

## Recent Publications/Πρόσφατες δημοσιεύσεις

[https://scholar.google.com/citations?hl=en&user=HuVs40AAAAJ&view\\_op=list\\_works&sortby=pubdate](https://scholar.google.com/citations?hl=en&user=HuVs40AAAAJ&view_op=list_works&sortby=pubdate)

A. Batrinou, D. Houhoula and E. Papageorgiou. Rapid detection of mycotoxins on foods and beverages with enzyme-linked immunosorbent assay Quality Assurance and Safety of Crops & Foods, 2020; 12 (1): 40–49.

A. Batrinou, I.F. Stratia,, D. Houhoula, J. Tsaknis and V.J. Sinanoglou. Authentication of olive oil based on DNA analysis. a GRASAS Y ACEITES 71 (3)July–September 2020,

A. G. Ioannou, E. Kritsi, V. J. Sinanoglou, D. Cavouras, T. Tsika, D. Houhoula,P. Zoumpoulakis, and I. F. Strati. Highlighting the Potential of Attenuated Total Reflectance–Fourier Transform Infrared (ATR-FTIR) Spectroscopy to Characterize Honey Samples with Principal Component Analysis (PCA) ANALYTICAL LETTERS 2023, VOL. 56, NO. 5, 789–806https://doi.org/10.1080/00032719.2022.2103143

A. Georgas E. Lampas, D.P. Houhoula, A. Skoufias, S. Patsilinakos, I. Tsafaridis, G. P. Patrinos, N. Adamopoulos, A. Ferraro, E. Hristoforou ACE2-based capacitance sensor for rapid native SARS-CoV-2 detection in biological fluids and its correlation with real-time PCR *Biosensors and Bioelectronics* Volume 202, 15 April 2022, 114021

Aliki Tsakni, Archontoula Chatzilazarou, Efstatia Tsakali, Andreas G Tsantes, Jan Van Impe, Dimitra Houhoula. Identification of Bioactive Compounds in Plant Extracts of Greek Flora and Their Antimicrobial and Antioxidant Activity, Separations, 373, 2023.

Amerikanou, C., Dimitropoulou, E., Gioxari, A., Papada, E., Tanaini, A., Fotakis, C., Zoumpoulakis, P., Kaliora, A.C., Linking the IL-17A immune response with NMR-based faecal metabolic profile in IBD patients treated with Mastiha; Biomedicine and Pharmacotherapy (2021) 138, art. no. 111535, DOI: 10.1016/j.biopha.2021.111535

Amerikanou, C., Tagkouli, D., Tsika, T., Lantzouraki, D.Z., Karavoltsos, S., Sakellari, A., Kleftaki, S.-A., Koutrotsios, G., Giannou, V., Zervakis, G.I., Zoumpoulakis, P., Kalogeropoulos, N., Kaliora, A.C. Pleurotus eryngii Chips—Chemical Characterization and Nutritional Value of an Innovative Healthy Snack; Foods (2023) 12 (2), art. no. 353, DOI: 10.3390/foods12020353

Andreas G Tsantes, Dimitrios V Papadopoulos, Stavros Goumenos, Ioannis G Trikoupis, Konstantina A Tsante, Vanesa Bellou, Panagiotis Koulouvaris, Dimitra Houhoula, Anastasios Kriebardis, Daniele Piovani, Georgios K Nikolopoulos, Andreas F Mavrogenis, Panayiotis J Papagelopoulos, Stefanos Bonovas, Argirios E Tsantes A Pilot Observational Study Evaluating the Diagnostic Capacity of Rotational Thromboelastometry in Periprosthetic Joint Infections 2023/12/20105Τεύχος 4 Σελίδες 1980-1986

Andreas G Tsantes, Ilectra Loukopoulos, Dimitrios V Papadopoulos, Ioannis G Trikoupis, Rozeta Sokou, Konstantina A Tsante, Petros G Mantzios, Georgios K Nikolopoulos, Panagiotis Kouluvaris, Dimitra Houhoula, Daniele Piovani, Panayiotis J Papagelopoulos, Stefanos Bonovas, Argirios E Tsantes. Fibrinolysis shutdown and elevated D-dimer levels have high prognostic capacity for postoperative thromboembolic complications in patients with bone tumors. *Journal of Thrombosis and Thrombolysis* 55 536-544

Andreas G. Tsantes , Ilectra Loukopoulos , Dimitrios V. Papadopoulos, Ioannis G. Trikoupis, Anastasios G. Roustamis, Stavros Goumenos, Rozeta Sokou, Konstantina A. Tsante, Anastasios G. Kriebardis, Panagiotis Kouluvaris, Dimitra Houhoula, Daniele Piovani, Panayiotis J. Papagelopoulos, Stefanos Bonovas and Argirios E. Tsantes. The Hypercoagulable Profile of Patients with Bone Tumors: A Pilot Observational Study Using Rotational Thromboelastometry *Cancers* 2022, 14(16), 3930; <https://doi.org/10.3390/cancers14163930>

Andreas G. Tsantes, Dimitrios V. Papadopoulos , Eleftheria Markou, Konstantinos Zarokostas, Rozeta Sokou, Ioannis Trikoupis, Andreas F. Mavrogenis, Dimitra Houhoula, Daniele Piovani, Stefanos Bonovas Argirios E. Tsantes, Athanasios Tsakris and Georgia Vrioni. Aspergillus spp. osteoarticular infections: an updated systematic review on the diagnosis, treatment and outcomes of 186 confirmed cases. *Medical Mycology*, Volume 60, Issue 8, August 2022, myac052, <https://doi.org/10.1093/mmy/myac052>.

Andreas G. Tsantes, Aikaterini Konstantinidi, Stavroula Parastatidou, Georgios ioakeimidis, Konstantina A. Tsante, Petros G. Mantzios, Anastasios G. Kriebardis, Argyri Gialeraki , Dimitra Houhoula, Nicoletta Iacovidou, Daniele Piovani, Stefanos Bonovas, Argirios E. Tsantes, Rozeta Sokou Assessment of agreement between EXTEM and NATEM thromboelastometry measurement assays in critically ill neonates. First published: 11 June 2022 *Haematology* <https://doi.org/10.1111/ehj.13812>

Andreas G. Tsantes,† , Stavroula Parastatidou, Emmanuel A. Tsantes, Elli Bonova, Konstantina A. Tsante, Petros G. Mantzios, Aristeidis G. Vaiopoulos, Stavros Tsallas, Aikaterini Konstantinidi, Dimitra Houhoula, Nicoletta Iacovidou, Daniele Piovani, Georgios K. Nikolopoulos and Rozeta Sokou. Sepsis-Induced Coagulopathy: An Update on Pathophysiology, Biomarkers, and Current Guidelines *Life* 2023, 13(2), 350; <https://doi.org/10.3390/life13020350>

Andreou, V., Strati, I.F., Fotakis, C., Liouni, M., Zoumpoulakis, P., & Sinanoglou\*, V.J. (2018). Herbal distillates: A new era of grape marc distillates with enriched antioxidant profile. *Food Chemistry*, 253, 171-178. (IF: 5.399).

Andriana E. Lazou\*, Eris-Marina Tsompanidou, Tarsia Provata, Georgios Anastasiadis, Natalia A. Stavropoulou, 2024. Effect of Hypericum perforatum flour addition on quality characteristics and acceptability of potentially stress-relief cakes, *Food Research*, Ms No FR-2024-008, accepted for publication, under prof reading.

Andriana E. Lazou\*, Kyriaki Chatzimichail, Panagiota-Kyriaki Revelou, Petros Tarantilis, Styliani Protonotariou, Ioanna Mandala and Irini F. Strati, 2024. Effect of the storage process on quality characteristics of hemp enriched "tsoureki" a rich-dough baked Greek product. *Journal of Food Science*, Ms No. JFDS-2023-1865.R1 accepted for publication.

*Andriana E. Lazou, Panagiota-Kyriaki Revelou, Spiridoula Kougioumtzoglou, Irini F. Strati, Anastasia Kanellou, Anthimia Batrinou, 2024. Cultured meat: A survey of awareness among Greek consumers[J]. AIMS Agriculture and Food, 9(1): 356-373. doi: 10.3934/agrfood.2024021*

*Andriana Lazou\*, Georgios Anastasiadis, Tarsia Provata, Zoi Koliou, Styliani Protonotariou. 2022. Utilization of industrial hemp by-product defatted seed flour: effect of its incorporation on the properties and quality characteristics of "tsoureki," a rich-dough baked Greek product. Journal of the Science of Food and Agriculture, 2023. 103 (8): p. 3984-3996.*

Anthimia Batrinou , Irini F. Strati , Andreas G. Tsantes , Joseph Papaparaskevas , Ioannis Dimou , Dimitrios Vourvidis , Anna Kyrma, Dionysis Antonopoulos , Panagiotis Halvatsiotis and Dimitra Houhoula. The Importance of Complementary PCR Analysis in Addition to Serological Testing for the Detection of Transmission Sources of Brucella spp. in Greek Ruminants *Vet. Sci.* 2022, 9(4), 193; <https://doi.org/10.3390/vetsci9040193>

Apollon Thomas , Spyros J. Kontoles , Sotiris Ouzounis , Spyros Papatheodorou, Aliki Tsakni , Dimitra Houhoula Theofania Tsironi. Bacterial community in response to packaging conditions in farmed gilthead seabream. *Aquaculture and Fisheries* 8 (2021) 410–421

Apostolos Z Skouras, Dimitrios Antonakis-Karamintzas, Charilaos Tsolakis, Argirios E Tsantes, Georgia Kourlaba, Ioannis Zafeiris, Fotini Soucacos, Georgios Papagiannis, Athanasios Triantafyllou, Dimitra Houhoula, Olga Savvidou, Panagiotis Koulovaris. Pre-and Postoperative Exercise Effectiveness in Mobility, Hemostatic Balance, and Prognostic Biomarkers in Hip Fracture Patients: A Study Protocol for a Randomized Controlled Trial. *Biomedicines*, 1263

Archontoula Giannakopoulou, Alexandra V. Chatzikonstantinou, Aliki Tsakni, Christos L. Chochos, Dimitra Houhoula & Haralambos Stamatis. A Bi-enzymatic Immobilized Nanobiocatalyst for the Biotransformation of Oleuropein to Hydroxytyrosol *Multienzymatic Assemblies* 6/11/22 pp 279–296

Charalampia Amerikanou, Evdokia Valsamidou, Sotirios Karavoltos, Dimitra Tagkouri, Aikaterini Sakellari, Maria Kontou, Dimitra Houhoula, Nick Kalogeropoulos, Panagiotis Zoumpoulakis, Andriana C Kaliora, Circulating Copper Is Associated with Inflammatory Biomarkers in Greek Older Adults with Osteoarthritis, *Biological Trace Element Research*, 1-12

Cristea, Ramona Maria; Sava, Camelia; Căpățână, Ciprian; Kanellou, Anastasia; Phytochemical Analysis and Specific Activities of Bark and Flower Extracts from Four Magnolia Plant Species, *Horticulturae*, 10, 2, 141, 2024, MDPI

Deborah M Power, Petros Taoukis, Dimitra Houhoula, Theofania Tsironi Emmanouil Flemetakis. Integrating omics technologies for improved quality and safety of seafood products, *Aquaculture and Fisheries* 8 (2023) 457–462

Despina Vougiouklaki , Theofania Tsironi , Joseph Papaparaskevas , Panagiotis Halvatsiotis and Dimitra Houhoula. Characterization of *Lacticaseibacillus rhamnosus*, *Levilactobacillus brevis* and *Lactiplantibacillus plantarum* Metabolites and Evaluation of Their Antimicrobial

Activity against Food Pathogens *Appl. Sci.* 2022, 12(2), 660;  
<https://doi.org/10.3390/app12020660>

Despina Vougiouklaki, Dionysios Antonopoulos, Stella Allexeli & Dimitra Houhoula  
.Identification of Polymorphisms of Gene CSN2 of B Casein in Greek Cow Breeds (Holstein)  
Restriction Fragment Length Polymorphism Journal of Agricultural Science; Vol. 12, No. 11;  
2020.

Despina Vougiouklaki, Klaudio Loka, Aliki Tsakni and Dimitra Houhoula Characterization of Metabolites Production by *Lactobacillus Gasseri* ATCC 33323 and Antioxidant Activity. *Nutri Food Sci Int J* 11(3): NFSIJ.MS.ID.555815 (2022).

Despina Vougiouklaki, Sophia Letsiou, Iliana Mavrokefalidou, Efstathia Tsakali, Simen Akkermans, Jan FM Van Impe, Dimitra Houhoula Fermentation of Kalamata Natural Black Olives Using Selected Lactic Acid Bacteria as Starters 2024/1/11 Fermentation 10

Despina Vougiouklaki, Theofania Tsironi, Andreas G Tsantes, Efstathia Tsakali, Jan FM Van Impe, Dimitra Houhoula, Probiotic Properties and Antioxidant Activity In Vitro of Lactic Acid Bacteria, *Microorganisms*, 1264

Dimitra Karkani, Antonios Georgas, Dimitra P Houhoula, Angelo Ferraro, Evangelos Hristoforou. Preliminary Results of the Development of a DNA-Hybridization-Based Biosensor for the Detection of Milk Adulteration Using Gold Interdigitated Electrodes, Engineering Proceedings, 9

Dimitrakopoulou, E.I., Pouliakis, A., Falaina, V., Xanthos, T., Zoumpoulakis, P., Tsakala, T., Sokou, R., Iliodromiti, Z., Boutsikou, T., Iacovidou, N., The Metagenomic and Metabolomic Profile of the Infantile Gut: Can They Be “Predicted” by the Feed Type?; Children (2022) 9 (2), art. no. 154, DOI: 10.3390/children9020154

Dionysios Antonopoulos , Despina Vougiouklaki , George P. Laliotis , Theofania Tsironi , Irene Valasi, Archodoula Chatzilazarou, Panagiotis Halvatsiotis and Dimitra Houhoula. Identification of Polymorphisms of the CSN2 Gene Encoding β-Casein in Greek Local Breeds of Cattle *Vet. Sci.* 2021, 8(11), 257; <https://doi.org/10.3390/vetsci8110257>

Efstathia Tsakali , Christina Agkastra, Christina Koliaki, Dimitrios Livanios, Spiridon Andreas Papatheodorou, Valentini Stefanou Spiridon Koulouris, Stamatis Koussisis, Jan Van Impe and Dimitra Houhoula. 2019. Milk adulteration: Detection of bovine milk in caprine dairy products by PCR. *Journal of Food Research* 8 (4), 52-57.

Efstathia Tsakali, Andreas G Tsantes, Dimitra Houhoula, George P Laliotis, Anthimia Batrinou, Panagiotis Halvatsiotis, Argyrios E Tsantes The Detection of Bacterial Pathogens, including Emerging *Klebsiella pneumoniae*, Associated with Mastitis in the Milk of Ruminant Species *Applied Sciences* 13(2023) /10/1911484.

Efstathia Tsakali, Rakesh Aggarwal, Dimitra Houhoula, Spiridon Konteles, Athimia Batrinou, Davy Verheyen, Jan FM Van Impe, Arhontoula Chatzilazarou Lactoferrin in breast milk-based powders 2023/11 *Journal Of Dairy Research* (90) 4 409-412

Elena Gkantzou, Anastasia Skonta, Aliki Tsakni, Angeliki Polydera, Dimitrios Moschovas, Konstantinos Spyrou, Apostolos Avgeropoulos, Dimitrios Gournis, Dimitra Houhoula, Haralambos Stamatis D printed PLA enzyme microreactors: Characterization and application for the modification of bioactive compounds *Journal of Biotechnology* 350 (2022) 75–85

Eleni Spanea, Theofania Tsironi, Efstathia Tsakali, Anthimia Batrinou, Valentina Stefanou, Dionyssios Antonopoulos, Stamatis Koussisis, John Tsaknis, Jan Van Impe & Dimitra Houhoula Evaluation of a Real Time PCR assay method for the detection of genetically modified organisms in food products *Journal of Food Research Journal of Food Research*; Vol. 9, No. 2; 2020.

Falaina, V., Fotakis, C., Boutsikou, T., Tsiaka, T., Moros, G., Ouzounis, S., Andreou, V., Iliodromiti, Z., Xanthos, T., Vandenplas, Y., Iacovidou, N., Zoumpoulakis, P., Urine Metabolomic Profile of Breast- versus Formula-Fed Neonates Using a Synbiotic-Enriched Formula; *International Journal of Molecular Sciences* (2022) 23 (18), art. no. 10476, DOI: 10.3390/ijms231810476

Fortis, S. P., Batrinou, A., Georgatzakou, H. T., Tsamesidis, I., Alvanidis, G., Papageorgiou, E. G., & Kriebardis, A. G. (2024). Effect of silica-based mesoporous nanomaterials on human blood cells. *Chemico-Biological Interactions*, 387, 110784.

Fotakis, C., Moros, G., Kontogeorgou, A., Iacovidou, N., Boutsikou, T., Zoumpoulakis, P., Uncontrolled Thyroid during Pregnancy Alters the Circulative and Exerted Metabolome; *International Journal of Molecular Sciences* (2022) 23 (8), art. no. 4248, DOI: 10.3390/ijms23084248

Fotakis, C., Tsigrimani, D., Tsiaka, T., Lantzouraki, D.Z., Strati, I.F., Makris, C., Tagkouli, D., Proestos, C., Sinanoglou\*, V.J., Zoumpoulakis\* P. (2016). Metabolic and antioxidant profiles of herbal infusions and decoctions. *Food Chemistry*, 211, 963-971. (I F: 5.399).

George P Laliotis, Anthimia Batrinou, Maria Giannakourou, E Tsakali, Sophia Letsiou, Panagiotis Halvatsiotis, Simen Akkermans, Jan Van Impe, Niki C Maragou, Dimitra Houhoula Detection of Authentication of Meat Products by Low Cost Closed-tube Molecular Methods *Journal of Food Research* 12 (4) 1-61 2023

Georgia Nikolopoulou 1 , Theofania Tsironi 2 , Panagiotis Halvatsiotis 3 , Ekaterini Petropoulou 4 , Nikolaos Genaris 4 , Despina Vougiouklaki 4 , Dionyssios Antonopoulos 4 , Apollon Thomas 4 , Anastasia Tsilia 5 , Anthimia Batrinou 4 , Efstathia Tsakali 4,6,\* , Jan F. M. Van Impe 6 and Dimitra Houhoula Analysis of the Major Probiotics in Healthy Women's Breast Milk by Realtime PCR. Factors Affecting the Presence of Those Bacteria *Appl. Sci.* 2021, 11(20), 9400; <https://doi.org/10.3390/app11209400>

*Giannakourou M.C., Lazou A.E., Dermesonlouoglou E.K., 2020. Optimization of Osmotic Dehydration of Tomatoes in Solutions of Non-Conventional Sweeteners by Response Surface Methodology and Desirability Approach. Foods*, 9, 1393.

Giannakourou, M. C., Poulis, S., Konteles, S. J., Dipla, A., Lougovois, V. P., Kyrrana, V., Proestos, C., & Sinanoglou, V. J. (2021). Combined Effect of Impregnation with an Origanum

*vulgare* Infusion and Osmotic Treatment on the Shelf Life and Quality of Chilled Chicken Fillets. *Molecules*, 26(9).

Giannakourou, M. C., Stavropoulou, N., Tsironi, T., Lougovois, V., Kyrana, V., Konteles, S. J., & Sinanoglou, V. J. (2023). Application of hurdle technology for the shelf-life extension of European eel (*Anguilla anguilla*) fillets. *Aquaculture and Fisheries*, 8(4), 393–402.  
<https://doi.org/10.1016/j.aaf.2020.10.003>

Giannakourou, M., Strati, I.F., Kriebardis, A.G., Mantanika, V., Poulis, S., Zoumpoulakis, P., Sinanoglou\*, V.J. (2019). Shelf life extension and quality improvement of cucumber slices impregnated in infusions of edible herbs. *Analytical Letters*.  
<https://doi.org/10.1080/00032719.2019.1589476>. (I F: 1.248).

Giannakourou, M., Strati, I.F., Manika, E.M., Resiti, V., Tataridis, P., Zoumpoulakis, P., Sinanoglou\*, V.J. (2018). Assessment of Phenolic Content, Antioxidant Activity, Colour and Sensory Attributes of Wood Aged “Tsiptouro”. *Current Research in Nutrition and Food Science*, 6(2), 318-328. (I F: 0.24).

Giannakourou, M.C., Poulis, S., Konteles, S.J., Dipla, A., Lougovois, V., Kyrana, V., Proestos, C. and Sinanoglou\*, V.J. (2021). Combined Effect of Impregnation with an *Origanum vulgare* Infusion and Osmotic Treatment on the Shelf Life and Quality of Chilled Chicken Fillets. *Molecules* 26, 2727.

Giannakourou, M.C., Tsironi, T., Thanou, I., Tsagri, A.M., Katsavou, E., Lougovois, V., Kyrana, V., Kasapidis, G. and Sinanoglou, V.J., (2019). Shelf Life Extension and Improvement of the Nutritional Value of Fish Fillets through Osmotic Treatment Based on the Sustainable Use of *Rosa damascena* Distillation By-Products. *Foods*, 8(9), p.421. (I F: 3.011).

Houhoula, D., Papatheodorou, S.A., Moschou D., Pappa S., Tsaatazoglou N., Koussisis, S., Tsaknis, J., Lougovois, V., Van Impe, J., Tsakali, E. Evaluation of a Real Time PCR assay and a ELISA method for the Detection of walnuts and almonds allergen traces in food products. *Journal of Food Research* Vol. 8, No. 3, June 2019.

Ioannou, A. G., Krtsi, E., Sinanoglou, V. J., Cavouras, D., Tsiaka, T., Houhoula, D., Zoumpoulakis, P. & Strati, I. F. (2023). Highlighting the Potential of Attenuated Total Reflectance–Fourier Transform Infrared (ATR-FTIR) Spectroscopy to Characterize Honey Samples with Principal Component Analysis (PCA). *Analytical Letters*, 1-18.

Jose Manuel Llopis Ortiz, Christos Tsouknidas, Sophie Pytel, Spyros Papatheodorou, Efstathia Tsakali, Valentina Stefanou, Nikolaos Solomakos, Jan Van Impe, and Dimitra P. Houhoula. Effectual Gold Nanoprobe Sensor for Screening Cow Milk Adulteration in Goat Milk. *Journal of Agricultural Science*; Vol. 13, No. 5; 2021.

Kanellou, Anastasia; Papatesta, Eleni Maria; Martimianaki, Georgia; Peppa, Eleni; Stratou, Maria; Trichopoulou, Antonia; Dietary supplement use in Greece: methodology and findings from the National Health and Nutrition Survey–HYDRIA (2013–2014), *British Journal of Nutrition*, 129, 2174-2181, 2023, Cambridge University Press

Katerina Pyrovolou, Panagiotis Tataridis, Panagiota-Kyriaki Revelou, Irini F Strati, Spyros J Konteles, Petros A Tarantilis, Dimitra Houhoula, Anthimia Batrinou Fermentation of a Strong Dark Ale Hybrid Beer Enriched with Carob (*Ceratonia siliqua* L.) Syrup with Enhanced Polyphenol Profile 2024/1/31 Applied Sciences Τόμος 14 Τεύχος 3 1199

*Katsoufi, S., Lazou, A.E.\* Giannakourou, M.C. and Krokida, M.K., 2020. Air drying kinetics and quality characteristics of osmodehydrated-candied pumpkins using alternative sweeteners. Drying Technology, pp.1-12.*

Kavga, A., Strati, I. F., Sinanoglou, V. J., Fotakis, C., Sotiroudis, G., Christodoulou, P., & Zoumpoulakis, P. (2019). Evaluating the experimental cultivation of peppers in low-energy-demand greenhouses. An interdisciplinary study. *Journal of the Science of Food and Agriculture*, 99(2), 781-789. (I F: 2.463).

Kleftaki, S.-A., Amerikanou, C., Gioxari, A., Lantzouraki, D.Z., Sotiroudis, G., Tsiantas, K., Tsiaka, T., Tagkouli, D., Tzavara, C., Lachouvaris, L., Zervakis, G.I., Kalogeropoulos, N., Zoumpoulakis, P., Kaliora, A.C. A Randomized Controlled Trial on Pleurotus eryngii Mushrooms with Antioxidant Compounds and Vitamin D2 in Managing Metabolic Disorders; *Antioxidants* (2022) 11 (11), art. no. 2113, DOI: 10.3390/antiox11112113

Kokla, V., Batrinou, A., Papatheodorou, S., Houhoula, D., Panagiaris, G., Tselikas, A., & Karabotsos, A. (2023). Application of imaging spectroscopy, SEM-EDS and DNA analysis for monitoring the preservation status of a manuscript of the first decade of 19th century. *The European Physical Journal Plus*, 138(10), 877.

Konteles, S. J., Strati, I. F., Giannakourou, M., Batrinou, A., Papadakis, S., Ourailoglu, D., ... & Sinanoglou, V. J. (2022). Instant Herbal Powder: Functionality Assessment through Chemical, Microbiological and Shelf Life Kinetics. *Analytical Letters*, 55(9), 1505-1516.

Koutrotsios, G., Tagkouli, D., Bekiaris, G., Kaliora, A., Tsiaka, T., Tsiantas, K., Chatzipavlidis, I., Zoumpoulakis, P., Kalogeropoulos, N., Zervakis, G.I. Enhancing the nutritional and functional properties of Pleurotus citrinopileatus mushrooms through the exploitation of winery and olive mill wastes; *Food Chemistry* (2022) 370, art. no. 131022, DOI: 10.1016/j.foodchem.2021.131022

Kritsi, E., Ladika, G., Stavropoulou, N. A., Oikonomakou, M., Ioannou, A. G., Christodoulou, P., ... & Sinanoglou\*, V. J. (2024). Evaluation of the Quality Changes in Three Commercial Pastourma Samples during Refrigerated Storage Using Physicochemical, Microbiological, and Image Analyses Combined with Chemometrics. *Foods*, 13(7), 1017.

Kritsi, E., Liggi, P.G.V., Stamati, E.C.V., Tsitsanou, K.E., Zographos, S.E., Michaelakis, A., Papachristos, D., Zoumpoulakis, P., A Combined Computational Methodology for the Discovery of Hit Compounds with Putative Insect Repellency Properties; *ChemMedChem* (2022) 17 (16), art. no. e202200271, DOI: 10.1002/cmdc.202200271

Kritsi, E., Tsiaka, T., Ioannou, A. G., Mantanika, V., Strati, I. F., Panderi, I., ... & Sinanoglou, V. J. (2022). In Vitro and In Silico Studies to Assess Edible Flowers' Antioxidant Activities. *Applied Sciences*, 12(14), 7331.

Kritsi, E., Tsiaka, T., Sotiroudis, G., Mouka, E., Aouant, K., Ladika, G., Zoumpoulakis, P., Cavouras, D. & Sinanoglou, V. J. (2023). Potential Health Benefits of Banana Phenolic Content during Ripening by Implementing Analytical and In Silico Techniques. *Life*, 13(2), 332.

Ladika, G., Strati, I. F., Tsiaka, T., Cavouras, D., & Sinanoglou\*, V. J. (2024). On the Assessment of Strawberries' Shelf-Life and Quality, Based on Image Analysis, Physicochemical Methods, and Chemometrics. *Foods*, 13(2), 234.

Laliotis, G. P., Batrinou, A., Giannakourou, M., Tsakali, E., Letsiou, S., Halvatsiotis, P., ... & Houhoula, D. (2023). Detection of Authentication of Meat Products by Low Cost Closed-tube Molecular Methods. *Journal of Food Research*, 12(4), 1-61.

*Lazou A. \*, Nikolidaki E., Karathanos V., Zogzas N. 2020. Thermal properties of Corinthian currant pastes as affected by storage. J Food Processing and Preservation. 2020; 44:e14755.*

*Lazou A.E. \*, 2024. Properties, structure and acceptability of innovative legume-based biscuits with alternative sweeteners, International Journal of Food Science, Hindawi, Volume 2024, <https://doi.org/10.1155/2024/8216796>.*

*Lazou A.E., Dermesonlouoglou E.K. & Giannakourou, M.C. 2020. Modeling and Evaluation of the Osmotic Pretreatment of Tomatoes (*S. lycopersicum*) with Alternative Sweeteners for the Production of Candied Products. *Food Bioprocess Technol* 13, 948–96.*

Lazou, A. E., Revelou, P. K., Kougioumtzoglou, S., Strati, I. F., Kanellou, A., & Batrinou, A. (2024). Cultured meat: A survey of awareness among Greek consumers. *AIMS Agriculture and Food*, 9(1), 356-373.

*Lazou, A.E. \* 2022. Food extrusion: An advanced process for innovation and novel product development. Critical Reviews in Food Science and Nutrition: p. 1-29.*

Lazou, Andriana E; Revelou, Panagiota-Kyriaki; Kougioumtzoglou, Spiridoula; Strati, Irini F; Kanellou, Anastasia; Batrinou, Anthimia; Cultured meat: A survey of awareness among Greek consumers, *AIMS Agriculture and Food*, 9, 1, 356-373, 2024,

Letsiou, S., Pyrovolou, K., Konteles, S. J., Trapali, M., Krisilia, S., Kokla, V., ... & Batrinou, A. (2024). Exploring the Antifungal Activity of Various Natural Extracts in a Sustainable *Saccharomyces cerevisiae* Model Using Cell Viability, Spot Assay, and Turbidometric Microbial Assays. *Applied Sciences*, 14(5), 1899.

Maria Trapali, Dimitra Houhoula, Anthimia Batrinou , Anastasia Kanellou , Irini F. Strati , Argyris Siatelis and Panagiotis Halvatsiotis. Association of TNF- $\alpha$ - 308G/A and LEPR Gln223Arg Polymorphisms with the Risk of Type 2 Diabetes Mellitus. *Genes* 2022, 13(1), 59; <https://doi.org/10.3390/genes13010059>.

Moros, G., Boutsikou, T., Fotakis, C., Iliodromiti, Z., Sokou, R., Katsila, T., Xanthos, T., Iacovidou, N., Zoumpoulakis, P., Insights into intrauterine growth restriction based on maternal and umbilical cord blood metabolomics; *Scientific Reports* (2021) 11 (1), art. no. 7824, DOI: 10.1038/s41598-021-87323-7

Nikolaos Vrachnis, Nikolaos Loukas, Nikolaos Antonakopoulos, Niki Maragou, Marios Kostakis, Aliki Tsakni, Dionysios Vrachnis, Despina Vougiouklaki, Nikolaos Machairiotis, Arhodoula Chatzilazarou, Dimitra Houhoula, Rozeta Sokou, Sofoklis Stavros, Peter Drakakis, George Mastorakos, Zoi Iliodromiti Detection and Quantification of Acrylamide in Second Trimester Amniotic Fluid Using a Novel LC-MS/MS Technique to Determine Whether High Acrylamide Content during Pregnancy Is Associated with Fetal Growth 2023/11/13 *Biology* 12 (11) 1425.

Nikoletta Argyro Theocharidi, Iliana Balta, Dimitra Houhoula, Andreas G. Tsantes , George P. Lalliotis , Angeliki C. Polydera , Haralambos Stamatis and Panagiotis Halvatsiotis High Prevalence of Klebsiella pneumoniae in Greek Meat Products: Detection of Virulence and Antimicrobial Resistance Genes by Molecular Techniques *Foods* 2022, 11(5), 708; <https://doi.org/10.3390/foods11050708>

Panagiotis Halvatsiotis , Eleni Routsi , Michail Papapanou , Argyris Siatelis, Konstantinos Asonitis , Konstantinos Gkarelis , Panagiotis Koulouvaris , Ekatherina Charvalos and Dimitra Houhoula. High Resolution Melting Curve for the Rapid and Efficient Detection of SARS-CoV-2 Gene Variation in the Greek Population *Biomedical Journal of Scientific and Technical Research* Volume 39- Issue 3 DOI: 10.26717/BJSTR.2021.39.006291.

Panagiotis Halvatsiotis, Argyris Siatelis, Panagiotis Koulouvaris, Anthimia Batrinou, Despina Vougiouklaki, Eleni Routsi, Michail Papapanou, Maria Trapali, Dimitra Houhoula Comparison of Q223R leptin receptor polymorphism to the leptin gene expression in Greek young volunteers 2021 *AIMS Medical Science*.

Panagiotis Halvatsiotis, Sofia Vassiliu , Panagiotis Koulouvaris , Kalliopi Chatzantonaki, Konstantinos Asonitis , Ekatherina Charvalos, Argyris Siatelis and Dimitra Houhoula Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Mutational Pattern in the Fourth Pandemic Phase in Greece *Curr. Issues Mol. Biol.* 2022, 44(1), 329-335; <https://doi.org/10.3390/cimb44010024>.

Panagiotis Papadakis, Spyros Konteles, Anthimia Batrinou, Sotiris Ouzounis , Theofania Tsironi, Panagiotis Halvatsiotis, Efstatia Tsakali , Jan F. M. Van Impe , Despina Vougiouklaki , Irini F. Strati and Dimitra Houhoula. Characterization of Bacterial Microbiota of P.D.O. Feta Cheese by 16S Metagenomic Analysis *Microorganisms* 2021, 9(11), 2377; <https://doi.org/10.3390/microorganisms9112377> .

Papatesta, Eleni Maria; Kanellou, Anastasia; Peppa, Eleni; Trichopoulou, Antonia; ,Is Dietary (Food) Supplement Intake Reported in European National Nutrition Surveys?,*Nutrients*,15,24,5090,2023,MDPI

Paschalia Kopanou Taliaka, Andreas G. Tsantes, Aikaterini Konstantinidi, Dimitra Houhoula, Konstantina A. Tsante , Aristeidis G. Vaiopoulos, Daniele Piovani, Georgios K. Nikolopoulos, Stefanos Bonoras, Nicoletta Iacovidou, Argirios E. Tsantes and Rozeta Sokou. Risk Factors, Diagnosis, and Treatment of Neonatal Fungal Liver Abscess: A Systematic Review of the Literature *Life* 2023, 13(1), 167; <https://doi.org/10.3390/life13010167>

Petroula Georgiadou, Rozeta Sokou , Andreas G. Tsantes , Stavroula Parastatidou , Aikaterini Konstantinidi , Dimitra Houhoula , Styliani Kokoris , Nicoletta Iacovidou and Argirios E. Tsantes. The Non-Activated Thromboelastometry (NATEM) Assay's Application among Adults and Neonatal/Pediatric Population: A Systematic Review *2Diagnostics* 2022, 12(3), 658; <https://doi.org/10.3390/diagnostics12030658>

Pyrovolou, K., Tataridis, P., Revelou, P. K., Strati, I. F., Konteles, S. J., Tarantilis, P. A., ... & Batrinou, A. (2024). Fermentation of a Strong Dark Ale Hybrid Beer Enriched with Carob (*Ceratonia siliqua* L.) Syrup with Enhanced Polyphenol Profile. *Applied Sciences*, 14(3), 1199.

Renia Fotiadou, Dimitrios Lefas, Despina Vougiouklaki, Aliki Tsakni, Dimitra Houhoula, Haralambos Stamatis Enzymatic Modification of Pomace Olive Oil with Natural Antioxidants: Effect on Oxidative Stability, *Biomolecules*, 1034

Rozeta Sokou, Aikaterini Konstantinidi, Konstantina A. Tsante, Andreas G. Tsantes , Stavroula Parastatidou, Georgios Ioakeimidis, Maria Lampridou, Frantzeska Frantzeskaki, Dimitra Houhoula, Anastasios G. Kriebardis, Daniele Piovani, Stefanos Bonovas, Nicoletta Iacovidou, Argirios E. Tsantes. The impact of maternal smoking during pregnancy on hemostatic profile of neonates using thromboelastometry (ROTEM). A pilot observational study *Placenta* Volume 129, November 2022, Pages 23-29

Rozeta Sokou, Andreas G Tsantes, Maria Lampridou, Konstantina A Tsante, Dimitra Houhoula, Daniele Piovani, Stefanos Bonovas, Theodora Boutsikou, Zoi Iliodromiti, Nicoletta Iacovidou, Argirios E Tsantes, Aikaterini Konstantinidi Thromboelastometry and prediction of in-hospital mortality in neonates with sepsis 2024/2 International Journal of Laboratory Hematology 46 1 113-119.

Rozeta Sokou, Petros Mantzios, Andreas G Tsantes, Stavroula Parastatidou, Georgios Ioakeimidis, Maria Lampridou, Styliani Kokoris, Nicoletta Iacovidou, Dimitra Houhoula, Aristeidis G Vaiopoulos, Daniele Piovani, Stefanos Bonovas, Argirios E Tsantes, Aikaterini Konstantinidi Assessment of hemostatic profile in neonates with necrotizing enterocolitis using Rotational Thromboelastometry (ROTEM) 2023/12/14 Pediatric Research 1-7

Rozeta Sokou, Stavroula Parastatidou, Aikaterini Konstantinidi, Georgios Ioakeimidis, Andreas G Tsantes, Dimitra Houhoula, Nicoletta Iacovidou, Argirios E Tsantes. Neonatal hematological parameters: the translational aspect of developmental hematopoiesis. Annals of Hematology 707-714

Rozeta Sokou<sup>1,†\*</sup>, Georgios Ioakeimidis<sup>1,†</sup>, Daniele Piovani<sup>2,3</sup>, Stavroula Parastatidou<sup>1</sup>, Aikaterini Konstantinidi<sup>1</sup>, Andreas G. Tsantes<sup>4</sup>, Maria Lampridou<sup>1</sup>, Dimitra Houhoula<sup>4</sup>, Nicoletta Iacovidou<sup>5</sup>, Styliani Kokoris<sup>4</sup>, Aristeidis G. Vaiopoulos<sup>4</sup>, Argyri Gialeraki<sup>4</sup>, Petros Kopterides<sup>6</sup>, Stefanos Bonovas<sup>2,3</sup> and Argirios E. Tsantes Development and validation of a sepsis diagnostic scoring model for neonates with suspected sepsis 2022 Frontiers in Pediatrics.

Savvidou, M.G., Tsiaka, T., Zoumpoulakis, P., Maggiorou, E., Tyrovolas, K., Molino, A., Hristoforou, E., Ferraro, A., Separation and Concentration of Astaxanthin and Lutein from



Microalgae Liquid Extracts Using Magnetic Nanoparticles; *Magnetochemistry* (2022) 8 (8), art. no. 80, DOI: 10.3390/magnetochemistry8080080

Sinanoglou V.J., Zoumpoulakis P., Fotakis C., Kalogeropoulos N., Sakellari A., Karavoltsos S. and Strati I.F. (2018). On the Characterization and Correlation of Compositional, Antioxidant and Colour Profile of Common and Balsamic Vinegars. *Antioxidants*, 2018, 7, 139. (I F: 4.520).

Sinanoglou\* V.J., Kavga, A., Strati I.F., Sotiroudis, G., Lantzouraki, D.Z. & Zoumpoulakis, P. (2019). Effects of infrared radiation on eggplant (*Solanum melongena* L.) greenhouse cultivation and fruits' phenolic profile. *Foods* 8 (12), 630 DOI 10.3390/foods8120630 (I F: 3.011).

Sinanoglou\*, V. J., Cavouras, D., Xenogiannopoulos, D., Proestos, C., & Zoumpoulakis, P. (2018). Quality Assessment of Pork and Turkey Hams Using FT-IR Spectroscopy, Colorimetric, and Image Analysis. *Foods*, 7(9), 152. (I F: 3.011).

Sinanoglou\*, V.J., Cavouras, D., Boutsikou, T., Briana, D.D., Lantzouraki, D.Z., Paliatsiou, S., Volaki, P., Bratakos, S., Malamitsi-Puchner, A., Zoumpoulakis, P. (2017). Factors affecting human colostrum fatty acid profile: A case study. *PLoS ONE* 12(4):e0175817. (I F: 2.776).

Sinanoglou, V. J., Tsiaka, T., Aouant, K., Mouka, E., Ladika, G., Kritsi, E., Konteles, S.J., Ioannou, A.G., Zoumpoulakis, P., Strati, I. F. & Cavouras, D. (2023). Quality Assessment of Banana Ripening Stages by Combining Analytical Methods and Image Analysis. *Applied Sciences*, 13(6), 3533.

Sophia Letsiou, Katerina Pyrovolou, Spyros J Konteles, Maria Trapali, Sophia Krisilia, Vasiliki Kokla, Alexandra Apostolaki, Violeta Founda, Dimitra Houhoula, Anthimia Batrinou Exploring the Antifungal Activity of Various Natural Extracts in a Sustainable *Saccharomyces cerevisiae* Model Using Cell Viability, Spot Assay, and Turbidometric ...2024/2/26 *Applied Sciences* 14 5 1899.

Sophia Letsiou, Maria Trapali, Despina Vougiouklaki, Aliki Tsakni, Dionysis Antonopoulos, Dimitra Houhoula Antioxidant Profile of *Origanum dictamnus* L. Exhibits Antiaging Properties against UVA Irradiation, *Cosmetics*, 124

Soultani, G., Sele, V., Rasmussen, R.R., Pasias, I., Stathopoulou, E., Thomaidis, N.S., Sinanoglou, V.J. & Sloth, J. J. (2021). Elements of toxicological concern and the arsenolipids' profile in the giant-red Mediterranean shrimp, *Aristaeomorpha foliacea*. *Journal of Food Composition and Analysis*, 97, 103786.

Soultani, G., Sinanoglou, V.J., Stathopoulou, E., Rasmussen, R.R., Jacobsen, C., Komaitis, M. and Sloth, J.J. (2019). Evaluation of Pb, Hg, Cd and As accumulation and of fatty acids' profile in muscle and cephalothorax of *Parapenaeus longirostris* (Mediterranean shrimp) and of *Pandalus borealis* (northern shrimp). *International Food Research Journal*, 26(1), 175-185. (I F: 0.559).

Spyridon Andreas Papatheodorou , Panagiotis Halvatsiotis, and Dimitra Houhoula. A comparison of different DNA extraction methods and molecular techniques for the detection

and identification of foodborne pathogens AIMS Microbiology, 7(3): 304–319. DOI: 10.3934/microbiol.2021019.

Spiridon Andreas Papatheodorou, Theofania Tsironi, Maria Giannakourou, Panagiotis Halvatsiotis, Dimitra Houhoula Application of microfluidic paper-based analytical devices ( $\mu$ PADs) for food microbial detection, Journal of the science of food and agriculture 18 February 2022 <https://doi.org/10.1002/jsfa.11822>

Spiridon-Andreas Papatheodorou, Dimitra Houhoula, Sotirios Magoulas, Andreas G Tsantes, Efstatia Tsakali, Simen Akkermans, Jan Van Impe, Panagiotis Halvatsiotis, Argyrios E Tsantes Development of a 3D Microfluidic Analytical Device for the Detection of Pathogenic Bacteria in Commercial Food Samples with Loop-Mediated Isothermal Amplification 2024/3/14 Acta Microbiologica Hellenica 69:141-49

Stamatia Spyrou , Alexandra V. Chatzikonstantinou, Archontoula Giannakopoulou, Renia Fotiadou , Silvia Priska, Yannis V. Simos, 5, Aliki Tsakni, Dimitrios Peschos, Dimitra Houhoula , Epaminondas Voutsas , Haralambos Stamatis. Fungal Laccase-Mediated Enhancement of the Bioactivity of Green Algae Extracts. *Catalysis Research* 2023, Volume 3, Issue 1, doi:10.21926/cr.2301004

Stamatopoulos, K., Kafourou, V., Batchelor, H. K., & Konteles, S. J. (2021). Sporopollenin Exine Microcapsules as Potential Intestinal Delivery System of Probiotics. *Small*, 17(7).

Stavropoulou N.A., Lazou A.E., Giannakourou M.C., Sustainable Utilization of Mushroom By-Products Processed with a Combined Osmotic Dehydration Pretreatment and a Hot-Air-Drying Step. *Foods*. 2024; 13(9):1339. <https://doi.org/10.3390/foods13091339>.

Stavros Tsalas Eleni Petrou Andreas G. Tsantes Rozeta Sokou Electra Loukopoulou Dimitra Houhoula Petros G. Mantzios Anastasios G. Kriebardis Argirios E. Tsantes Pathogen Reduction Technologies and Their Impact on Metabolic and Functional Properties of Treated Platelet Concentrates: A Systematic Review *Semin Thromb Hemost* DOI: 10.1055/s-0042-1757897

Stefanou, Valentina; Kanellou, Anastasia; Antonopoulos, Dionisios; Timbis, Dimitris; Margari, Dimitra; Xenou, Panagiota; Dekavala, Maria; Marianna, Raikou; Trianti, Myrto; Tsaknis10, Ioannis; Pomegranate for Diabetes and its' Complications Amelioration, *DIABETES*, 6, 7, 8, 2022,

Stefanou, Valentina; Timbis, Dimitris; Kanellou, Anastasia; Margari, Dimitra; Trianti, Myrto; Tsaknis, Ioannis; Naka, Anastasia Azar; Lougovois, Vladimiros; Wound Healing Properties of Pomegranate, *Archives of Microbiology & Immunology*, 5, 3, 263-291, 2021, Fortune Journals

Strati I.F., Kostomitsopoulos G., Lytras F., Zoumpoulakis P., Proestos C. and Sinanoglou\* V.J. (2018). Optimization of Polyphenol Extraction from *Allium ampeloprasum* var. *porrum* through Response Surface Methodology. *Foods*, 7(10), 162. (I F: 3.011).

Strati\*, I.F., Tataridis, P., Shehadeh, A., Chatzilazarou, A., Bartzis, V., Batrinou, A., Sinanoglou\*, V.J. (2021). Impact of tannin addition on the antioxidant activity and sensory character of Malagousia white wine. *Current Research in Food Science* 4, 937–945.

Theofania Tsironi, Vladimiros Lougovois, Vassiliki Nefeli Simou, Afrodite Mexi, Stamatios Koussisis, Efstatia Tsakali, Spiridon Andreas Papatheodorou, Valentini Stefanou, Jan Van

Impe and Dimitra Houhoula. 2019. Next Generation Sequencing (NGS) for the determination of fish flesh microbiota *Journal of Food Research* 8 (4), 101-110.

Theofania Tsironia, Dimitra Houhoula, Petros Taoukis. Hurdle technology for fish preservation *Aquaculture and Fisheries Volume 5, Issue 2, March 2020, Pages 65-71*

Thomas, A., Konteles, S. J., Ouzounis, S., Papatheodorou, S., Tsakni, A., Houhoula, D., & Tsironi, T. (2023, July). Bacterial community in response to packaging conditions in farmed gilthead seabream. *Aquaculture and Fisheries*, 8(4), 410–421.

Trapali, M.; Houhoula, D.; Batrinou, A.; Kanellou, A.; Strati, I.F.; Siatelis, A.; Halvatsiotis, P.; , Association of TNF-308G/A and LEPR Gln223Arg Polymorphisms with the Risk of Type 2 Diabetes Mellitus., *Genes*, 13, 59, <https://doi.org/10.3390/genes13010059>, 2022, MDPI

Tsakali, E., Chatzilazarou, A., Houhoula, D., Koulouris, S., Tsaknis, J., Van Impe, J. (2019). A rapid HPLC method for the determination of Lactoferrin in milk of various species. *Journal of Dairy Research*.

Tsakni Aliki, Chatzilazarou Archontoula, Zoidis Evaggelos, Halvatsiotis Panagiotis and Houhoula Dimitra. Antioxidant Activity of Mint (*Mentha piperita L.*) of Greek Flora and Identification of its Bioactive Compounds. *Organic & Medicinal Chem* 11(3): OMCIJ.MS.ID.555814 (2021)

Tsapou, E. A., Dourtoglou, V., Dourtoglou, T., Sinanoglou, V., & Koussissi, E. (2023). Volatile Profile in Greek Grape Marc Spirits with HS-SPME-GC-MS and Chemometrics: Evaluation of Terroir Impact. *ACS omega*, 8(45), 42803-42814.

Tsiaka T., Kritsi, E., Bratakos, S.M., Sotiroudis, G., Petridi, P., Savva, I., Christodoulou, P., Strati, I.F., Zoumpoulakis, P., Cavouras, D. & Sinanoglou, V.J. (2023). Quality Assessment of Ground Coffee Samples from Greek Market Using Various Instrumental Analytical Methods, In Silico Studies and Chemometrics. *Antioxidants*, 12, 1184.

Tsiaka, T., Fotakis, C., Lantzouraki, D.Z., Tsiantas, K., Siapi, E., Sinanoglou, V.J., Zoumpoulakis, P., (2020). Expanding the Role of Sub-Exploited DOE-High Energy Extraction and Metabolomic Profiling towards Agro-Byproduct Valorization: The Case of Carotenoid-Rich Apricot Pulp. *Molecules* 25 (11), 2702. DOI 10.3390/molecules25112702

Tsiaka, T., Kritsi, E., Lantzouraki D. Z., Christodoulou P., Tsigimani D., Strati, I. F. Sinanoglou, V. J., Zoumpoulakis, P. (2022). Assessing the Phytochemical Profile and Potential of Traditional Herbal Infusions against Aldose Reductase through In Silico Studies and LC-MS/MS Analysis. *Applied Sciences*, 12(14), 8361.

Tsiaka, T., Lantzouraki D. Z., Polychronaki, G., Sotiroudis, G., Kritsi, E., Sinanoglou, V. J., Kalogianni, D. P., Zoumpoulakis, P. (2023). Optimization of Ultrasound- and Microwave-Assisted Extraction for the Determination of Phenolic Compounds in Peach Byproducts Using Experimental Design and Liquid Chromatography–Tandem Mass Spectrometry. *Molecules*, 28(2), 518; <https://doi.org/10.3390/molecules28020518>.

Tsiaka, T., Lantzouraki, D. Z., Siapi, E., Sinanoglou\*, V. J., Heropoulos, G. A., Calokerinos, A. C., & Zoumpoulakis\*, P. (2018). Macular carotenoids in lipid food matrices: DOE-based high

energy extraction of egg yolk xanthophylls and quantification through a validated APCI (+) LC-MS/MS method. *Journal of Chromatography B*, 1096, 160-171. (I F: 2.729).

Tsiaka, T., Sinanoglou, V.J., and Zoumpoulakis, P. (2017). Extracting bioactive compounds from natural sources using green high energy approaches: Trends and opportunities in lab- and large-scale applications. Chapter 8: In *Handbook of Food Bioengineering*. Volume 4: INGREDIENTS EXTRACTION BY PHYSICO-CHEMICAL METHODS IN FOOD, edited by Alexandru Grumezescu ανδ Alina Maria Holban. Academic Press 2017.

Tsiaka, T., Stavropoulou, N. A., Giannakourou\*, M. C., Strati, I. F., & Sinanoglou\*, V. J. (2023). Optimization of Ultrasound-Assisted Extraction and Characterization of the Phenolic Compounds in Rose Distillation Side Streams Using Spectrophotometric Assays and High-Throughput Analytical Techniques. *Molecules*, 28(21), 7403.

Tsiantas, K., Konteles, S.J., Kritsi, E., Sinanoglou, V.J., Tsiaka, T., Zoumpoulakis, P., Effects of Non-Polar Dietary and Endogenous Lipids on Gut Microbiota Alterations: The Role of Lipidomics; *International Journal of Molecular Sciences* (2022) 23 (8), art. no. 4070, DOI: 10.3390/ijms23084070

Tsiantas, K., Tsiaka, T., Koutrotsios, G., Siapi, E., Zervakis, G.I., Kalogeropoulos, N., Zoumpoulakis, P. On the identification and quantification of ergothioneine and lovastatin in various mushroom species: Assets and challenges of different analytical approaches; *Molecules* (2021) 26 (7), art. no. 1832, DOI: 10.3390/molecules26071832

Tzani, A., Karadendrou, M.A., Tsiaka, T., Kritsi, E., Zoumpoulakis, P., Detsi, A., Exploring the Role of Natural Deep Eutectic Solvents (NADES) Towards the Valorization of Food Processing Industry Waste; *Deep Eutectic Solvents: Properties, Applications and Toxicity* (2022) pp. 19-52.

Valentina Stefanou Spiros Papatheodorou, Despoina Vougiouklaki, Dionisios Antonopoulos, Vladimiros Lougovois, Ioannis Tsaknis Dimitra Houhoula Medicinal Properties of Antioxidant Pomegranate in Cardiovascular Health *International Journal of Preventive Cardiology* Volume 1, Issue 1 - 2021, Pg. No. 19-28.

Valsamidou, E., Amerikanou, C., Tzavara, C., Skarpas, G., Mariolis-Sapsakos, T.D., Zoumpoulakis, P., Kaliora, A.C., A standardized nutraceutical supplement contributes to pain relief, improves quality of life and regulates inflammation in knee osteoarthritis patients; A randomized clinical trial; *Heliyon* (2023) 9 (9), art. no. e20143, DOI: 10.1016/j.heliyon.2023.e20143

Vasileios Bartzis , Anthimia Batrinou , Ioannis E. Sarris , Spyros J. Konteles , Irini F. Strati and Dimitra Houhoula. Electric Field Induced Drift of Bacterial Protein Toxins of Foodborne Pathogens *Staphylococcus aureus* and *Escherichia coli* from Water *Appl. Sci.* 2022, 12(24), 12739; <https://doi.org/10.3390/app122412739>.

Vasiliki Kokla, Anthimia Batrinou, Spyros Papatheodorou, Dimitra Houhoula, George Panagiaris, Agamemnon Tselikas, Athanassios Karabotsos, Application of imaging spectroscopy, SEM-EDS and DNA analysis for monitoring the preservation status of a manuscript of the first decade of 19th century, *The European Physical Journal Plus*, 877.

V. Bartzis, I.E. Sarris , "A theoretical model for salt ion drift due to electric field suitable to sea water desalination, Desalination 473 (2020) 114163

E. Zekou, I. Vamvakas, V. Bartzis and N. Merlemis , "Calculation of the focal length of a two-lens system – an educational experiment", e JST 1(2020),41

V. Bartzis, I. Sarris," Electric field distribution and diffuse layer thickness study due to salt ion movement in water desalination" Desalination 490(2020),114549

V.Bartzis, N. Merlemis, M. Sarris and G. Ninos "Generalized intensitydependent multiphoton Jaynes – Cummings model" έγινε δεκτό για δημοσίευση στο Springer volume entitled "Aproximation and computation in Science and Engineering"

G. Ninos , V. Bartzis , N. Merlemis , I. E. Sarris," Uncertainty quantification implementations in human hemodynamic flows", Computer Methods and Programs in Biomedicine 203(2021),106021

V. Bartzis and I. E. Sarris," Time Evolution Study of the Electric Field Distribution and Charge Density Due to Ion Movement in SaltyWater", Water 13(2021), 2185

V. Bartzis , G. Ninos and I.Sarris "Water Purification from Heavy Metals Due to Electric Field Ion Drift", Water 14(2022), 2372

V.Bartzis , I. Strati, I. E. Sarris , T.Tsiaka, A. Batrinou, S. Konteles and V. Sinanoglou "Application of Electric Field Force for the Accumulation of Anthocyanins from Winery Wastewater" Water, 15(2023), 2450

F. Sofos, V. Bartzis, T. Karakasidis and I. Sarris, "Electric field-driven water desalination across scales, 10th International Conference on Micro Nanoelectronics, Micro-Nano sciences & Nanotechnologies", November 2-5,(2023), 195-196

V. Bartzis and I. Sarris, "Advanced Technology for Desalination and Water Purification" Water, 16(2024), 1094