Stored Products Research*, 104, art. no. 102163.
- Zhang X., Jiang M., He L., Niazi N.K., Vithanage M., Li B., Wang J., Abdelrahman H., **Antoniadis V.**, Rinklebe J., Wang Z., Shaheen S.M. Pandemic COVID-19 ends but soil pollution increases: Impacts and a new approach for risk assessment (2023) *Science of the Total Environment*, 890, art. no. 164070.