

## ΕΠΙΣΤΗΜΟΝΙΚΕΣ ΔΗΜΟΣΙΕΥΣΕΙΣ ΜΕ ΚΡΙΤΕΣ ΤΩΝ ΜΕΛΩΝ Δ.Ε.Π. ΤΟΥ ΤΜΗΜΑΤΟΣ (2019 - ΣΗΜΕΡΑ)

### 2025

Bantis, F., Simos, N., Koukounaras, A. (2025). Plant factory in a restaurant: light quality effects on the development, physiology, and quality of three baby-leaf vegetables. *Plants*, 14, 153.

Papapanagiotou, A. P., Alvanou, M. V., Giantsis, I. A., Kati, V. A., & Eleftherohorinos, I. G. (2025). Field-evolved cross-resistance to ALS-inhibiting herbicides in redroot pigweed ( *Amaranthus retroflexus* ) populations and alternative chemical options for effective control. *Weed Technology*, 38, e96.

### 2024

Alvanou, M. V., Feidantsis, K., Lattos, A., Stoforiadi, A., Apostolidis, A. P., Michaelidis, B., & Giantsis, I. A. (2024). Influence of temperature on embryonic development of *Pontastacus leptodactylus* freshwater crayfish, and characterization of growth and osmoregulation related genes. *BMC Zoology*, 9(1).

Alvanou, M. V., Feidantsis, K., Papadopoulou, D. K., Lattos, A., Theodorou, J. A., Michaelidis, B., & Giantsis, I. A. (2024). Major ascidian species with negative impacts on bivalve aquaculture: Current knowledge and future research aims. *Open Geosciences*, 16(1).

Alvanou, M. V., Lattos, A., Cheimonopoulou, M. T., Michaelidis, B., Apostolidis, A. P., & Giantsis, I. A. (2024). First detection of *Aphanomyces astaci* and its potential responsibility for mass mortalities of *Pontastacus (Astacus) leptodactylus* in Greek lakes. *Journal of Biological Research (Greece)*, 31.

Alvanou, M. V., Loukovitis, D., Kyritsi, S., Apostolidis, A. P., Michaelidis, B., & Giantsis, I. A. (2024). Genetic prospective of a local invader: The strange pattern of *Pontastacus leptodactylus* population structure in Greece and Turkey based on microsatellite DNA. *Molecular Biology Reports*, 51(1).

Alvanou, M.V., Loukovitis, D., Melfou, K., & Giantsis, I.A. (2024). Utility of dairy microbiome as a tool for authentication and traceability. *Open Life Sciences*, 19(1), p.20220983.

Antoniadou, M., Rozos, G., Vaou, N., Zaralis, K., Ersanli, C., Alexopoulos, A., Dadamogia, A., Varzakas, T., Tzora, A. and Voidarou, C. (2024). Comprehensive Bio-Screening of Phytochemistry and Biological Capacity of Oregano (*Origanum vulgare*) and *Salvia triloba* Extracts against Oral Cariogenic and Food-Origin Pathogenic Bacteria. *Biomolecules*, 14(6), p.619.

Antonopoulou, D., Giantsis, I. A., & Avdi, M. (2024). Utilisation of genes and SNPs in selective breeding of small ruminants for anoestrus period reduction. *Journal of the Hellenic Veterinary Medical Society*, 75(4), 8389–8394.

Bazakos, C., Michailidis, M., Tourvas, N., Alexiou, K. G., 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. (2024). Genetic mosaic of the Mediterranean fig: comprehensive genomic insights from a gene bank collection. *Physiologia Plantarum*, 176(4).

Dermatas A., Rozos G., Zaralis K., Dadamogia A., Fotou K., Bezirtzoglou E., Akrida-Demertzi K., Demertzis P. and Voidarou C. (2024) Overview of Ecology and Aspects of Antibiotic Resistance in *Campylobacter* spp. Isolated from Free-Grazing Chicken Tissues in Rural Households. *Microorganisms*, 12, 368.

Efstratiou, E., Feidantsis, K., Makri, V., Staikou, A., & Giantsis, I. A. (2024). Evidence for Beneficial Physiological Responses of the Land Snail *Cornu aspersum* to Probiotics' (*Lactobacillus plantarum*) Dietary Intervention. *Animals*, 14(6).

Fotou, K., Rozos, G., Zaralis, K., Dadamogia, A., Stavropoulou, E., Demertzis, P., Akrida- Demertzi, K., Tzora, A. and Voidarou, C. (2024). Pathogens in the Food Chain: *Escherichia coli* Strains in Raw Milk

Originating from Ewes Treated for Mastitis with Various Therapeutic Protocols. *Applied Sciences*, 14(13), p.5383.

Georgoulis, I., Papadopoulos, D. K., Lattos, A., Michaelidis, B., Feidantsis, K., & Giantsis, I. A. (2024). Increased seawater temperature triggers thermal, oxidative and metabolic response of *Ostrea edulis*, leading to anaerobiosis. *Comparative Biochemistry and Physiology Part - B: Biochemistry and Molecular Biology*, 271.

Ion, M. C., Bloomer, C. C., Băărăscu, T. I., Oficialdegui, F. J., Shoobs, N. F., Williams, B. W., Scheers, K., Clavero, M., Grandjean, F., Collas, M., Baudry, T., Loughman, Z., Wright, J. J., Ruokonen, T. J., Chucholl, C., Guareschi, S., Koese, B., Banyai, Z. M., Hodson, J., ... Pârvulescu, L. (2024). *World of CrayfishTM: A web platform towards real-time global mapping of freshwater crayfish and their pathogens*. *PeerJ*, 12(10).

Itziou, A., Ziouzos, D., Zaralis, K., Lakioti, E., Karayannis, V., & Tsanaktsidis, C. (2024). The Processing of a Novel Health Beverage Based on Extracts from Green Tea and Chios Mastiha. *Processes*, 12(11), 2433.

Kalfas, D., Kalogiannidis, S., Ambas, V., Chatzitheodoridis, F., 2024. Contribution of the Cultural and Creative Industries to Regional Development and Revitalization: A European Perspective, *Urban Science*, 8(2), 39.

Kalfas, D., Kalogiannidis, S., Papaevangelou, O., Melfou, K., & Chatzitheodoridis, F. (2024). Integration of Technology in Agricultural Practices towards Agricultural Sustainability: A Case Study of Greece. *Sustainability*, 16(7), 2664.

Kipouropoulou, G., & Melfou, K. (2024). The development of the agricultural economy in Greece during the first decades of the 20th century. «*Studia Universitatis Cibiniensis. Series Historica*, » vol. XXI (in print).

Lattos, A., Papadopoulos, D. K., Giantsis, I. A., Stamelos, A., & Karagiannis, D. (2024). Histopathology and Phylogeny of the Dinoflagellate *Hematodinium perezii* and the Epibiotic Peritrich Ciliate *Epistylis* sp. Infecting the Blue Crab *Callinectes sapidus* in the Eastern Mediterranean. *Microorganisms*, 12(3).

Li, J., Li, J., Wang, S., Ju, H., Chen, S., Basioura, A., ... & Zhu, J. (2024). Post-Thaw Storage Temperature Influenced Boar Sperm Quality and Lifespan through Apoptosis and Lipid Peroxidation. *Animals*, 14(1), 87.

Melfou, K., Koutouzidou, G., Kalfas, D., Loudovaris, S., & Giantsis, I.A. (2024). Recreational Uses of the Protected Natural Ecosystem of Grammos in the Region of Western Macedonia. In: Tsounis, N., Vlachvei, A. (eds) *Applied Economic Research and Trends. ICOAE 2023. Springer Proceedings in Business and Economics*. Springer, Cham.

Melios S., Ninou E., Irakli M., Tsivelika N., Sistanis I., Papathanasiou F., Didos S., Zinoviadou K., Karantonis H.C., Argiriou A. and I. Mylonas I. (2024). Effect of Genotype, Environment and Genotype by Environment interactions on the antioxidant properties of Durum Wheat: impact of nitrogen fertilization, its application method and planting date. *Agriculture 2024*

Ninou E., Tsivelika N., Sistanis I., Katsenios N., Korpetis E., Vasaneli E., Papathanasiou F., Didos S., Argiriou A. and I. Mylonas I. (2024). Assessment of Durum Wheat Cultivars Adaptability in Mediterranean Environments through GxE Interaction Analysis. *Agronomy 2024*, 14, 102.

Papadopoulos, D. K., Alvanou, M. V., Lattos, A., Ouroulis, K., & Giantsis, I. A. (2024). Tropical Shrimp Biofloc Aquaculture within Greenhouses in the Mediterranean: Preconditions, Perspectives, and a Prototype Description. *Fishes*, 9(6).

Papadopoulos, D. K., Giantsis, I. A., Lattos, A., Triantafyllidis, A., & Michaelidis, B. (2024). Marine bivalves voucher DNA barcoding from Eastern Mediterranean, with evidence for *Ostrea stentina* invasion. *Journal of the Marine Biological Association of the United Kingdom*, 104.

Papadopoulos, D. K., Lattos, A., Chatzigeorgiou, I., Tsaballa, A., Ntinis, G. K., & Giantsis, I. A. (2024). The Influence of Water Nitrate Concentration Combined with Elevated Temperature on Rainbow Trout *Oncorhynchus mykiss* in an Experimental Aquaponic Setup. *Fishes*, 9(2).

Papapanagiotou, A. P., Anthimidou, E. A., Eleftherohorinos, I. G., & Giantsis, I. A. (2024). Comparison of Molecularly Identified Resistant and Susceptible Johnsongrass (*Sorghum halepense* L.) Populations at ALS Gene, in the Absence and Presence of Field Crops. *Genes*, 15(11), 1415.

Papapanagiotou, A. P., Loukovitis, D., & Eleftherohorinos, I. G. (2024). Multiple resistance to ALS, ACCase and auxin herbicides in late watergrass (*Echinochloa phyllopogon*) populations across rice production systems in northern Greece. *Weed Science*, 1–27.

Papatzimos, G., and Kasapidou, E. (2024). Review of hemp components as functional feed and food ingredients: impact on animal product quality traits and nutritional value. *Exploration of Foods and Foodomics*, 2(6), 626-650.

Papatzimos, G., Basdagianni, Z., and Kasapidou, E. (2024). Substitution of Animal Fat and Sodium Nitrite with Hemp Seed Oil: Effect on the Nutritional Value, Sensory Characteristics, and Shelf Life of Fermented Salami. *Foods*, 13(16), 2584.

Papatzimos, G., Mitlianga, P., Basdagianni, Z., and Kasapidou, E. (2024). Hemp Flour as a Functional Ingredient for the Partial Replacement of Nitrites in a Minced Meat Model: Effect on Nutrient Composition, Antioxidant Profile and Sensory Characteristics. *Applied Sciences*, 14(9), 3925. DOI:

Polychroniadou, C., Michailidis, M., Samiotaki, M., Adamakis, I. D. S., Giannoutsou, E., Skodra, C., Karagiannis, E., Bazakos, C., Molassiotis, A., & Tanou, G. (2024). Understanding the effect of calcium in kiwifruit ripening and establishment of early and late response mechanisms through a cross-omics approach. *Postharvest Biology and Technology*, 211.

Ravani, M., Liantas, G., Alvanou, M. V., Tampaki, E., Chatzigeorgiou, I., Giantsis, I. A., & Ntinis, G. K. (2024). Life cycle analysis of semi-intensive and intensive sheep milk production. *International Journal of Life Cycle Assessment*, 29(2), 218–239.

Sistanis I., Mylonas, I., Ninou, E., Lazaridou, Th., & Papathanasiou, F. (2024). Selection of first generation lines within a traditional rye population under ultra low density *AGROFOR* Volume 9, Issue 1, pp 108-114.

Tampaki, M., Koutouzidou, G., Melfou, K., Ragkos, A., & Giantsis, I.A. (2024). The contrasting mosaic of consumers' knowledge on local plant genetic resources sustainability vis a vis the unawareness for indigenous farm animal breeds. *AIMS Agriculture and Food*, 9(2), pp.645-665.

Tsakmakidis, I., Lefkaditis, M., Sofia, M., Zaralis, K., & Giantsis, I. A. (2024). Prevalence of *Neospora caninum* and associated risk factors in semi-intensive female water buffaloes reared in Greece, using an ELISA kit on milk samples. *Veterinary Parasitology: Regional Studies and Reports*, 54, 101081.

Tsakmakidis, I., Lefkaditis, M., Zaralis, K., & Arsenos, G. (2024). Alternative hosts of *Leishmania infantum*: a neglected parasite in Europe. *Tropical Animal Health and Production*, 56(4), 1-14.

Tsaousioti, A., Basioura, A., Praxitelous, A., & Tsousis, G. (2024). Dystocia in Dairy Cows and Heifers: A Review with a Focus on Future Perspectives. *Dairy*, 5(4), 655-671.

Zampakas, K., Alvanou, M.V., Kalapouti, A., Hatjina, F., Tananaki, C., Melfou, K., & Giantsis, I.A., (2024). Genetic Profile of Greek Indigenous Honey Bee Populations, Local Extinctions, Geographical Distinction, and Patterns, by Using mtDNA COI and Nuclear CSD Gene Analysis Markers. *Journal of Zoological Systematics and Evolutionary Research*, 2024(1), p.5466016.

## 2023

Alvanou, M. V., Apostolidis, A. P., Lattos, A., Michaelidis, B., & Giantsis, I. A. (2023). The Coding Mitogenome of the Freshwater Crayfish *Pontastacus leptodactylus* (Decapoda:Astacidea:Astacidae) from Lake Vegoritida, Greece and Its Taxonomic Classification. *Genes*, 14(2).

Alvanou, M. V., Feidantsis, K., Staikou, A., Apostolidis, A. P., Michaelidis, B., & Giantsis, I. A. (2023). Probiotics, Prebiotics, and Synbiotics Utilization in Crayfish Aquaculture and Factors Affecting Gut Microbiota. *Microorganisms*, 11(5).

Alvanou, M. V., Gkagkavouzis, K., Karaiskou, N., Feidantsis, K., Lattos, A., Michaelidis, B., Theodorou, J. A., Batargias, C., Triantafyllidis, A., & Giantsis, I. A. (2023). Mediterranean Aquaculture and Genetic Pollution: A Review Combined with Data from a Fish Farm Evaluating the Ecological Risks of Finfish Escapes. *Journal of Marine Science and Engineering*, 11(7).

Alvanou, M. V., Kyriakoudi, A., Makri, V., Lattos, A., Feidantsis, K., Papadopoulos, D. K., Georgoulis, I., Apostolidis, A. P., Michaelidis, B., Mourtzinou, I., Asimaki, A., Karapanagiotidis, I. T., & Giantsis, I. A. (2023). Effects of dietary substitution of fishmeal by black soldier fly (*Hermetia illucens*) meal on growth performance, whole-body chemical composition, and fatty acid profile of *Pontastacus leptodactylus* juveniles. *Frontiers in Physiology*, 14.

Antoniadou, M., Rozos, G., Vaiou, N., Zaralis, K., Ersanli, C., Alexopoulos, A., Tzora, A., Varzakas, T., & Voidarou, C. (Chrysa). (2023). 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*, 12(1), 60.

Antonopoulou, D., Giantsis, I. A., Symeon, G. K., & Avdi, M. (2023). Association of MTNR1A and GDF9 gene alleles with the reproductive performance, response to oestrus induction treatments and prolificacy, in improved and non-improved local indigenous sheep breeds. *Reproduction in Domestic Animals*, 58(11), 1532–1541.

Bosmali I., Giannenas I., Christophoridou S., Ganos C., Papadopoulos A., Papathanasiou F., Kolonas A., Gortzi O. (2023). Microclimate and genotype impact on nutritional and antinutritional quality of locally adapted landraces of common bean (*Phaseolus vulgaris* L.). *Foods* 2023, 12.1119

Carella, F., Palić, D., Šarić, T., Župan, I., Gorgoglione, B., Prado, P., Andree, K. B., Giantsis, I. A., Michaelidis, B., Lattos, A., Theodorou, J. A., Luis Barja Perez, J., Rodriguez, S., Scarpa, F., Casu, M., Antuofermo, E., Sanna, D., Otranto, D., Panarese, R., ... Vico, G. D. (2023). Multipathogen infections and multifactorial pathogenesis involved in noble pen shell (*Pinna nobilis*) mass mortality events: Background and current pathologic approaches. *Veterinary Pathology*, 60(5), 560–577.

Chatzitheodoridis, F., Melfou, K., Kontogeorgos, A., & Kalogiannidis, S. (2023). Exploring Key Aspects of an Integrated Sustainable Urban Development Strategy in Greece: The Case of Thessaloniki City. *Smart Cities*, 6(1), 19-39.

Chatzoglou, E., Tsaousi, N., Apostolidis, A. P., Exadactylos, A., Sandaltzopoulos, R., Giantsis, I. A., Gkafas, G. A., Malandrakis, E. E., Sarantopoulou, J., Tokamani, M., Triantaphyllidis, G., & Miliou, H. (2023). High-Resolution Melting (HRM) Analysis for Rapid Molecular Identification of Sparidae Species in the Greek Fish Market. *Genes*, 14(6).

Coupé, S., Giantsis, I. A., Vázquez Luis, M., Scarpa, F., Foulquié, M., Prévot, J.-M., Casu, M., Lattos, A., Michaelidis, B., Sanna, D., García-March, J. R., Tena-Medialdea, J., Vicente, N., & Bunet, R. (2023). The

characterization of toll-like receptor repertoire in *Pinna nobilis* after mass mortality events suggests adaptive introgression. *Ecology and Evolution*, 13(8).

Damos P., Papathanasiou F., Tsikos E., Kyriakidis T. and Louta M. (2023). Predicting the Occurrence and Risk Damage Caused by the Two-Spotted Spider Mite *Tetranychus urticae* (Koch) in Dry Beans (*Phaseolus vulgaris* L.) Combining Rate and Heat Summation Models for Digital Decisions Support. *Agriculture* 2023, 13, 756.

Feidantsis, K., Papadopoulos, D. K., Lattos, A., Theodorou, J. A., Michaelidis, B., & Giantsis, I. A. (2023). Effects of Biofouling by Ascidians on Cultured Mussels: Apoptosis, Autophagy, and Antioxidant Defense. *Journal of Shellfish Research*, 42(2), 199–213.

Florou, E., Politi, A., Andreadaki, E., Vrakas, K., Spaliara, H., Neli, A., Koulopoulou, C.E., Koulopoulos, A., Bantis, F., Zervoudakis, G. (2023). When Light Is Crucial, but Wind Is Rather Trivial: A Basil Case Study. *Plants*, 13, 3221.

Galitsas Th., Papathanasiou, F., & Lazaridou, T.B. (2023). Yield and protein content of grain legumes intercropping with cereals in two spatial arrangements *AGROFOR* Volume 8, Issue 2, pp 111-116.

Georgoulis, I., Bock, C., Lannig, G., Pörtner, H. O., Sokolova, I. M., Feidantsis, K., Giantsis, I. A., & Michaelidis, B. (2023). Heat hardening enhances metabolite-driven thermoprotection in the Mediterranean mussel *Mytilus galloprovincialis*. *Frontiers in Physiology*, 14.

Giantsis, I. A., Tokamani, M., Triantaphyllidis, G., Tzatzani, S., Chatzinikolaou, E., Toros, A., Bouchorikou, A., Chatzoglou, E., Miliou, H., Sarantopoulou, J., Gkafas, G. A., Exadactylos, A., Sandaltzopoulos, R., & Apostolidis, A. P. (2023). Development of Multiplex PCR and Melt–Curve Analysis for the Molecular Identification of Four Species of the Mullidae Family, Available in the Market. *Genes*, 14(5).

Hussain, S. B., Karagiannis, E., Manzoor, M., & Ziogas, V. (2023). From Stress to Success: Harnessing Technological Advancements to Overcome Climate Change Impacts in Citriculture. *Critical Reviews in Plant Sciences*, 42(6), 345–363.

Itziou, A., Zaralis, K., Theofanous, A., Louloudi, M., Rozos, G., Vasiliadou, I. A., Lakioti, E., Karayannis, V., & Tsanaktisidis, C. (2023). Sustainable antioxidant production for hygienic disinfection using bioextractants from lavender and oregano distillation process. *Energies*, 16(22), 7534.

Karagiannis, E. (2023). Postharvest physiology of climacteric and nonclimacteric fruits and vegetables. In *Oxygen, Nitrogen and Sulfur Species in Post-Harvest Physiology of Horticultural Crops* (pp. 1–21). Elsevier.

Kasapidou, E., Basdagianni, Z., Papatzimos, G., Papadopoulos, V., Tsiftsi, E., Neki, I., ... and Mitlianga, P. (2023). Chemical composition, antioxidant profile and physicochemical properties of commercial non-cocoa-and cocoa-flavoured plant-based milk alternatives. *European Food Research and Technology*, 1-16.

Kasapidou, E., Iliadis, I. V., Mitlianga, P., Papatzimos, G., Karatzia, M. A., Papadopoulos, V., ... and Basdagianni, Z. (2023). Variations in Composition, Antioxidant Profile, and Physical Traits of Goat Milk within the Semi-Intensive Production System in Mountainous Areas during the Post-Weaning to End-of-Lactation Period. *Animals*, 13(22), 3505.

Kasapidou, E., Stergioudi, R. A., Papadopoulos, V., Mitlianga, P., Papatzimos, G., Karatzia, M. A., ... and Basdagianni, Z. (2023). Effect of Farming System and Season on Proximate Composition, Fatty Acid Profile, Antioxidant Activity, and Physicochemical Properties of Retail Cow Milk. *Animals*, 13(23), 3637.

Keramaris, A., Papadopoulos, V., Kasapidou, E., and Mitlianga, P. (2023). A Comprehensive Analysis on Nutritional and Antioxidant Characteristics of a Traditional Roasted Maize Flour (Furniko) of Pontic Greeks: Comparative Study to Related Flour Products. *Plant Foods for Human Nutrition*, 78, 476–482.

- Keramaris, A., Sawidis, T., Kasapidou, E., and Mitlianga, P. (2023). Furniko Flour: An Emblematic Traditional Food of Greek Pontic Cuisine. *International Journal of Nutrition and Food Engineering*, 17(4), 11-18.
- Köseoğlu, A. E., Paltacı, S., Can, H., Giantsis, I. A., Güvendi, M., Demir, S., Döşkaya, M., & Ün, C. (2023). Applicability evaluation of mtDNA based molecular identification in mosquito species/subspecies/biotypes collected from Thessaloniki, Greece. *Veterinary Parasitology: Regional Studies and Reports*, 41.
- Lattos, A., Feidantsis, K., Giantsis, I. A., Theodorou, J. A., & Michaelidis, B. (2023). Seasonality in Synergism with Multi-Pathogen Presence Leads to Mass Mortalities of the Highly Endangered *Pinna nobilis* in Greek Coastlines: A Pathophysiological Approach. *Microorganisms*, 11(5).
- Lattos, A., Papadopoulos, D. K., Feidantsis, K., Giantsis, I. A., Georgoulis, I., Karagiannis, D., & Michaelidis, B. (2023). Antioxidant Defense of *Mytilus galloprovincialis* Mussels Induced by Marine Heatwaves in Correlation with *Marteilia* Pathogen Presence. *Fishes*, 8(8).
- Lattos, A., Papadopoulos, D. K., Giantsis, I. A., Feidantsis, K., Georgoulis, I., Karagiannis, D., Carella, F., & Michaelidis, B. (2023). Investigation of the highly endangered *Pinna nobilis*' mass mortalities: Seasonal and temperature patterns of health status, antioxidant and heat stress responses. *Marine Environmental Research*, 188.
- Li, J., Zhao, W., Zhu, J., Wang, S., Ju, H., Chen, S., ... & Liu, Z. (2023). Temperature elevation during semen delivery deteriorates boar sperm quality by promoting apoptosis. *Animals*, 13(20), 3203.
- Louta M., Karagiannis P., Papanikolopoulou V., Vouraki S., Tshipis E., Priskas S., Koutouzidou G., Theodoridis A., Dimitriou S., Arsenos G. (2023). FarmDain, a Decision Support System for Dairy Sheep and Goat Production. *Animals*, 2023, 13(9), 1495.
- Makri, V., Feidantsis, K., Porlou, D., Ntokou, A., Georgoulis, I., Giantsis, I. A., Anestis, A., & Michaelidis, B. (2023). Red porgy's (*Pagrus pagrus*) cellular physiology and antioxidant defense in response to seasonality. *Journal of Thermal Biology*, 113.
- Maletsika, P., Liava, V., Sarrou, E., Titeli, V. S., Nasiopoulou, E., Martens, S., Karagiannis, E., Grigoriadou, K., Molassiotis, A., & Nanos, G. D. (2023). Foliar Calcium Effects on Quality and Primary and Secondary Metabolites of White-Fleshed 'Lemonato' Peaches. *Horticulturae*, 9(3).
- Mamatsios, K., Karatzia, M. A., Manassis, G., Kasapidou, E., Bossis, I., and Basdagianni, Z. (2023). Effect of Milking Vacuum and the Supplementation of Vitamin E and Se in Milk Quantity, Quality, and Hygiene of Mammary gland in Mountainous Greek Sheep. *Animals*, 13(21), 3400.
- Papadopoulos, D. K., Lattos, A., Giantsis, I. A., Theodorou, J. A., Michaelidis, B., & Feidantsis, K. (2023). The impact of ascidian biofouling on the farmed Mediterranean mussel *Mytilus galloprovincialis* physiology and welfare, revealed by stress biomarkers. *Biofouling*, 39(3), 271–288.
- Papapanagiotou, A. P., Loukovitis, D., Anthimidou, E., & Eleftherohorinos, I. G. (2023). Impact of ALS Herbicide-Resistant Perennial Ryegrass (*Lolium perenne*) Population on Growth Rate and Competitive Ability against Wheat. *Agronomy*, 13(6), 1641.
- Papapanagiotou, A. P., Spanos, T., Zarrougui, N. E., Livieratos, I. C., & Eleftherohorinos, I. G. (2023). Pro197 and Trp574 substitutions in the acetolactate synthase of corn marigold (*Glebionis segetum*) and their impact on competitive ability against barley. *Weed Technology*, 37(2), 165–173.
- Papapanagiotou, A., Vasilakoglou, I., Dhima, K., & Eleftherohorinos, I. (2023). Growth rate and competitive ability of susceptible and multiple-resistant late watergrass (*Echinochloa phyllopogon*) biotypes to rice. *Phytoparasitica*, 51(4), 865–882.

Sapardani, E., Melfou, K., Chatzitheodoridis, F., & Kontogeorgos, A., (2023). Technical and Scale Efficiency of farms producing grapes for wine. *KnE Social Sciences*, pp.102-118.

Saratsi, A., Samartzi, F., Panagiotidis, I., Basioura, A., Tsiokos, D., Ligda, C., & Rekkas, C. A. (2023). Post-Thaw Parameters of Buck Semen Quality after Soy Lecithin Extender Supplementation with Fumaric Acid. *Veterinary Sciences*, 10(9), 569.

Sioutas, G., Petridou, E., Minoudi, S., Papageorgiou, K. V., Symeonidou, I., Giantsis, I. A., Triantafyllidis, A., & Papadopoulos, E. (2023). Isolation of *Listeria monocytogenes* from poultry red mite (*Dermanyssus gallinae*) infesting a backyard chicken farm in Greece. *Scientific Reports*, 13(1).

Tokatlidis I., Vrochidis I., Sistanis I., Pankou I.C., Sinapidou E., Papathanasiou F. and D.N. Vlachostergios (2023). Testing validity of CV for single-plant yield in the absence of competition as homeostasis index. *Agronomy* 2023, 13, 176.

Tsamadias, I. E., Rizou, D. D., Moutopoulos, D. K., Lattos, A., Giantsis, I. A., Michaelidis, B., & Theodorou, J. A. (2023). Morphometric Analysis of the Critically Endangered Fan Mussel (*Pinna nobilis* L.) in Maliakos Gulf (Central Aegean). *Diversity*, 15(9).

Tsitsos A., Economou V., Chouliara E., Koutouzidou G., Arsenos G., Ambrosiadis I. (2023). Effect of Chitosan and Alginate-Based Edible Membranes with Oregano Essential Oil and Olive Oil in the Microbiological, Physicochemical and Organoleptic Characteristics of Mutton. *Microorganisms*, 2023, 11(2), 507.

Xexaki, A., Papadopoulos, D. K., Alvanou, M. V., Giantsis, I. A., Papageorgiou, K. V., Delis, G. A., Economou, V., Kritas, S. K., Sossidou, E. N., & Petridou, E. (2023). Prevalence of Antibiotic Resistant *E. coli* Strains Isolated from Farmed Broilers and Hens in Greece, Based on Phenotypic and Molecular Analyses. *Sustainability*, 15(12).

## 2022

Alvanou, M. V., Papadopoulos, D. K., Lattos, A., Georgoulis, I., Feidantsis, K., Apostolidis, A. P., Michaelidis, B., & Giantsis, I. A. (2022). Biology, distribution, conservation status and stocking perspective of freshwater crayfish in Greece: An updated review. *Aquaculture Research*, 53(15), 5115–5128.

Basioura, A., Brellou, G. D., Tsakmakidis, I., Vlemmas, I., Boscus, C. M., & Giadinis, N. (2022). Varicocele in an Adult Ram: Histopathological Examination and Sperm Quality Evaluation. *Veterinary Sciences* 9(2), 86. DOI:

Damos P., Papathanasiou F., Tsikos E., Kyriakidis T. and Louta M. (2022). Bayesian Non-Parametric Thermal Thresholds for *Helicoverpa armigera* and Their Integration into a Digital Plant Protection System. *Agronomy* 2022, 12, 2474.

Davidson, I., Stamelou, E., Giantsis, I. A., Papageorgiou, K. V., Petridou, E., & Kritas, S. K. (2022). The Complexity of Swine Caliciviruses. A Mini Review on Genomic Diversity, Infection Diagnostics, World Prevalence and Pathogenicity. *Pathogens*, 11(4).

Georgoulis, I., Bock, C., Lannig, G., Pörtner, H. O., Feidantsis, K., Giantsis, I. A., Sokolova, I. M., & Michaelidis, B. (2022). Metabolic remodeling caused by heat hardening in the Mediterranean mussel *Mytilus galloprovincialis*. *Journal of Experimental Biology*, 225(24).

Georgoulis, I., Feidantsis, K., Kouvas, D., Lattos, A., Delis, G. A., Theodoridis, A., ... & Giantsis, I. A. (2022). The effect of seawater physical parameters in bivalve farming: Could systematic monitoring and early warning prevent negative impacts? A review focused on Vistonikos Gulf, North Aegean Sea. *International Journal of Agricultural Resources, Governance and Ecology*, 18(1-2), 22-37.

Giantsis, I. A., Antonopoulou, D., Dekolis, N., Zaralis, K., & Avdi, M. (2022). Origin, demographics, inbreeding, phylogenetics, and phenogenetics of Karamaniko breed, a major common ancestor of the autochthonous Greek sheep. *Tropical Animal Health and Production*, 54(1).

Kalaitzidou, M. P., Alvanou, M. V., Papageorgiou, K. V., Lattos, A., Sofia, M., Kritas, S. K., Petridou, E., & Giantsis, I. A. (2022). Pollution Indicators and HAB-Associated Halophilic Bacteria Alongside Harmful Cyanobacteria in the Largest Mussel Cultivation Area in Greece. *International Journal of Environmental Research and Public Health*, 19(9).

Kalfas, D., Chatzitheodoridis, F., Loizou, E., & Melfou, K. (2022). Willingness to pay for urban and suburban green. *Sustainability*, 14(4), 2332.

Kalogiannidis, S., Loizou, E., Melfou, K., & Papaevangelou, O. (2022). Assessing Relationship Between Entrepreneurship Education and Business Growth. In: Sklias, P., Polychronidou, P., Karasavvoglou, A., Pistikou, V., Apostolopoulos, N. (eds) *Business Development and Economic Governance in Southeastern Europe. Springer Proceedings in Business and Economics*. Springer, Cham.

Karagianni, M., Moschou, M., & Lazaridou, T.B. (2022). Evaluation of greek bread and durum wheat cultivars for drought tolerance using polyethylene glycol. *AGROFOR* Volume 7, Issue 1; ISSN 2490-3434.

Karkanis, D., & Melfou, K., (2022). Reconsidering the Greek Agri-Food Export Sector: What Lessons from the EU Partners?. *Global Business Review*, p.09721509221135928.

Kasapidou, E., Karatzia, M. A., Mitlianga, P., and Basdagianni, Z. (2022). Effects of Production Systems and Seasons on Retail-Goat-Milk Fatty-Acid Composition and Nutritional Indices in Greece. *Animals*, 12(17), 2204.

Katsiolis, A., Papadopoulos, D. K., Giantsis, I. A., Papageorgiou, K., Zdragas, A., Giadinis, N. D., & Petridou, E. (2022). *Brucella* spp. Distribution, hosting ruminants from Greece, applying various molecular identification techniques. *BMC Veterinary Research*, 18(1).

Keramaris, A., Kasapidou, E., and Mitlianga, P. (2022). Pontic Greek cuisine: the most common foods, ingredients, and dishes presented in cookbooks and folklore literature. *Journal of Ethnic Foods*, 9(1), 1-18.

Kontogianni, V. G., Kasapidou, E., Mitlianga, P., Mataragas, M., Pappa, E., Kondyli, E., and Bosnea, L. (2022). Production, characteristics and application of whey protein films activated with rosemary and sage extract in preserving soft cheese. *LWT*, 155, 112996.

Koutouzidou, G., Ragkos, A., & Melfou, K. (2022). Evolution of the Structure and Economic Management of the Dairy Cow Sector. *Sustainability*, 14(18), 11602.

Lattos, A., Giantsis, I. A., Tsavea, E., Kolygas, M., Athanassopoulou, F., & Bitchava, K. (2022). Virulence Genes and In Vitro Antibiotic Profile of *Photobacterium damsela* Strains, Isolated from Fish Reared in Greek Aquaculture Facilities. *Animals*, 12(22).

Lattos, A., Papadopoulos, D. K., Feidantsis, K., Karagiannis, D., Giantsis, I. A., & Michaelidis, B. (2022). Are Marine Heatwaves Responsible for Mortalities of Farmed *Mytilus galloprovincialis*? A Pathophysiological Analysis of *Marteilia* Infected Mussels from Thermaikos Gulf, Greece. *Animals*, 12(20).

Melfou, K., Kalfas, D., Chatzitheodoridis, F., Kalogiannidis, S., Loizou, E., & Toska, E. (2022). Comparison of Approaches for Determining Grazing Capacity in Forest Rangelands: The Case of Pisoderion Forest Florina-Greece. *Environmental Sciences Proceedings*, 22(1), 68.



Michailidis, M., Titeli, V. S., Karagiannis, E., Feidaki, K., Ganopoulos, I., Tanou, G., Argiriou, A., & Molassiotis, A. (2022). Tissue-specific transcriptional analysis outlines calcium-induced core metabolic changes in sweet cherry fruit. *Plant Physiology and Biochemistry*, 189, 139–152.

Ninou E., Mylonas I., Karagianni I., Michailidou S., Tsivelikas A., Sistanis I., Avdikos E., Korpetis E. and Papathanasiou F. (2022). Utilization of Intra-Cultivar Variation for Grain Yield and Protein Content within Durum Wheat Cultivars. *Agriculture* 2022, 12, 661.

Pankou C., Koulymboudi L., Gekas F., Papadopoulos I., Papathanasiou F., Sinapidou E., and I. Tokatlidis (2022). Testing Taylor's Power Law association of maize interplant variation with mean grain yield. *Journal of Integrative Agriculture*.

Papapanagiotou, A. P., Damalas, C. A., Bosmali, I., Madesis, P., Menexes, G., & Eleftherohorinos, I. (2022). Multiple resistance of silky windgrass to acetolactate synthase- and acetyl-CoA synthase-inhibiting herbicides. *Weed Technology*, 36(3), 334–343.

Papapanagiotou, A. P., Loukovitis, D., Damalas, C. A., & Eleftherohorinos, I. G. (2022). Identification of an acetyl-CoA carboxylase-resistant johnsongrass ( Sorghum halepense L.) population from a cotton field in northern Greece. *Weed Biology and Management*, 22(4), 88–93.

Papapanagiotou, A. P., Loukovitis, D., Ntoanidou, S., & Eleftherohorinos, I. G. (2022). Target-site cross-resistance to ALS inhibitors in johnsongrass originating from Greek cornfields. *Weed Technology*, 36(2), 276–282.

Papathanasiou F., Mylonas I., Avdikos I., Petidou O., Ninou E., Papadopoulou F., and Papadopoulos I. (2022). Selection at ultra-low density of second generation lines of bean cultivars under water stress. *Agrofor International Journal*. 7(1) pp. 98-105.

Papathanasiou F., Ninou E., Mylonas I., Baxevas D., Papadopoulou F., Avdikos I., Sistanis I., Koskosidis A., Vlachostergios D.N., Stefanou S., Tigka E. and Kargiotidou A. (2022). The evaluation of common bean (*Phaseolus vulgaris* L.) genotypes under water stress based on physiological and agronomic parameters. *Plants*, 11(18), 2432.

Polychroniadou, C., Karagiannis, E., Michailidis, M., Adamakis, I. D. S., Ganopoulos, I., Tanou, G., Bazakos, C., & Molassiotis, A. (2022). Identification of genes and metabolic pathways involved in wounding-induced kiwifruit ripening. *Plant Physiology and Biochemistry*, 179, 179–190.

Polychroniadou, C., Michailidis, M., Adamakis, I. D. S., Karagiannis, E., Ganopoulos, I., Tanou, G., Bazakos, C., & Molassiotis, A. (2022). Mechanical stress elicits kiwifruit ripening changes in gene expression and metabolic status. *Postharvest Biology and Technology*, 194.

Ragkos, A., Skordos, D., Koutouzidou, G., Giantsis, I. A., Delis, G., & Theodoridis, A. (2022). Socioeconomic Appraisal of an Early Prevention System against Toxic Conditions in Mussel Aquaculture. *Animals*, 12(20).

Silva, S. R., Sacarrão-Birrento, L., Almeida, M., Ribeiro, D. M., Guedes, C., González Montaña, J. R., Pereira, A. F., Zaralis, K., Geraldo, A., Tzamaloukas, O., Cabrera, M. G., Castro, N., Argüello, A., Hernández-Castellano, L. E., Alonso-Diez, Á. J., Martín, M. J., Cal- Pereyra, L. G., Stilwell, G., & de Almeida, A. M. (2022). Extensive sheep and goat production: The role of novel technologies towards Sustainability and Animal Welfare. *Animals*, 12(7), 885.

Siogkas, T., Melfou, K., Ragkos, A., & Polymeros, A. (2023). Description and Categorisation of Agriculture Holdings in the Region of Western Macedonia. In: Tsounis, N., Vlachvei, A. (eds) *Advances in Empirical Economic Research. ICOAE 2022. Springer Proceedings in Business and Economics*. Springer, Cham.

Sofia, M., Giannakopoulos, A., Giantsis, I. A., Touloudi, A., Birtsas, P., Papageorgiou, K., Athanasakopoulou, Z., Chatzopoulos, D. C., Vrioni, G., Galamatis, D., Diamantopoulos, V., Mpellou, S.,

Petridou, E., Kritas, S. K., Palli, M., Georgakopoulos, G., Spyrou, V., Tsakris, A., Chaskopoulou, A., & Billinis, C. (2022). West Nile Virus Occurrence and Ecological Niche Modeling in Wild Bird Species and Mosquito Vectors: An Active Surveillance Program in the Peloponnese Region of Greece. *Microorganisms*, 10(7).

Stamelou, E., Giantsis, I. A., Papageorgiou, K. V., Petridou, E., Davidson, I., Polizopoulou, Z. S., Papa, A., & Kritas, S. K. (2022). Epidemiology of Astrovirus, Norovirus and Sapovirus in Greek pig farms indicates high prevalence of Mamastrovirus suggesting the potential need for systematic surveillance. *Porcine Health Management*, 8(1).

Stamelou, E., Giantsis, I. A., Papageorgiou, K. V., Petridou, E., Davidson, I., Polizopoulou, Z. S., Papa, A., & Kritas, S. K. (2022). First report of canine Astrovirus and Sapovirus in Greece, hosting both asymptomatic and gastroenteritis symptomatic dogs. *Virology Journal*, 19(1).

Stravogianni, V., Markakis, I. A., Basioura, A., Boscoc, C. M., Tsakmakias, I. A., & Amaras, T. S. (2022). The Use of Triaxial Accelerometers During the Semen Collection Process in Boars. Conference paper in *11th International Conference on Modern Circuits and Systems Technologies (MOCAST)*, 1-4.

Stravogianni, V., Samaras, T., Boscoc, C. M., Basioura, A., Markakis, I., & Tsakmakidis, I. A. (2022). Investigating Visual Monitoring of the Scrotum as a Supplementary Tool for Boar Semen Quality Evaluation. *Veterinary Sciences* 10(1), 9.

Stravogianni, V., Samaras, T., Boscoc, C. M., Markakis, J., Krystallidou, E., Basioura, A., & Tsakmakidis, I. A. 2022. The use of animal's body, scrotal temperature and motion monitoring in evaluating boar semen production capacity. *Animals* 12(7), 829.

Taghizadeh, S. F., Karimi, G., Tzatzarakis, M., Tsakiris, I., Ahmadpourmir, H., Azizi, M., ... & Rezaee, R. (2022). Probabilistic risk assessment of exposure to multiple metals and pesticides through consumption of fruit juice samples collected from Iranian market. *Food and Chemical Toxicology*, 170, 113493.

Tampaki, M., Koutouzidou, G., Ragkos, A., Melfou, K., & Giantsis, I. A. (2022). Eco-value and public perceptions for indigenous farm animal breeds and local plant varieties, focusing on Greece. *Sustainability*, 14(18), 11211.

Tassis, P. D., Reisinger, N., Nagl, V., Tzika, E., Schatzmayr, D., Mittas, N., Basioura, A., Michos, I., & Tsakmakidis, I. A. 2022. Comparative Effects of Deoxynivalenol, Zearalenone and Its Modified Forms De-Epoxy-Deoxynivalenol and Hydrolyzed Zearalenone on Boar Semen In Vitro. *Toxins* 14(7), 497. DOI:

Vasdravanidis, C., Alvanou, M. V., Lattos, A., Papadopoulos, D. K., Chatzigeorgiou, I., Ravani, M., Liantas, G., Georgoulis, I., Feidantsis, K., Ntinias, G. K., & Giantsis, I. A. (2022). Aquaponics as a Promising Strategy to Mitigate Impacts of Climate Change on Rainbow Trout Culture. *Animals*, 12(19). <https://doi.org/10.3390/ani12192523>

Zgouridou, A., Tripidaki, E., Giantsis, I. A., Theodorou, J. A., Kalaitzidou, M., Raitsos, D. E., Lattos, A., Mavropoulou, A.-M., Sofianos, S., Karagiannis, D., Chaligiannis, I., Anestis, A., Papadakis, N., Feidantsis, K., Mintza, D., Staikou, A., & Michaelidis, B. (2022). The current situation and potential effects of climate change on the microbial load of marine bivalves of the Greek coastlines: An integrative review. *Environmental Microbiology*, 24(3), 1012–1034. <https://doi.org/10.1111/1462-2920.15765>

## 2021

Avdikos ID, Nteve G-M, Apostolopoulou A, Tagiakas R, Mylonas I, Xynias IN, Papathanasiou F, Kalaitzis P, Mavromatis AG. (2021). Analysis of Re-Heterosis for Yield and Fruit Quality in Restructured Hybrids, Generated from Crossings among Tomato Recombinant Lines. *Agronomy* 2021; 11(5):822.

Basioura, A., Tsousis, G., Boscoc, C. M., & Tsakmakidis, I. A. (2021). Efficiency of three boar sperm enrichment techniques. Reproduction in Domestic *Animals*, 56(8), 1148-1151.

Feidantsis, K., Georgoulis, I., Giantsis, I. A., & Michaelidis, B. (2021). Treatment with ascorbic acid normalizes the aerobic capacity, antioxidant defence, and cell death pathways in thermally stressed *Mytilus galloprovincialis*. *Comparative Biochemistry and Physiology Part - B: Biochemistry and Molecular Biology*, 255.

Feidantsis, K., Pörtner, H. O., Giantsis, I. A., & Michaelidis, B. (2021). Advances in understanding the impacts of global warming on marine fishes farmed offshore: *Sparus aurata* as a case study. *Journal of Fish Biology*, 98(6), 1509–1523.

Gennatos, K., & Lazaridou, T.B. (2021). Silage Yield and protein content of forage legumes intercropping with cereals in two spatial arrangements. *AGROFOR*. Volume 6, Issue 3; ISSN 2490-3434.

Georgoulis, I., Feidantsis, K., Giantsis, I. A., Kakale, A., Bock, C., Pörtner, H. O., Sokolova, I. M., & Michaelidis, B. (2021). Heat hardening enhances mitochondrial potential for respiration and oxidative defence capacity in the mantle of thermally stressed *Mytilus galloprovincialis*. *Scientific Reports*, 11(1).

Giantsis, I. A., Beleri, S., Balatsos, G., Karras, V., Patsoula, E., Papachristos, D., Michaelakis, A., & Chaskopoulou, A. (2021). Sand fly (Diptera: Psychodidae: Phlebotominae) population dynamics and natural leishmania infections in Attica region, Greece. *Journal of Medical Entomology*, 58(1), 480–485.

Giantsis, I. A., Sapounidis, A., Koutrakis, E., & Apostolidis, A. P. (2021). Assessment of stocking activities on the native brown trout populations from nestos river (Southern balkans) inferred by mtDNA rFLP and sequencing analyses. *Applied Sciences*, 11(19).

Kakamoukas, G., Sarigiannidis, P., Maropoulos, A., Lagkas, T., Zaralis, K., & Karaïskou, C. (2021). Towards Climate Smart Farming—A Reference Architecture for Integrated Farming Systems. *Telecom*, 2(1), 52–74.

Kalaitzidou, M. P., Nannou, C. I., Lambropoulou, D. A., Papageorgiou, K. V., Theodoridis, A. M., Economou, V. K., Giantsis, I. A., Angelidis, P. G., Kritas, S. K., & Petridou, E. J. (2021). First report of detection of microcystins in farmed mediterranean mussels *Mytilus galloprovincialis* in Thermaikos gulf in Greece. *Journal of Biological Research (Greece)*, 28(1).

Kalfas, D. G., Zagkas, D. T., Dragozi, E. I., & Melfou, K. K. (2021). An approach of landscape ecology and landscape ecology in Greece. *International Journal of Sustainable Development & World Ecology*, 28(8), 677- 692.

Karaïskou, C., Kasapidou, E., Michailidis, G., Markantonatos, X., and Basdagianni, Z. (2021). Effect of dietary milk thistle (*Silybum marianum* L.) oil supplementation on animal performance and milk fatty acid composition in dairy ewes. *Small Ruminant Research*, 203, 106493. DOI:

Kasapidou, E., Basdagianni, Z., Papadopoulos, V., Karaïskou, C., Kesidis, A., and Tsiotsias, A. (2021). Effects of Intensive and Semi-Intensive Production on Sheep Milk Chemical Composition, Physicochemical Characteristics, Fatty Acid Profile, and Nutritional Indices. *Animals*, 11(9), 2578.

Kasapidou, E., Papadopoulos, V., and Mitlianga, P. (2021). Feasibility of Application of Near Infrared Reflectance (NIR) Spectroscopy for the Prediction of the Chemical Composition of Traditional Sausages. *Applied Sciences*, 11(23), 11282.

Kousenidis, K., Giantsis, I. A., Karageorgiou, E., & Avdi, M. (2021). Swine ultrasonography numerical modeling for pregnancy diagnosis and prediction of litter size. *International Journal of Biology and Biomedical Engineering*, 15, 29–35.

Lattos, A., Bitchava, K., Giantsis, I. A., Theodorou, J. A., Batargias, C., & Michaelidis, B. (2021). The implication of vibrio bacteria in the winter mortalities of the critically endangered pinna nobilis. *Microorganisms*, 9(5).

Lattos, A., Chaligiannis, I., Papadopoulos, D., Giantsis, I. A., Petridou, E. I., Vafeas, G., Staikou, A., & Michaelidis, B. (2021). How safe to eat are raw bivalves? Host pathogenic and public health concern microbes within mussels, oysters, and clams in greek markets. *Foods*, 10(11).

Lattos, A., Feidantsis, K., Georgoulis, I., Giantsis, I. A., Karagiannis, D., Theodorou, J. A., Staikou, A., & Michaelidis, B. (2021). Pathophysiological responses of pinna nobilis individuals enlightens the etiology of mass mortality situation in the mediterranean populations. *Cells*, 10(11).

Lazaridou, Th.B., Mavromatis, A.G., & Xynias, I.N. (2021). Effect of culture medium and mannitol pre-treatment on durum wheat anther culture response. *Cytology and Genetics* Vol. 55, No. 6, pp. 590–597. ISSN 0095-4527.

Makri, V., Feidantsis, K., Papadopoulos, D., Lattos, A., Georgoulis, I., Michaelidis, B., & Giantsis, I. A. (2021). Natural-like pigmentation in cultured fish stocks, not only a matter of nutrition. A review of Salmonidae and Sparidae families, with a particular focus on the red porgy *Pagrus pagrus*. *Aquaculture Research*, 52(7), 2942–2953.

Michos, I., Tsantarliotou, M., Boscós, C. M., Tsousis, G., Basioura, A., Tzika, E. D., ... & Tsakmakidis, I. A. (2021). Effect of boar sperm proteins and quality changes on field fertility. *Animals*, 11(6), 1813.

Ninou E, Cook CM, Papathanasiou F, Aschonitis V, Avdikos I, Tsivelikas AL, Stefanou S, Ralli P, Mylonas I. (2021). Nitrogen Effects on the Essential Oil and Biomass Production of Field Grown Greek Oregano (*Origanum vulgare* subsp. *hirtum*) Populations. *Agronomy*. 2021; 11(9):1722.

Paltaki, A., Michailidis, A., Chatzitheodoridis, F., Zaralis, K., & Loizou, E. (2021). Bioeconomy and Livestock Production Nexus: A Bibliometric network analysis. *Sustainability*, 13(22), 12350.

Papadopoulos, D., Petridou, E., Papageorgiou, K., Giantsis, I. A., Delis, G., Economou, V., Frydas, I., Papadopoulos, G., Hatzistylianou, M., & Kritas, S. K. (2021). Phenotypic and molecular patterns of resistance among campylobacter coli and campylobacter jejuni isolates, from pig farms. *Animals*, 11(8).

Papadopoulou, C. I., Loizou, E., Melfou, K., & Chatzitheodoridis, F. (2021). The knowledge based agricultural bioeconomy: A bibliometric network analysis. *Energies*, 14(20), 6823.

Papathanasiou F., Tzotzi A., Koutseri I., Malakou M., Parisi T., Papadopoulos, I. (2021). The effect of direct use of lakeside biomass as soil amendment on the productivity of dry bean crop. *Agriculture and Forestry*, 67(4), 7-14.

Papathanasiou F., Zaralis K., Koutseri I., Malakou M., Papadopoulos A., Pliantza A., Aggelaki M., Karetza V., Papadopoulos, I. (2021). Nutritive value of riparian common reed biomass for ruminants. *Agrofor International Journal*, 6(2) pp. 98-105.

Ragkos A., and Ambas V. 2021, Examining the potential of an irrigation work to improve sustainability in a rural area. *Journal Water Science & Technology Water Supply*, 21(6), pp. 2959–2973.

Tsakmakidis, I. A., Samaras, T., Anastasiadou, S., Basioura, A., Ntemka, A., Michos, I., ... & Boscós, C. M. (2021). Toxic and microbiological effects of iron oxide and silver nanoparticles as additives on extended ram semen. *Animals*, 11(4), 1011.

Valachas, C. A., Giantsis, I. A., Sareli, K., Winter, S., Zelezniakof, E., Pentheroudaki, Z., & Chatzivassiliou, E. K. (2021). Molecular analysis of Greek isolates of cucumber mosaic virus from vegetables shows a low prevalence of satellite RNAs and suggests the presence of host-associated virus strains. *Archives of Virology*, 166(8), 2199–2208.

**2020**

Basioura, A., Michos, I., Ntemka, A., Karagiannis, I., & Boscós, C. M. (2020). Effect of iron oxide and silver nanoparticles on boar semen CASA motility and kinetics. *Journal of the Hellenic Veterinary Medical Society*, 71(3), 2331-2338.

Basioura, A., Tsakmakidis, I. A., Martínez, E. A., Roca, J., Li, J., Molina, M. F., ... & Parrilla, I. (2020). Effect of astaxanthin in extenders on sperm quality and functional variables of frozen-thawed boar semen. *Animal Reproduction Science*, 218, 106478.

Basioura, A., Tsousis, G., Boscós, C., Lymberopoulos, A., & Tsakmakidis, I. (2020). Method agreement between three different chambers for comparative bull semen computer assisted sperm motility analysis. *Polish Journal of Veterinary Sciences*, 325-331.

Feidantsis, K., Giantsis, I. A., Vrastsistas, A., Makri, S., Pappa, A.-Z., Drosopoulou, E., Anestis, A., Mavridou, E., Exadactylos, A., Vafidis, D., & Michaelidis, B. (2020). Correlation between intermediary metabolism, Hsp gene expression, and oxidative stress-related proteins in long-term thermal-stressed *Mytilus galloprovincialis*. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, 319(3), R264–R281.

Fotakis, E. A., Giantsis, I. A., Castells Sierra, J., Tanti, F., Balaska, S., Mavridis, K., Kourtidis, S., Vontas, J., & Chaskopoulou, A. (2020). Population dynamics, pathogen detection and insecticide resistance of mosquito and sand fly in refugee camps, Greece. *Infectious Diseases of Poverty*, 9(1).

Georgiadis L, Zdraveski N, Ambas V. 2020. Biodiversity status and challenges in trans-border hotspots of South-Western Balkans. ISBN: 978-618-84811-0-7.

Giantsis, I. A., Diakakis, N. E., & Avdi, M. (2020). High Frequencies of TNC and COL5A1 Genotypes Associated With Low Risk for Superficial Digital Flexor Tendinopathy in Greek Indigenous Horse Breeds Compared With Warmblood Horses. *Journal of Equine Veterinary Science*, 92.

Gkalitsas, T., & Lazaridou, T.B. (2020). Yield of grain legumes intercropping with cereals in the Florina area in Greece *AGROFOR* Vol. 5, Issue No. 3, 2020 pp 100-104.

Kalogiannidis, S., Melfou, K., & Papaevangelou, O. (2020). Global Marketing Strategic Approaches on Multi National Companies Product Development. *International Journal of Scientific Research and Management*, 8(12), 2084-2090.

Kalogiannidis, S., & Melfou, K. (2020). Issues and opportunities for agriculture sector during global pandemic. *International Journal of Economics, Business and Management Research*, 4(12), pp.204-211. ISSN: 2456-7760.

Karamitros, G., Gkafas, G. A., Giantsis, I. A., Martsikalís, P., Kavouras, M., & Exadactylos, A. (2020). Model-based distribution and abundance of three delphinidae in the mediterranean. *Animals*, 10(2).

Kokkinakis, M. N., Tzatzarakis, M. N., Tsakiris, I., Vardavas, A. I., Vardavas, C. I., Stivaktakis, P., & Kokkinaki, A. (2020). Pesticide Residue Monitoring in the European Union Agricultural Sector via Modern Analytical Techniques. A Review on Organophosphates. *International Journal of Biology and Biomedical Engineering*, 14, 169–179

Kokkinakis, M., Tsakiris, I., Tzatzarakis, M., Vakonaki, E., Alegakis, A., Papachristou, S., Karzi, V., Kokkinaki, A., Goumenou, M., Kallionakis, M., Kalogeraki, A., 2020. Carcinogenic, ethanol, acetaldehyde and noncarcinogenic higher alcohols, esters, and methanol compounds found in traditional alcoholic beverages. A risk assessment approach. *Toxicology Reports* 7, 1057–1065.

Lattos, A., Giantsis, I. A., Karagiannis, D., & Michaelidis, B. (2020). First detection of the invasive Haplosporidian and Mycobacteria parasites hosting the endangered bivalve *Pinna nobilis* in Thermaikos Gulf, North Greece. *Marine Environmental Research*, 155.

Lattos, A., Giantsis, I. A., Karagiannis, D., Theodorou, J. A., & Michaelidis, B. (2020). Gut symbiotic microbial communities in the iucn critically endangered pinna nobilis suffering from mass mortalities, revealed by 16s rrna amplicon ngs. *Pathogens*, 9(12), 1–21.

Manolis, T., Manolis, K., Elisavet, R., Marina, G., Mathaios, K., Elena, V., Alexandra, C., Polychronis, S., Tsakiris I. N., T., Apostolos, R., & Aristidis, T. (2020). Multiresidue analysis of insecticides and fungicides in apples from the Greek market. Applying an alternative approach for risk assessment. *Food and Chemical Toxicology*, 140, 111262.

Mylonas I., Sinapidou E., Remountakis E, Sistanis I., Pankou C., Ninou E., Papadopoulos I., Papathanasiou F., Lithourgidis A., Gekas F., Dordas C., Tsantarmas K., Kargiotidou A., and I. Tokatlidis (2020). Improved Plant Yield Efficiency Alleviates the Erratic Optimum Density in Maize. *Agronomy Journal* ,112(3), 1690-1701.

Papanaoum, G., Bouloumpasi, E., & Lazaridou, T.B. (2020). Silage yield and protein content of forage legumes intercropping with cereals *AGROFOR* Vol. 5, Issue No. 2, 2020 pp 70-74.

Papapanagiotou, A. P., Damalas, C. A., Menexes, G. C., & Eleftherohorinos, I. G. (2020). Resistance levels and chemical control options of sterile oat ( *Avena sterilis* L.) in Northern Greece. *International Journal of Pest Management*, 66(2), 106–115.

Sinapidou E., Pankou C., Gekas F., Sistanis I., Tsantarmas K., Tokamani M., Mylonas I., Papadopoulos I., Kargiotidou A., Ninou E., Papathanasiou F., Sandaltzopoulos R., and I. Tokatlidis (2020). Plant Yield Efficiency by Homeostasis as Selection Tool at Ultra-Low Density. A Comparative Study with Common Stability Measures in Maize. *Agronomy* 2020, 10(8), 1203

Tassis, P. D., Tsakmakidis, I. A., Nagl, V., Reisinger, N., Tzika, E., Gruber-Dorninger, C., ... & Schatzmayr, D. (2020). Individual and combined in vitro effects of deoxynivalenol and zearalenone on boar semen. *Toxins*, 12(8), 495.

Tsakmakidis, I. A., Samaras, T., Anastasiadou, S., Basioura, A., Ntemka, A., Michos, I., ... & Boscós, C. M. (2020). Iron oxide nanoparticles as an alternative to antibiotics additive on extended boar semen. *Nanomaterials*, 10(8), 1568.

Zotou, M., Gkrantounis, P., Karadimou, E., Tsirintanis, K., Sini, M., Poursanidis, D., Azzolin, M., Dailianis, T., Kytinou, E., Issaris, Y., Gerakaris, V., Salomidi, M., Lardi, P., Ramfos, A., Akrivos, V., Spinós, E., Dimitriadis, C., Papageorgiou, D., Lattos, A., ... Katsanevakis, S. (2020). Pinna nobilis in the Greek seas (NE Mediterranean): On the brink of extinction? *Mediterranean Marine Science*, 21(3), 558–574.

## 2019

Basioura, A., Tsousis, G., Boscós, C., Lymberopoulos, A., & Tsakmakidis, I. (2019). Method agreement between three different chambers for comparative boar semen computer-assisted sperm analysis. *Reproduction in Domestic Animals*, 54, 41-45.

Fotakis, E. A., Giantsis, I. A., Avgerinou, A., Kourtidis, S., Agathaggelidou, E., Kapoula, C., Dadakou, G., Vontas, J., & Chaskopoulou, A. (2019). Identification of leishmania species in naturally infected sand flies from refugee camps, Greece. *Emerging Infectious Diseases*, 25(2), 361–364.

Giantsis, I. A., & Chaskopoulou, A. (2019). Broadening the tools for studying sand fly breeding habitats: A novel molecular approach for the detection of phlebotomine larval DNA in soil substrates. *Acta Tropica*, 190, 123–128.

Giantsis, I. A., Exadactylos, A., Feidantsis, K., & Michaelidis, B. (2019). First insights towards the population genetic structure and the phylogeographic status of the horse mussel (*Modiolus barbatus*) from the eastern Mediterranean. *Journal of the Marine Biological Association of the United Kingdom*, 99(5), 1111–1118.

Kargiotidou A., Papathanasiou F., Baxevas D., Vlachostergios D.N., Stefanou S., Papadopoulos I. (2019). Yield and Stability for agronomic and seed quality traits of common bean genotypes under Mediterranean conditions. *Legume Research*, 42(3), 308- 313.

Mesnage, R., Tsakiris, I. N., Antoniou, M. N., & Tsatsakis, A. (2019). Limitations in the evidential basis supporting health benefits from a decreased exposure to pesticides through organic food consumption. *Current Opinion in Toxicology*, 19, 50–55.

Ninou E., Papathanasiou F., Vlachostergios D.N., Mylonas I., Kargiotidou A., Pankou C., Papadopoulos I., Sinapidou E., and I. Tokatlidis (2019). Intense breeding within lentil landraces for high yielding pure lines sustained the seed quality characteristics. *Agriculture*, 9 (8), 175;

Papapanagiotou, A. P., Damalas, C. A., Bosmali, I., Madesis, P., Menexes, G. C., & Eleftherohorinos, I. G. (2019). Galium spurium and G. aparine Resistance to ALS-Inhibiting Herbicides in Northern Greece. *Planta Daninha*, 37, e019207288.

Papathanasiou F., Papadopoulou F. Mylonas I., Ninou E. and Papadopoulos I. (2019). Single-Plant selection at ultra-low density of first generation lines of three bean cultivars under water stress. *Agriculture and Forestry*, 65(4), 27-34.