

RESUME

KOURKOUTAS IOANNIS (YIANNIS)



Personal Information:

First Name and Surname: Ioannis (Yiannis) Kourkoutas
Date of birth: 04/11/1974, Place of birth: Athens, Greece.
Married status: Married, Father of 2 children.
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Google Scholar: <https://scholar.google.com/citations?user=QyinLQUAAAJ&hl=el&oi=ao>

Current position:

Professor of Applied Biotechnology, Department of Molecular Biology & Genetics, Democritus University of Thrace, Alexandroupolis, GR-68100, Greece.

Education:

1997-2002 PhD in Food Biotechnology, University of Patras, Department of Chemistry, Greece.
04/1999 Degree in Enology, University of Patras, Department of Chemistry, Greece.
1992-1997 Degree in Chemistry, University of Patras, Department of Chemistry, Greece.

Academic Experience:

2022-present Professor of Applied Biotechnology, Department of Molecular Biology & Genetics, Democritus University of Thrace, Alexandroupolis, GR-68100, Greece.
2017-2022 Associate Professor of Applied Biotechnology, Department of Molecular Biology & Genetics, Democritus University of Thrace, Alexandroupolis, GR-68100, Greece.

2012-2017	Assistant Professor of Applied Biotechnology, Department of Molecular Biology & Genetics, Democritus University of Thrace, Alexandroupolis, GR-68100, Greece.
2007-2012	Lecturer of Applied Biotechnology, Department of Molecular Biology & Genetics, Democritus University of Thrace, Alexandroupolis, GR-68100, Greece.

Post-Doc Experience:

2005-2007	Post-Doc Researcher. AMTH11: “Improvement of quality of dairy products by application and modelling of new technologies” with attendance of EVROFARMA Dairy Industry. Budget: 750.000€
2006-2008	Post-Doc Researcher. DEL_13: “Production of dried starter cultures for food production using whey as raw material”, with attendance of AVIGAL Dairy Industry. Budget: 756.850€
2006-2007	Post-Doc Researcher. PBMAT-3: “Bioethanol production from breweries cellulose wastes (spent grains)” with attendance of MACEDONIA-THRACE Brewery. Budget: 179.200€
2004-2006	Post-Doc Researcher. “Pythagoras I: Supporting Research Teams in the Universities: The liquid waste of dairy industry as raw material for the production of freeze-dried probiotic kefir culture and use of the freeze-dried culture in as starter in cheese ripening”. Budget: 80.000€
2002 & 2005	Post-Doc Researcher. School of Biomedical Sciences, University of Ulster, N. Ireland, UK.

Record of Funded Research Projects:

Prof. Y. Kourkoutas has participated in many research projects (coordinating most of them) totalling more than 8.500.000€ His funds derive from EU, National Grants and the Agri-Food Industry.

Selected Projects:

Projects in progress

- Action:** Erasmus+ KA220-HED - Cooperation partnerships in higher education. **Project title:** Novel Biotechnological Solutions in Climate Change Mitigation - BIOSHIELD. **Source of funding:** European Union (Erasmus) **Project Budget:** 250.000,00€ **Duth Budget:** 46.590,00€ **Starting/ending dates:** October 2024 - September 2026. **Coordinator:** Kourkoutas, Y.
- Emblematic Action:** Establishment of National Research Networks in the framework of the Hellenic General Secretariat of Research and Innovation (GSRI). **Project title:** Emblematic Action for Sustainable AgriFood Systems – Applied Research, Infrastructure Development and Services for the Sustainability of the Sector – Sus.AgriFood. **Source of funding:** Hellenic General Secretariat of Research and Innovation (GSRI). **Budget:** 2.900.000,00€ **Starting/ending dates:** April 2024 - December 2025. **Coordinator:** Argiriou, A. **DUTH Coordinator:** Kourkoutas, Y.
- Action:** KA220-HED - Cooperation partnerships in higher education. **Project title:** Bridging the Gap Between Biotechnology and Industry: Integrating Design Thinking and Flipped Learning – BIOTE(A)CH. **Source of funding:** European Union (Erasmus). **Duth Budget:** 40.530,00€ **Starting/ending dates:** December 2022 - December 2024. **Duth Coordinator:** Kourkoutas, Y.

4. Hellenic Foundation for Research and Innovation (H.F.R.I.). **Action:** 1st Call for proposals for research projects for the support of Faculty members and Researchers working in the Greek Universities and Research Centers and the procurement of strategic research equipment. **Project title:** BioActiveScreen Research Infrastructure in Northern Greece: Identification of endemic aromatic plant-derived bioactive compounds of high-added value. **Source of funding:** H.F.R.I. **Budget:** 1.440.000,00€ **Starting/ending dates:** June 2021 - December 2024. **Coordinator:** Chliclia, E.

Completed projects

5. Hellenic Foundation for Research and Innovation (H.F.R.I.). **Action:** 1st Call of H.F.R.I. research projects for the support of Faculty Members (DEP) and Researchers, and the procurement high-value research equipment. **Project title:** Innovative immobilized functional starter cultures: Characterization and application in production of novel foods with health-promoting potential using agricultural wastes-iFUNcultures. **Source of funding:** H.F.R.I. **Budget:** 170.000,00€ **Starting/ending dates:** January 2020 - January 2024. **Scientific coordinator:** Kourkoutas, Y.

6. **Action:** Research-Create-Innovate. **Project title:** Valorization of Drama wine identity through a holistic characterization of the natural and microbial environment-Drama_Terroir (T2EΔK-02974). **Source of funding:** EYDE-ETAK and private industrial funds (KTIMA TEXNI OINOY, NIKOS LAZARIDIS S.A., KTIMA COSTA LAZARIDI S.A., INNOVINO IKE, KTIMA PAVLIDIS S.A., and OINOGENESIS S.A.). **Budget:** 995.087,72€ **Starting/ending dates:** July 2021 - November 2023. **Coordinator:** Koundouras, S.

7. **Operational Program:** Support of Regional Excellence (EPAnEK). **Project title:** FOODBIOMES: Infrastructure of Microbiome Applications in Food Systems. **Source of funding:** Regional Excellence in R & D Infrastructures, Hellenic General Secretariat of Research and Innovation (GSRI). **Budget:** 3.943.705,00€ **Starting/ending dates:** November 2020 - August 2023. **Coordinator:** Kourkoutas, Y.

8. **Operational Program:** Support of Regional Excellence (EPAnEK). **Project title:** Risk & Resilience Assessment Center (RiskAC). **Source of funding:** Regional Excellence in R & D Infrastructures, Hellenic General Secretariat of Research and Innovation (GSRI). **Budget:** 1.999.827,40€. **Starting/ending dates:** November 2020 - August 2023. **Coordinator:** Dokas, I.

9. **Operational Program:** Support of Regional Excellence (EPAnEK). **Project title:** AGRO4+: Holistic Approach to Agriculture 4.0 for new farmers. **Source of funding:** Regional Excellence in R & D Infrastructures, Hellenic General Secretariat of Research and Innovation (GSRI). **Budget:** 3.161.137,92€ **Starting/ending dates:** November 2020 - August 2023. **Coordinator:** Tsirligkanis, N.

10. **National action:** Investment Plans of Innovation, Research and Development of the Agrifood sector. **Project title:** Development innovative probiotic KEFIR products exploiting the microbial diversity of the EMTh Region-Pinnokefir. **Source of funding:** Region of East Macedonia & Thrace and private industrial funds (Agricultural and Livingston Cooperative of Prosotsani "MENOIKIO"). **Budget:** 157.900,00€(cost of subcontractor: 42.500,00€). **Starting/ending dates:** June 2020 - June 2023. **Coordinator:** Meleneklis, V. **Subcontractor coordinator:** Kourkoutas, Y.

11. **National action:** Investment Plans of Innovation, Research and Development of the Agrifood sector. **Project title:** Exploitation of agro-industrial by-products for production of organic compost soil-AgroWasteCompost. **Source of funding:** Region of East Macedonia & Thrace and private industrial funds (EVRITIKA KELARIA S.A.). **Budget:** 127.835,50€ (cost of subcontractor: 50.130,00€). **Starting/ending dates:** December 2019 - March 2023. **Coordinator:** V. Charovas. **Subcontractor coordinator:** Y. Kourkoutas.

12. **National action:** Investment Plans of Innovation, Research and Development of the Agrifood sector. **Project title:** Exploitation of the microbial terroir of “Pavlidis Winery” for the promotion of the distinct quality characteristics of the local wines-Pavlidis Terroir. **Source of funding:** Region of East Macedonia & Thrace and private industrial funds (Ktima Pavlidis S.A.). **Budget:** 183.313,83€ (cost of subcontractor: 57.856,00€). **Starting/ending dates:** December 2019 - March 2023. **Coordinator:** P. Kyriakidis. **Subcontractor coordinator:** M. Grigoriou.
13. **Action:** Research-Create-Innovate. **Project title:** Innovative Functional Foods: Development, Production, Characterization, Properties-iFUNFoods (TIEAK-03846). **Source of funding:** EYDE-ETAK and private industrial funds (ACHAIKO ENTELWEISS S. A. and QLCON S. A.). **Budget:** 952.434,78€ **Starting/ending dates:** September 2018 - March 2023. **Coordinator:** Kourkoutas, Y.
14. **National action:** Investment Plans of Innovation, Research and Development of the Agrifood sector. **Project title:** Development of an innovative set of novel products from cow milk with increased levels of calcium and protein - JerseyMILK. **Source of funding:** Region of East Macedonia & Thrace and private industrial funds (EVROFARMA DAIRY COMPANY S.A.). **Budget:** 240.000,00€(cost of subcontractor: 40.000,00€). **Starting/ending dates:** December 2019 - December 2022. **Coordinator:** Papazilakis, A. **Subcontractor coordinator:** Kourkoutas, Y.
15. **Operational Program:** Competitiveness, Entrepreneurship and Innovation (EPAnEK). **Project title:** FOOD INNOVATION RI: Research Infrastructure of the Development of Food Bioprocesses and Innovation Exploitation. **Source of funding:** Hellenic General Secretariat of Research and Innovation (GSRI). **Budget:** 3.000.000,00€ **Starting/ending dates:** November 2018 - October 2022. **Coordinator:** Kanellaki, M.
16. **Emblematic Action:** Establishment of National Research Networks in the framework of the Hellenic General Secretariat of Research and Innovation (GSRI). **Project title:** The roads of the vineyards. **Source of funding:** Hellenic General Secretariat of Research and Innovation (GSRI). **Budget:** 2.500.000,00€ **Starting/ending dates:** March 2019 - April 2022. **Coordinator:** Koundouras, S.
17. **Action:** RIS3-Region of Western Greece-Agro-Nutrition. **Project title:** Development of novel functional foods exploiting health-promoting microorganisms-NOVoody’s (ΔEP6-0022891). **Source of funding:** Region of Western Greece and private industrial funds (QLCON S.A. and ACHAIKO ENTELWEISS S.A.). **Budget:** 240.000,00€ **Starting/ending dates:** December 2018-July 2021. **Coordinator:** P. Panas. **Scientific Coordinator of Laboratory of Applied Microbiology & Biotechnology, DMBG, DUTH:** Kourkoutas, Y.
18. **Operational Program:** Competitiveness, Entrepreneurship and Innovation (EPAnEK). **Project title:** OMIC-ENGINE: Synthetic biology: From omics technologies to genomic engineering. **Source of funding:** Hellenic General Secretariat of Research and Innovation (GSRI). **Budget:** 4.000.000,00€ **Starting/ending dates:** January 2018 - May 2021. **Coordinator:** Mathiopoulos, C.
19. **Operational Program:** Competitiveness, Entrepreneurship and Innovation (EPAnEK). **Project title:** OPENSREEN-GR: An Open-Access Research Infrastructure of Target-Based Screening Technologies and Chemical Biology for Human and Animal Health, Agriculture and Environment. **Source of funding:** Hellenic General Secretariat of Research and Innovation (GSRI). **Budget:** 3.025.090,09€ **Starting/ending dates:** December 2017-January 2021. **Coordinator:** Kletsas, D.
20. **Operational programme:** Human Resources Development, Education and Lifelong Learning. **Call EBAM34:** Support researchers with emphasis on young researchers. **Project title:** Novel wine products using biopreservatives and probiotics (OPS code: 5006289). **Source of funding:** Hellenic

Ministry of Education, Research and Religious Affairs, Greece. **Budget:** 65.800,00€
Starting/ending dates: March 2018 - January 2020. **Scientific coordinator:** Kourkoutas, Y.

21. **Action:** SYNERGASIA II. **Project title:** Novel functional foods containing bioactive essential oils from Greek endemic species with health promoting properties-BioFood for Health (11SYN_2_566). **Source of funding:** EYDE-ETAK and private industrial funds (EVGA S. A. and VIORYL S. A.). **Budget:** 1.184.000,00€ **Starting/ending dates:** August 2013 - October 2015. **Coordinator:** Kourkoutas, Y.

22. **Action:** SYNERGASIA II. **Project title:** Functional dairy and meat products with high added value fermented or enriched with new probiotic microorganisms isolated from Greek traditional products-ProbioDairyMeat (11SYN_2_571). **Source of funding:** EYDE-ETAK and private industrial funds (NIKAS S.A., RODOPI S.A. and OIKOFARMA S.A.). **Budget:** 1.580.000,00€ **Starting/ending dates:** October 2013 - October 2015. **Coordinator:** Tassou, C.

23. **Action:** Greece-China Bilateral Cooperation-2012-2014. **Project title:** Bioactive essential oils and other beneficial substances isolated from Greek and Chinese endemic species with health promoting properties-BioActiveHealth (12CHN_409). **Source of funding:** Hellenic General Secretariat of Research and Technology (GSRT) and private industrial funds (VIORYL S. A. and PAXMAN Ltd). **Budget:** 560.000,00€ **Starting/ending dates:** December 2012 - November 2015. **Scientific coordinator:** Kourkoutas, Y.

24. **Action:** Support of Post-Doctorate Researchers. **Project title:** Production of novel probiotic food products: Investigation of anticancer properties-ProbFood [LS9(3546)]. **Source of funding:** Hellenic General Secretariat of Research and Technology (GSRT). **Budget:** 150.000,00€ **Starting/ending dates:** February 2012 - January 2015. **Scientific coordinator:** Kourkoutas, Y.

25. **National action:** Support of New and Small and Medium Enterprises. **Project title:** Use of biologically active essential oils in the production of alcoholic beverages and pastry products with potential health benefits (17NEWB2012). **Source of funding:** EYDE-ETAK and private industrial funds (TENTOURA CASTRO S.A.). **Budget:** 190.000,00€ (cost of subcontractor: 58.000,00€). **Starting/ending dates:** November 2012 - January 2015. **Coordinator:** Katsigianni, E. **Subcontractor coordinator:** Kourkoutas, Y.

26. **National action:** Support of New and Small and Medium Enterprises. **Project title:** Production of probiotic ice-cream using immobilized *L. casei* on dry nuts and pastry products (15NEWE2009). **Source of funding:** EYDE-ETAK and private industrial funds (ACHAIKO ENTELWEISS S.A.). **Budget:** 200.000,00€ (cost of subcontractor: 60.000,00€). **Starting/ending dates:** September 2011 - December 2014. **Coordinator:** Michalopoulos, I. **Subcontractor coordinator:** Kourkoutas, Y.

Granted Patents:

1. Dimitrellou, D., Kandyli, P., Kourkoutas, Y. Baby creams containing freeze-dried or thermally-dried immobilized probiotic bacteria on fruits, casein or whey protein. Patent. Hellenic Industrial Property Organization, 2016, no. 1008754.
2. ACHAIKO ENTELWEISS S. A., Panas, P., Kourkoutas, Y. Industrial use of wet or dried immobilized lactic acid bacteria on dry nuts and pastry products in probiotic ice-cream production. Patent. Hellenic Industrial Property Organization, 2013, no. 1008050.
3. Kanellaki, M., Kourkoutas, Y., Bosnea, L., Sidira, M. Industrial use of wet, thermally-dried or lyophilized immobilized lactic acid bacteria in production of meat products. Patent. Hellenic Industrial Property Organization, 2012, no. 1007555.

4. Kanellaki, M., Koutinas, A. A., Kourkoutas, Y., Bosnea, L. Industrial use of wet or lyophilized immobilized lactic acid bacteria in production of dairy products. Patent. Hellenic Industrial Property Organization, 2006, no. 1005393.

Publications:

Prof. Y. Kourkoutas has published more than 130 papers in peer-reviewed journals (citations > 3,500, *h*-factor: 39).

1. Nelios, G., Prapa, I., Mitropoulou, G., Kompoura, V., Balafas, E., Kostomitsopoulos, N., Yanni, A. E., Kourkoutas, Y. Assessment of immobilized *Lacticaseibacillus rhamnosus* OLXAL-1 cells on oat flakes for functional regulation of the intestinal microbiome in a Type-1 diabetic animal model. *Foods*, 2024, 13, 4134. <https://doi.org/10.3390/foods13244134>.
2. Prapa, I., Pavlatou, C., Kompoura, V., Nikolaou, A., Stylianopoulou, E., Skavdis, G., Grigoriou, M. E., Kourkoutas, Y. A novel wild type *Lacticaseibacillus paracasei* strain suitable for the production of functional yoghurt and Aryan products. *Fermentation*, 2025, 11, 37 <https://doi.org/10.3390/fermentation11010037>.
3. Prapa, I., Kompoura, V., Pavlatou, C., Nelios, G., Mitropoulou, G., Kostomitsopoulos, N., Plessas, S., Bezirtzoglou, E., Karathanos, V. A., Yanni, A. E., Kourkoutas, Y. Effects of free or immobilized *Pediococcus acidalactici* ORE5 on Corinthian currants on gut microbiome of streptozotocin-induced diabetic rats. *Microorganisms*, 2024, 12, 2004. <https://doi.org/10.3390/microorganisms12102004>.
4. Somalou, P., Ieronymaki, E., Feidaki, K., Prapa, I., Stylianopoulou, E., Spyridopoulou, K., Skavdis, G., Grigoriou, M. E., Panas, P., Argiriou, A., Tsatsanis, C., Kourkoutas, Y. Novel wild-type *Pediococcus* and *Lactiplantibacillus* strains as probiotic candidates to manage obesity-associated insulin resistance. *Microorganisms*, 2024, 12, 231. <https://doi.org/10.3390/microorganisms12020231>.
5. Kompoura, V., Karapantzou, I., Mitropoulou, G., Parisis, N. A., Gkalpinos, V. K., Anagnostou, V. A., Tsiailanis, A. D., Vasdekis, E. P., Koutsaliaris, I. K., Tsouka, A. N., Karapetsi, L., Madesis, P., Letsiou, S., Florou, D., Koukkou, A-I., Barbouti, A., Tselepis, A. D., Kourkoutas, Y., Tzakos, A. G. Exploiting the beneficial effects of *Salvia officinalis* L. extracts in human health and assessing their activity as potent functional regulators of food microbiota. *Food Chem*, 2024, 441, 138175. <https://doi.org/10.1016/j.foodchem.2023.138175>.
6. Stylianopoulou, E., Daviti, A., Giourou, V., Gerasimidi, E., Nikolaou, A., Kourkoutas, Y., Grigoriou, M. E., Paleologou, K. E., Skavdis, G. Assessment of the anti-amyloidegenic properties of essential oils and their constituents in cells using a whole-cell recombinant biosensor. *Brain Sci*, 2024, 14, 35. <https://doi.org/10.3390/brainsci14010035>.
7. Mitropoulou, G., Kompoura, V., Nelios, G., Kourkoutas, Y. Pathogenic biofilm removal potential of wild-type *Lacticaseibacillus rhamnosus* strains. *Pathogens*, 2023, 12, 1449. <https://doi.org/10.3390/pathogens12121449>.
8. Matzourani, I., Nikolaou, A., Kourkoutas, Y., Alexopoulos, A., Plessas, S. Biotechnological features of a functional non-dairy mixed juice fermented with *Lacticaseibacillus paracasei* SP5. *Fermentation*, 2023, 9, 489. <https://doi.org/10.3390/fermentation9050489>.
9. Nelios, G., Prapa, I., Nikolaou, A., Mitropoulou, G., Yanni, A., Kostomitsopoulos, N., Kourkoutas, Y. Cereals and fruits as effective delivery vehicles of *Lacticaseibacillus rhamnosus* through gastrointestinal tract. *Appl Sci*, 2023, 13, 8643. <https://doi.org/10.3390/app13158643>.

10. Pavlatou, C., Nikolaou, A., Prapa, I., Tegopoulos, C., Plessas, S., Grigoriou, M. E., Bezirtzoglou, E., Kourkoutas, Y. Effect of immobilized *Pediococcus acidilactici* ORE5 cells on pistachio nuts on the functional regulation of the novel katiki Domokou-type cheese microbiome. *Appl Sci*, 2023, 13, 8047. <https://doi.org/10.3390/app13148047>.
11. Mitropoulou, G., Stavropoulou, E., Vaou, N., Tsakris, Z., Voidarou, C., Tsiotsias, A., Tsigalou, C., Taban, B. M., Kourkoutas, Y., Bezirtzoglou, E. Insights into antimicrobial and anti-inflammatory applications of plant bioactive compounds. *Microorganisms*, 2023, 11, 1156. <https://doi.org/10.3390/microorganisms11051156>.
12. Karapantzou, I., Mitropoulou, G., Prapa, I., Papanikolaou, D., Charovas, V., Kourkoutas, Y. Physicochemical changes and microbiome associations during vermicomposting of winery waste. *Sustainability*, 2023, 15, 7484. <https://doi.org/10.3390/su15097484>.
13. Nikolaou, A., Santarmaki, V., Mitropoulou, G., Sgouros, G., Kourkoutas, Y. Novel low-alcohol Sangria-type wine products with immobilized kefir cultures and essential oils. *Microbiol Res*, 2023, 14, 543-588. <https://doi.org/10.3390/microbiolres14020038>.
14. Kompoura, V., Prapa, I., Vasilakopoulou, P. B., Mitropoulou, G., Nelios, G., Balafas, E., Kostomitsopoulos, N., Chiou, A., Karathanos, V. A., Bezirtzoglou, E., Kourkoutas, Y., Yanni, A. E. Corinthian currants supplementation restores serum polar phenolic compounds, reduces IL-1beta, and exerts beneficial effects on gut microbiota in the streptozotocin-induced Type-1 diabetic rat. *Metabolites*, 2023, 13, 415. <https://doi.org/10.3390/metabo13030415>.
15. Gkalpinos, V. K., Anagnostou, V. A., Mitropoulou, G., Kompoura, V., Karapantzou, I., Fasoulis, C. K., Vasdekis, E. P., Kourkoutas, Y., Tzakos, A. G. *Aloysia citrodora* extracts cultivated in Greece as antioxidants and potent regulators of food microbiota. *Appl Sci*, 2023, 13, 3663. <https://doi.org/10.3390/app13063663>.
16. Nelios, G., Nikolaou, A., Papazilakis, P., Kourkoutas, Y. Developing new high-protein-content traditional-type Greek yoghurts based on Jersey cow milk. *Dairy*, 2023, 4, 235–248. <https://doi.org/10.3390/dairy4010017>.
17. Prapa, I., Nikolaou, A., Panas, P., Tassou, C., Kourkoutas, Y. Developing stable freeze-dried functional ingredients containing wild-type presumptive probiotic strains for food systems. *Appl. Sci*, 2023, 13, 630. <https://doi.org/10.3390/app13010630>.
18. Nikolaou, A., Mitropoulou, G., Nelios, G., Kourkoutas, Y. Novel functional grape juices fortified with free or immobilized *Lactocaseibacillus rhamnosus* OLXAL-1. *Microorganisms*, 2023, 11, 646. <https://doi.org/10.3390/microorganisms11030646>.
19. Mileriene, J., Serniene, L., Kasparaviciene, B., Lauciene, L., Kasetiene, N., Zakariene, G., Kersiene, M., Leskauskaitė, D., Viskelis, J., Kourkoutas, Y., Malakauskas, M. Exploring the potential of acid whey cheese supplemented with apple pomace and GABA-producing indigenous *Lactococcus lactis* strain. *Microorganisms*, 2023, 11, 436. <https://doi.org/10.3390/microorganisms11020436>.
20. Sgouros, G., Mallouchos, A., Dourou, D., Banilas, G., Chalvantzi, I., Kourkoutas, Y., Nisiotou, A. *Torulasporea delbrueckii* may help manage total and volatile acidity of Santorini-Asyrtiko wine in view of global warming. *Foods*, 2023, 12, 191. <https://doi.org/10.3390/foods12010191>.
21. Maniki, E., Kostoglou, D., Paterakis, N., Nikolaou, A., Kourkoutas, Y., Papachristoforou, A., Giaouris, E. Chemical composition, antioxidant, and antibiofilm properties of essential oil from *Thymus capitatus* plants organically cultured on the Greek island of Lemnos. *Molecules*, 2023, 28, 1154. <https://doi.org/10.3390/molecules28031154>.

22. Stefanis, C., Giorgi, E., Tselemonis, G., Voidarou, C., Skoufos, I., Tzora, A., Tsigalou, C., Kourkoutas, Y., Constantinidis, T. C., Bezirtzoglou, E. Terroir in view of bibliometrics. *Stats*, 2023, 6, 956–979. <https://doi.org/10.3390/stats6040060>.
23. Stefanis, C., Giorgi, E., Kalentzis, K., Tselemonis, A., Nena, E., Tsigalou, C., Kontogiorgis, C., Kourkoutas, Y., Chatzaki, E., Dokas, I., Constantinidis, T., Bezirtzoglou, E. Sentiment analysis of epidemiological surveillance reports on COVID-19 in Greece using machine learning models. *Front Public Health*, 11, 1191730. [doi: 10.3389/fpubh.2023.1191730](https://doi.org/10.3389/fpubh.2023.1191730).
24. Stefanis, C., Giorgi, E., Kalentzis, K., Tselemonis, A., Tsigalou, C., Nena, E., Kontogiorgis, C., Kourkoutas, Y., Voidarou, C., Chatzaki, E., Dokas, I., Constantinidis, T., Bezirtzoglou, E. Assessing worldwide research activity on ICT in climate change using Scopus database: A bibliometric analysis. *Front Environ Sci*. 10, 868197. [doi: 10.3389/fenvs.2022.868197](https://doi.org/10.3389/fenvs.2022.868197).
25. Vakadaris, G., Stefanis, C., Giorgi, E., Brouvalis, M., Voidarou, C., Kourkoutas, Y., Tsigalou, C., Bezirtzoglou, E. The role of probiotics in inducing and maintaining remission in Crohn's disease and ulcerative colitis: A systematic review of the literature. *Biomedicines*, 2023, 11, 494. <https://doi.org/10.3390/biomedicines11020494>.
26. Mantzourani, I., Daoutidou, M., Nikolaou, A., Kourkoutas, Y., Alexopoulos, A., Tzavellas, I., Dasenaki, M., Thomaidis, N., Plessas, S. Microbiological stability and sensorial valorization of thyme and oregano essential oils alone or in combined with ethanolic pomegranate extracts in wine marinated pork meat. *Int J Food Microbiol*, 2023, 386, 110022. <https://doi.org/10.1016/j.ijfoodmicro.2022.110022>.
27. Stefanis, C., Giorgi, E., Kalentzis, K., Tselemonis, A., Tsigalou, C., Nena, E., Kontogiorgis, C., Kourkoutas, Y., Voidarou, C., Chatzaki, E., Dokas, I., Konstantinidis, T., Bezirtzoglou, E. Assessing worldwide research activity on ICT in climate change using Scopus database: A bibliometric analysis. *Front Environ Sci*, 2022, 10:868197. [doi: 10.3389/fenvs.2022.868197](https://doi.org/10.3389/fenvs.2022.868197).
28. Nikolaou, A., Sgouros, G., Santarmaki, V., Mitropoulou, G., Kourkoutas, Y. Preliminary evaluation of the use of thermally-dried immobilized kefir cells in low alcohol winemaking. *Appl. Sci*, 2022, 12, 6176. <https://doi.org/10.3390/app12126176>.
29. Mitropoulou, G., Prapa, I., Nikolaou, A., Tegopoulos, K., Tsirka, T., Chorianopoulos, N., Tassou, C., Kolovos, P., Grigoriou, M. E., Kourkoutas, Y. Effect of free or immobilized *Lactiplantibacillus plantarum* T571 on feta-type cheese microbiome. *Front Biosci (Elite Ed.)*, 2022, 14(4), 31. <https://doi.org/10.31083/j.fbe1404031>.
30. Mitropoulou, G., Bardouki, H., Vamvakias, M., Panas, P., Paraskevas, P., Kourkoutas, Y. Assessment of antimicrobial efficiency of *Pistacia lentiscus* and *Fortunella margarita* essential oils against spoilage and pathogenic microbes in ice cream and fruit juices. *Microbiol Res*, 2022, 13, 667-680. [doi.org/ 10.3390/microbiolres13030048](https://doi.org/10.3390/microbiolres13030048).
31. Prapa, I., Yanni, A. E., Nikolaou, A., Kostomitsopoulos, N., Kalogeropoulos, N., Bezirtzoglou, E., Karathanos, V. T., Kourkoutas, Y. Dietary pistachio (*Pistachia vera* L.) beneficially alters fatty acid profiles in streptozotocin-induced diabetic rat. *Appl Sci*, 2022, 12, 4606. <https://doi.org/10.3390/app12094606>.
32. Karampatea, A., Vrhovšek, Ur., Tsakiris, A., Dimopoulou, M., Kourkoutas, Y., Skavdis, G. Organoleptic and quality characteristics of Malagousia variety grapes fermented with selected indigenous yeast strains. *S Afr J Enol Vitic*, 2022, 43(2). <https://doi.org/10.21548/43-2-5405>.
33. Nelios, G., Santarmaki, V., Pavlatou, C., Dimitrellou, D., Kourkoutas, Y. New wild-type *Lactocaseibacillus rhamnosus* strains as candidates to manage Type 1 diabetes. *Microorganisms*, 2022, 10, 272. <https://doi.org/10.3390/microorganisms10020272>.

34. Karampatea, A., Tsakiris, A., Kourkoutas, Y., Skavdis, G. Molecular and phenotypic diversity of indigenous oenological strains of *Saccharomyces cerevisiae* isolated in Greece. *Eng Proc*, 2021, 9, 7. <https://doi.org/10.3390/engproc2021009007>.
35. Kokkinomagoulos, E., Nikolaou, A., Kourkoutas, Y., Biliaderis, C. G., Kandyliis, P. Impact of sugar type addition and fermentation temperature on pomegranate alcoholic beverage production and characteristics. *Antioxidants*, 2021, 10, 889. <https://doi.org/10.3390/antiox10060889>.
36. Nikolaou, A., Kourkoutas, Y. High-temperature semi-dry and sweet low alcohol wine-making using immobilized kefir culture. *Fermentation*, 2021, 7, 45, <https://doi.org/10.3390/fermentation7020045>.
37. Bezirtzoglou, E., Stavropoulou, E., Kantartzi, K., Tsigalou, C., Voidarou, C., Mitropoulou, G., Prapa, I., Santarmaki, V., Kompoura, V., Yanni, E. A., Antoniadou, M., Varzakas, T., Kourkoutas, Y. Maintaining digestive health in diabetes: The role of the gut microbiome and the challenge of functional foods. *Microorganisms*, 2021, 9, 516, <https://doi.org/10.3390/microorganisms9030516>.
38. Mitropoulou, G., Oreopoulou, A., Papavasiliopoulou, E., Vamvakias, M., Panas, P., Fragiias, S., Kourkoutas, Y. *Origanum vulgare* ssp. *hirtum* essential oil as a natural intrinsic hurdle against common spoilage and pathogenic microbes of concern in tomato juice. *Appl Microbiol*, 2021, 1, 1–10, <https://doi.org/10.3390/applmicrobiol1010001>.
39. Nikolaou, A., Kandyliis, P., Kanellaki, M., Kourkoutas, Y. Winemaking using immobilized kefir cells on natural zeolites. *LWT-Food Sci Technol*, 2020, 133, 110043, <https://doi.org/10.1016/j.lwt.2020.110043>.
40. Plessas, S., Kioussi, D. E., Rathosi, M., Alexopoulos, A., Kourkoutas, Y., Mantzourani, I., Galanis, A., Bezirtzoglou, E. Isolation of a *Lactobacillus paracasei* strain with probiotic attributes from kefir grains. *Biomedicines*, 2020, 8, 594, [doi:10.3390/biomedicines8120594](https://doi.org/10.3390/biomedicines8120594).
41. Kokkinomagoulos, E., Nikolaou, A., Kourkoutas, Y., Kandyliis, P. Evaluation of yeast strains for pomegranate alcoholic beverage production: Effect on physicochemical characteristics, antioxidant activity, and aroma compounds. *Microorganisms*, 2020, 8, 1583, <http://dx.doi.org/10.3390/microorganisms8101583>.
42. Yanni, A. E., Mitropoulou, G., Prapa, I., Agrogiannis, G., Kostomitsopoulos, N., Bezirtzoglou, E., Kourkoutas, Y., Karathanos, V. T. Functional modulation of gut microbiota in diabetic rats following dietary intervention with pistachio nuts (*Pistacia vera* L.). *Metabol Open*, 2020, 7, 100040.
43. Mitropoulou, G., Sidira, M., Skitsa, M., Tsochantaridis, I., Pappa, A., Dimtsoudis, C., Proestos, C., Kourkoutas, Y. Assessment of the antimicrobial, antioxidant, and antiproliferative potential of *Sideritis raeseri* subsp. *raeseri* essential oil. *Foods*, 2020, 9, 860, [doi:10.3390/foods9070860](https://doi.org/10.3390/foods9070860).
44. Nikolaou, A., Nelios, G., Kanellaki, M., Kourkoutas, Y. Freeze-dried immobilized kefir culture in cider-making. *J Sci Food Agric*, 2020, <https://doi.org/10.1002/jsfa.10363>.
45. Andreadelis, I., Chatziathanasiadou, M. V., Ntountaniotis, D., Valsami, G., Papaemmanouil, C., Christodoulou, E., Mitropoulou, G., Kourkoutas, Y., Tzakos A. G., Mavromoustakos, T. Charting the structural and thermodynamic determinants in phenolic acid natural product-cyclodextrin encapsulations. *J Biomol Struct Dyn*, 2020, <https://doi.org/10.1080/07391102.2020.1751716>.
46. Mitropoulou, G., Nikolaou, A., Santarmaki, V., Sgouros, G., Kourkoutas, Y. *Citrus medica* and *Cinnamomum zeylanicum* essential oils as potential biopreservatives against spoilage in low alcohol wine products. *Foods*, 2020, 9, 577, [doi:10.3390/foods9050577](https://doi.org/10.3390/foods9050577).
47. Nikolaou, A., Sgouros, G., Mitropoulou, G., Santarmaki, V., Kourkoutas, Y. Freeze-dried immobilized kefir culture in low alcoholic winemaking. *Foods*, 2020, 9, 115, [doi:10.3390/foods9020115](https://doi.org/10.3390/foods9020115).

48. Hamrouni, R., Molinet, J., Mitropoulou, G., Kourkoutas, Y., Dupuy, N., Masmoudi, A., Roussos, S. From flasks to single used bioreactors: Scale-up of solid state fermentation process for metabolites and conidia production by *Trichoderma asperellum*. *J Environ Manag*, 2019, 252, 109496.
49. Papadopoulou, O. S., Argyri, A. A., Varzakis, E., Sidira, M., Kourkoutas, Y., Galanis, A., Tassou, C., Chorianopoulos, N. G. Use of lactobacilli strains with probiotic potential in traditional fermented milk and their impact on quality and safety related to *Listeria monocytogenes*. *Int Dairy J*, 2019, 98, 44-53.
50. Dimitrellou, D., Kandylis, P., Kourkoutas, Y. Assessment of freeze-dried immobilized *Lactobacillus casei* as probiotic adjunct culture in yogurts. *Foods*, 2019, <http://dx.doi.org/10.3390/foods8090374>.
51. Dimitrellou, D., Kandylis, P., Lević, S., Petrović, T., Ivanović, S., Nedović, V., Kourkoutas, Y. Encapsulation of *Lactobacillus casei* ATCC 393 in alginate capsules for probiotic fermented milk production. *LWT-Food Sci Technol*, 2019, 116, 108501.
52. Sidira, M., Mitropoulou, G., Galanis, A., Kanellaki, M., Kourkoutas, Y. Effect of sugar content on quality characteristics and shelf-life of probiotic dry-fermented sausages produced by free or immobilized *Lactobacillus casei* ATCC 393. *Foods*, 2019, 8, 219, [doi:10.3390/foods8060219](https://doi.org/10.3390/foods8060219).
53. Nikolaou, A., Tsakiris, A., Kanellaki, M., Bezirtzoglou, E., Akrida-Demertzi, A., Kourkoutas, Y. Wine production using free and immobilized kefir culture on natural supports. *Food Chem*, 2019, 272, 39-48.
54. Kedraka, K., Kourkoutas, Y. Debates in teaching bioethics. *J Curric Teach*, 2018, 7, 32-41.
55. Fitsiou, E., Mitropoulou, G., Spyridopoulou, K., Vamvakias, M., Bardouki, H., Galanis, A., Chlichlia, K., Kourkoutas, Y., Panayotidis, I. M., Pappa, A. Chemical composition and evaluation of the biological properties of the essential oil of the dietary phytochemical *Lippia citriodora*. *Molecules*, 2018, 23, 123, [doi:10.3390/molecules23010123](https://doi.org/10.3390/molecules23010123).
56. Nikolaou, A., Kourkoutas, Y. Exploitation of olive oil mill wastewaters and molasses for ethanol production using immobilized cells of *Saccharomyces cerevisiae*. *Environ Sci Pollut Res*, 2018, 25, 7401-7408, [doi: 10.1007/s11356-017-1051-6](https://doi.org/10.1007/s11356-017-1051-6).
57. Dimitrellou, D., Kandylis, P., Kourkoutas, Y., Kanellaki, M. Novel probiotic whey cheese with immobilized lactobacilli on casein. *LWT-Food Sci Technol*, 2017, 86, 627-634.
58. Mitropoulou, G., Fitsiou, E., Spyridopoulou, K., Tiptiri-Kourpeti, A., Bardouki, H., Vamvakias, M., Panas, P., Chlichlia, K., Pappa, A., Kourkoutas, Y. *Citrus medica* essential oil exhibits significant antimicrobial and antiproliferative activity. *LWT-Food Sci Technol*, 2017, 84, 344-352.
59. Santarmaki, V., Kourkoutas, Y., Zoumpopoulou, G., Mavrogonatou, E., Kiourtzidis, M., Chorianopoulos, N., Tassou, C., Tsakalidou, E., Simopoulos, C., Ypsilantis, P. Survival, intestinal mucosa adhesion, and immunomodulatory potential of *Lactobacillus plantarum* strains. *Curr Microbiol*, 2017, [doi: 10.1007/s00284-017-1285-z](https://doi.org/10.1007/s00284-017-1285-z).
60. Vetas, D., Dimitropoulou, E., Mitropoulou, G., Kourkoutas, Y., Giaouris, E. Disinfection efficiencies of sage and spearmint essential oils against planktonic and biofilm *Staphylococcus aureus* cells in comparison with sodium hypochlorite. *Int J Food Microbiol*, 2017, 257, 19-25.
61. Tsimogiannis, D., Choulitoudi, E., Bimpilas, A., Mitropoulou, G., Kourkoutas, Y., Oreopoulou, V. Exploitation of the biological potential of *Satureja thymbra* essential oil and distillation by-products. *J Appl Res Med Aromat Plants*, 2017, 4, 12-20.
62. Plessas, S., Nouska, C., Mantzourani, I., Kourkoutas, Y., Alexopoulos, A., Bezirtzoglou, E. Microbiological exploration of different types of kefir grains. *Fermentation*, 2017, 3, 1, [doi:10.3390/fermentation3010001](https://doi.org/10.3390/fermentation3010001).

63. Nikolaou, A., Galanis, A., Kanellaki, M., Tassou, C., Akrida-Demertzi, K., Kourkoutas, Y. Assessment of free and immobilized kefir culture in simultaneous alcoholic and malolactic cider fermentations. *LWT-Food Sci Technol*, 2017, 76, 67-78.
64. Sidira, M., Santarmaki, V., Kiourtzidis, M., Argyri, A. A., Papadopoulou, O. S., Chorianopoulos, N., Tassou, C., Kaloutsas, S., Galanis, A., Kourkoutas, Y. Evaluation of immobilized *Lactobacillus plantarum* 2035 on whey protein as adjunct probiotic culture in yoghurt production. *LWT-Food Sci Technol*, 2017, 75, 137-146.
65. Fitsiou, E., Anestopoulos, I., Chlichlia, K., Galanis, A., Kourkoutas, I., Panayiotidis, M. I., Pappa, A. Antioxidant and antiproliferative properties of the essential oils of *Satureja thymbra* and *Satureja parnassica* and their major constituents. *Anticancer Res*, 2016, 36, 5757-5764.
66. Fitsiou, E., Mitropoulou, G., Spyridopoulou, K., Tiptiri-Kourpeti, A., Vamvakias, M., Bardouki, H., Panayotidis, M., Galanis, A., Kourkoutas, Y., Chlichlia, K., Pappa, A. Phytochemical profile and evaluation of the biological activities of essential oils derived from the Greek aromatic plant species *Ocimum bacillicum*, *Mentha spicata*, *Pimpinella anisum* and *Fortunella margarita*. *Molecules*, 2016, 21, 1069, [doi:10.3390/molecules21081069](https://doi.org/10.3390/molecules21081069).
67. Bezirtzoglou, E., Voidarou, C., Stavropoulou, E., Kourkoutas, Y., Alexopoulos, A., Plessas, S., Varzakas, T. Emerging antibiotic resistance in honey as a hazard for human health. *J Bacteriol Mycol Open Access*, 2016, 2(1), 00012, <http://dx.doi.org/10.15406/jbmoa.2016.02.00012>.
68. Nikolaou, A., Varzakas, T., Kourkoutas, Y. Effect of organic fertilization treatment, frying oil and cultivar variety on the volatile profile of potato tubers. *Cur Res Nutr Food Sci*, 2016, 4, 1-8, <http://dx.doi.org/10.12944/CRNFSJ.4.1.01>.
69. Saxami, G., Papadopoulou, O.S., Chorianopoulos, N., Kourkoutas, Y., Tassou, C. C., Galanis, A. Molecular detection of two potential probiotic lactobacilli strains and evaluation of their performance as starter adjuncts in yoghurt production. *Int J Mol Sci*, 2016, 17, 668, [doi:10.3390/ijms17050668](https://doi.org/10.3390/ijms17050668).
70. Dimitrellou, D., Kandylis, P., Petrović, T., Dimitrijević-Branković, S., Lević, S., Nedović, V., Kourkoutas, Y. Survival of spray dried microencapsulated *Lactobacillus casei* ATCC 393 in simulated gastrointestinal conditions and fermented milk. *LWT-Food Sci Technol*, 2016, 71, 169-174.
71. Dimitrellou, D., Kandylis, P., Kourkoutas, Y. Effect of cooling rate, freeze-drying, and storage on survival of free and immobilized *Lactobacillus casei* ATCC 393. *LWT-Food Sci Technol*, 2016, 69, 468-473.
72. Tiptiri-Kourpeti, A., Spyridopoulou, K., Santarmaki, V., Aindelis, G., Tompoulidou, E., Lamprianidou, E. E., Saxami, G., Ypsilantis, P., Lampri, E. S., Simopoulos, C., Kotsianidis, I., Galanis, A., Kourkoutas, Y., Dimitrellou, D., Chlichlia, K. *Lactobacillus casei* exerts anti-proliferative effects accompanied by apoptotic cell death and up-regulation of TRAIL in colon carcinoma cells. *PLoS ONE*, 2016, 11(2), e0147960, [doi:10.1371/journal.pone.0147960](https://doi.org/10.1371/journal.pone.0147960).
73. Sidira, M., Kandylis, P., Kanellaki, M., Kourkoutas, Y. Effect of curing salts and probiotic cultures on the evolution of flavor compounds in dry-fermented sausages during ripening. *Food Chem*, 2016, 201, 334-338.
74. Galanis, A., Kourkoutas, Y., Tassou, C., Chorianopoulos, N. Detection and identification of probiotic *Lactobacillus plantarum* strains by multiplex PCR using RAPD-derived primers. *Int J Mol Sci*, 2015, 16, 25141-25153.
75. Sidira, M., Kourkoutas, Y., Kanellaki, M., Charalampopoulos, D. *In vitro* study on the cell adhesion ability of immobilized lactobacilli on natural supports. *Food Res Int*, 2015, 76, 532-539.

76. Mitropoulou, G., Fitsiou, E., Stavropoulou, E., Papavasiliopoulou, E., Vamvakias, M., Pappa, A., Oreopoulou, A., Kourkoutas, Y. Composition, antimicrobial, antioxidant, and antiproliferative activity of *Origanum dictamnus* (dittany) essential oil. *Microb Ecol Health Dis*, 2015, 26, 26543, <http://dx.doi.org/10.3402/mehd.v26.26543>.
77. Dimitrellou, D., Kandyliis, P., Kourkoutas, Y., Koutinas, A. A., Kanellaki, M. Cheese production using kefir culture entrapped in milk proteins. *Appl Biochem Biotechnol*, 2015, 176, 213-230.
78. Sidira, M., Kandyliis, P., Kanellaki, M., Kourkoutas, Y. Effect of immobilized *Lactobacillus casei* on volatile compounds of heat treated probiotic dry-fermented sausages. *Food Chem*, 2015, 178, 201-207.
79. Sidira, M., Kandyliis, P., Kanellaki, M., Kourkoutas, Y. Effect of immobilized *Lactobacillus casei* on the evolution of flavor compounds in probiotic dry-fermented sausages during ripening. *Meat Sci*, 2015, 100, 41-51.
80. Dimitrellou, D., Kandyliis, P., Sidira, M., Koutinas, A. A., Kourkoutas, Y. Free and immobilized *Lactobacillus casei* ATCC 393 on whey protein as starter cultures for probiotic Feta-type cheese production. *J Dairy Sci*, 2014, 97, 4675-4685.
81. Sidira, M., Galanis, A., Nikolaou, A., Kanellaki, M., Kourkoutas, Y. Evaluation of *Lactobacillus casei* ATCC 393 protective effect against spoilage of probiotic dry-fermented sausages. *Food Control*, 2014, 42, 315-320.
82. Tsakiris, A., Kallithraka, S., Kourkoutas, Y. Grape brandy production, composition and sensory evaluation. *J Sci Food Agric*, 2014, 94, 404-414.
83. Sidira, M., Karapetsas, A., Galanis, A., Kanellaki, M., Kourkoutas, Y. Effective survival of immobilized *Lactobacillus casei* during ripening and heat treatment of probiotic dry-fermented sausages and investigation of the microbial dynamics. *Meat Sci*, 2014, 96, 948-955.
84. Mitropoulou, G., Nedovic, V., Goyal, A., Kourkoutas, Y. Immobilization technologies in probiotic food production. *J Nutr Metabol*, 2013, <http://dx.doi.org/10.1155/2013/716861>.
85. Ypsilantis, P., Lambropoulou, M., Kourkoutas, I., Pechivanis, A., Simopoulos, C. Liver radiofrequency ablation compromises the biological gut barrier. *Hum Exp Toxicol*, 2013, [doi: 10.1177/0960327113489049](http://dx.doi.org/10.1177/0960327113489049).
86. Sidira, M., Saxami, G., Dimitrellou, D., Santarmaki, V., Galanis, A., Kourkoutas, Y. Monitoring survival of *Lactobacillus casei* ATCC 393 in probiotic yogurts using an efficient molecular tool. *J Dairy Sci*, 2013, 96, 3369-3377.
87. Begea, M., Sirbu, A., Kourkoutas, Y., Dima, R. Single-cell protein production of *Candida* strains in culture media based on vegetal oils. *Romanian Biotechnol Lett*, 2012, 17, 7776-7786.
88. Prompona, D. K., Kandyliis, P., Tsakiris, A., Kanellaki, M., Kourkoutas, Y. Application of alternative technologies for elimination of artificial colourings in alcoholic beverages produced by *Citrus medica* and potential impact on human health. *Food Nutr Sci*, 2012, 3, 959-969.
89. Saxami, G., Ypsilantis, P., Sidira, M., Simopoulos, C., Kourkoutas, Y., Galanis, A. Distinct adhesion of probiotic strain *Lactobacillus casei* ATCC 393 to rat intestinal mucosa. *Anaerobe*, 2012, 18, 417-420.
90. Koutinas, A. A., Sypsas, V., Kandyliis, P., Michelis, A., Bekatorou, A., Kourkoutas, Y., Kordulis, C., Lycourghiotis, A., Banat, I. M., Nigam, P., Marchant, R., Giannouli, M., Yianoulis, P. Nano-tubular cellulose for bioprocess technology development. *PLoS ONE*, 2012, 7, e34350.

91. Tsakiris, A., Sotirakoglou, K., Kandylis, P., Kaldis, P., Tzia, C., Kourkoutas, Y. Price estimation and economic evaluation of the production cost of red wines produced by immobilized cells on dried raisin berries. *Int J Wine Res*, 2011, 3, 1-8.
92. Kandylis, P., Vekiari, A. S., Kanellaki, M., Grati Kamoun, N., Msallem, M., Kourkoutas, Y. Comparative study of extra virgin olive oil flavor profile of Koroneiki variety (*Olea europaea* var. *Microcarpa alba*) cultivated in Greece and Tunisia during one period of harvesting. *LWT-Food Sci Technol*, 2011, 44, 1333-1341.
93. Nikolaou, A., Saxami, G., Kourkoutas, Y., Galanis, A. A new methodology for rapid detection of *Lactobacillus delbrueckii* subsp. *bulgaricus* based on multiplex PCR. *J Microbiol Meth*, 2011, 84, 362-364.
94. Hondrodinou, O., Kourkoutas, Y., Panagou, E. Z. Efficacy of natamycin to control fungal growth in natural black olive fermentation. *Food Microbiol*, 2011, 28, 621-627.
95. Sidira, M., Galanis, A., Ypsilantis, P., Karapetsas, A., Progaki, Z., Simopoulos, C., Kourkoutas, Y. Effect of probiotic-fermented milk administration on gastrointestinal survival of *Lactobacillus casei* ATCC 393 and modulation of intestinal microbial flora. *J Mol Microbiol Biotechnol*, 2010, 19, 224-230.
96. Tsakiris, A., Kandylis, P., Bekatorou, A., Kourkoutas, Y., Koutinas, A. A. Dry red wine making using yeast immobilized on cork pieces. *Appl Biochem Biotechnol*, 2010, 162, 1316-1326.
97. Tsakiris, A., Koutinas, A. A., Psarianos, C., Kourkoutas, Y., Bekatorou, A. A new process for wine production by penetration of yeast in uncrushed frozen grapes. *Appl Biochem Biotechnol*, 2010, 162, 1109-1121.
98. Vekiari, S.A., Oreopoulou, V., Kourkoutas, Y., Kamoun, N., Msallem, M., Psimouli, V., Arapoglou, D. Characterization and seasonal variation of the quality of virgin olive oil of the Throumbolia and Koroneiki varieties from Southern Greece. *Grasas y Aceites*, 2010, 61, 221-231.
99. Karapetsas, A., Vavoulidis, E., Galanis, A., Sandaltzopoulos, R., Kourkoutas, Y. Rapid detection and identification of probiotic *Lactobacillus casei* ATCC 393 by multiplex PCR. *J Mol Microbiol Biotechnol*, 2010, 18, 156-161.
100. Dimitrellou, D., Kandylis, P., Mallouchos, A., Komaitis, M., Koutinas, A. A., Kourkoutas, Y. Effect of freeze-dried kefir culture on proteolysis of feta-type and whey-cheeses. *Food Chem*, 2010, 119, 795-800.
101. Chorianopoulos, N. G., Giaouris, E. D., Kourkoutas, Y., Nychas, G.-J. Inhibition of the early stage of *Salmonella enterica* serovar Enteritidis biofilm development on stainless steel by cell-free supernatant of a *Hafnia alvei* culture. *Appl Environ Microbiol*, 2010, 76, 2018-2022.
102. Koutinas, A. A., Bekatorou, A., Katechaki, E., Dimitrellou, D., Kopsahelis, N., Papapostolou, H., Panas, P., Sideris, K., Kallis, M., Bosnea, L.A., Koliopoulos, D., Sotiropoulos, P., Panteli, A., Kourkoutas, Y., Kanellaki, M., Soupioni, M. Scale-up of thermally dried kefir production as starter culture for hard-type cheese making: An economic evaluation. *Appl Biochem Biotechnol*, 2010, 160, 1734-1743.
103. Bosnea, L., Kourkoutas, Y., Albantaki, N., Tzia, C., Koutinas, A. A., Kanellaki, M. Functionality of freeze-dried *L. casei* cells immobilized on wheat grains. *LWT- Food Sci Technol*, 2009, 42, 1696-1702.
104. Dimitrellou, D., Kourkoutas, Y., Koutinas, A. A., Kanellaki, M. Thermally-dried immobilized kefir on casein as starter culture in dried whey cheese production. *Food Microbiol*, 2009, 26, 809-820.

105. Kopsahelis, N., Nisiotou, A., Kourkoutas, Y., Panas, P., Nychas, G. J.-E., Kanellaki, M. Molecular characterization and molasses fermentation performance of a wild yeast strain operating in an extremely wide temperature range. *Bioresour Technol*, 2009, 100, 4854-4862.
106. Dimitrellou, D., Kandyliis, P., Kourkoutas, Y., Koutinas, A. A., Kanellaki, M. Evaluation of thermally-dried *Kluyveromyces marxianus* as baker's yeast. *Food Chem*, 2009, 115, 691-696.
107. Katechaki, E., Panas, P., Kourkoutas, Y., Koliopoulos, D., Koutinas, A. A. Thermally-dried free and immobilized kefir cells as starter culture in hard-type cheese production. *Bioresour Technol*, 2009, 100, 3618-3624.
108. Sipsas, V., Kolokythas, G., Kourkoutas, Y., Plessas, S., Nedovic, V. A., Kanellaki, M. Comparative study of batch and continuous Multi-Stage Fixed-Bed Tower (MFBT) bioreactor during wine-making using freeze-dried immobilized cells. *J Food Eng*, 2009, 90, 495-503.
109. Dimitrellou, D., Tsaousi, K., Kourkoutas, Y., Panas, P., Kanellaki, M., Koutinas, A.A. Fermentation efficiency of thermally-dried immobilized kefir on casein as starter culture. *Process Biochem*, 2008, 43, 1323-1329.
110. Papavasiliou, G., Kourkoutas, Y., Rapti, A., Sipsas, V., Koutinas, A. A., Soupioni, M. Production of freeze-dried kefir culture using whey. *Int Dairy J*, 2008, 13, 247-254.
111. Plessas, S., Koliopoulos, D., Kourkoutas, Y., Psarianos, C., Alexopoulos, A., Marchant, R., Banat, I. M., Koutinas, A.A. Upgrading of discarded oranges through fermentation using kefir in food industry. *Food Chem*, 2008, 106, 40-49.
112. Kopsahelis, N., Panas, P., Kourkoutas, Y., Koutinas, A. A. Evaluation of thermally-dried immobilized cells of *Lactobacillus delbrueckii* subsp. *bulgaricus* on apple pieces as a potent starter culture. *J Agric Food Chem*, 2007, 55, 9829-9836.
113. Dimitrellou, D., Kourkoutas, Y., Banat, I. M., Marchant, R., Koutinas, A. A. Whey cheese production using freeze-dried kefir co-culture as a starter. *J Appl Microbiol*, 2007, 103, 1170-1183.
114. Kourkoutas, Y., Sipsas, V., Papavasiliou, G., Koutinas, A. A. An economic evaluation of freeze-dried kefir starter culture production using whey. *J Dairy Sci*, 2007, 90, 2175-2180.
115. Kourkoutas, Y., Kanellaki, M., Koutinas, A. A. Apple pieces as immobilization support of various microorganisms. *LWT-Food Sci Technol*, 2006, 39, 980-986.
116. Kourkoutas, Y., Kandyliis, P., Panas, P., Dooley, J. S. G, Nigam, P., Koutinas, A. A. Evaluation of freeze-dried kefir co-culture as starter in Greek Feta-type cheese production. *Appl Environ Microbiol*, 2006, 72, 6124-6135.
117. Kourkoutas, Y., Bosnea, L., Taboukos, S., Baras, C., Lambrou, D., Kanellaki, M. Probiotic cheese production using *Lactobacillus casei* cells immobilized on fruit pieces. *J Dairy Sci*, 2006, 89, 1431-1451.
118. Kourkoutas, Y., Kanellaki, M., Koutinas, A. A., Tzia, C. Effect of storage of immobilized cells at ambient temperature on volatiles during wine-making. *J Food Eng*, 2006, 74, 217-223.
119. Tsakiris, A., Kourkoutas, Y., Koutinas, A. A., Psarianos, C., Kanellaki, M. Wine produced by immobilized cells on dried raisin berries in sensory evaluation comparison with commercial products. *J Sci Food Agric*, 2006, 86, 539-543.
120. Plessas, S., Kourkoutas, Y., Psarianos, C., Kanellaki, M., Koutinas, A. A. Continuous baker's yeast production using orange peel as promoting support in the bioreactor. *J Sci Food Agric*, 2006, 86, 407-414.
121. Kourkoutas, Y., Kanellaki, M., Koutinas, A. A., Tzia, C. Effect of fermentation conditions and immobilization supports on the wine-making. *J Food Eng*, 2005, 69, 115-123.

122. Kourkoutas, Y., Xolias, V., Kallis, M., Bezirtzoglou, E., Kanellaki, M. *Lactobacillus casei* immobilization on fruit pieces for probiotic additive, fermented milk and lactic acid production. *Process Biochem*, 2005, 40, 411-416.
123. Mallios, P., Kourkoutas, Y., Iconomopoulou, M., Koutinas, A. A., Psarianos, C., Marchant, R., Banat, I.M. Low temperature wine-making using yeast immobilized on pear pieces. *J Sci Food Agric*, 2004, 84, 1615-1623.
124. Kourkoutas, Y., Becatorou, A., Banat, I. M., Marchant, R., Koutinas, A. A. Immobilization technologies and support materials suitable in alcoholic beverages production: a review. *Food Microbiol*, 2004, 21, 377-397.
125. Kourkoutas, Y., McErlean, C., Kanellaki, M., Hack, C.J., Marchant, R., Banat, I. M., Koutinas, A. A. High temperature wine-making using the thermophilic yeast strain *Kluyveromyces marxianus* IMB3. *Appl Biochem Biotech*, 2004, 112, 25-36.
126. Rahman, K. S. M., Thahira-Rahman, J., Kourkoutas, Y., Petsas, I., Banat, I. M. Enhanced bioremediation of *n*-alkane petroleum sludge using bacterial consortium amended with rhamnolipid and micro-nutrients. *Bioresour Technol*, 2003, 90, 159-168.
127. Kourkoutas, Y., Douma, M., Koutinas, A. A., Kanellaki, M., Banat, I. M., Marchant, R. Continuous wine-making fermentation using quince immobilized yeast at room and low temperatures. *Process Biochem*, 2003, 39, 143-148.
128. Elezi, O., Kourkoutas, Y., Koutinas, A. A., Kanellaki, M., Bezirtzoglou, E., Barnett, Y. A., Nigam, P. Food additive lactic acid production by immobilized cells of *Lactobacillus brevis* on delignified cellulosic material. *J Agric Food Chem*, 2003, 51, 5285-5289.
129. Kourkoutas, Y., Komaitis, M., Koutinas, A. A., Kaliafas, A., Kanellaki, M., Marchant, R., Banat, I.M. Wine production using yeast immobilized on quince biocatalyst at temperatures between 30 and 0°C. *Food Chem*, 2003, 82, 353-360.
130. Kourkoutas, Y., Kanellaki, M., Koutinas, A. A., Banat, I. M., Marchant, R. Storage of immobilized yeast cells for use in wine-making at ambient temperature. *J Agric Food Chem*, 2003, 51, 654-658.
131. Kourkoutas, Y., Psarianos, C., Koutinas, A. A., Kanellaki, M., Banat, I. M., Marchant, R. Continuous whey fermentation using kefir yeast immobilized on delignified cellulosic material. *J Agric Food Chem*, 2002, 50, 2543-2547.
132. Kourkoutas, Y., Koutinas, A. A., Kanellaki, M., Banat, I. M., Marchant, R. Continuous wine fermentation using a psychrophilic yeast immobilized on apple cuts at different temperatures. *Food Microbiol*, 2002, 19, 127-134.
133. Kourkoutas, Y., Dimitropoulou, S., Kanellaki, M., Marchant, R., Nigam, P., Banat, I. M., Koutinas, A. A. High-temperature alcoholic fermentation of whey using *Kluyveromyces marxianus* IMB3 yeast immobilized on delignified cellulosic material. *Bioresour Technol*, 2002, 82, 177-181.
134. Kourkoutas, Y., Komaitis, M., Koutinas, A. A., Kanellaki, M. Wine production using yeast immobilized on apple pieces at low and room temperatures. *J Agric Food Chem*, 2001, 49, 1417-1425.

Editorials:

1. Yanni, A., Kourkoutas, Y. Editorial on the Research Topic: Functional Foods and Bioactive Compounds for Improving and Maintaining Digestive Health. *Front Nutr*, 2022, <https://doi.org/10.3389/fnut.2021.815370>.

2. Kourkoutas, Y., Chorianopoulos, N., Nisiotou, A., Valdramidis, V. P., Karatzas, K. A. G. Application of Innovative Technologies for Improved Food Quality and Safety. *Biomed Res Int*, 2016, Article ID 9160375, <https://doi.org/10.1155/2016/9160375>.
3. Kourkoutas, Y., Chorianopoulos, N., Karatzas, K. A. G., Banat, I. M. Bioactive Natural Products 2016. *Biomed Res Int*, 2016, Article ID 9749305, <http://dx.doi.org/10.1155/2016/9749305>.
4. Kourkoutas, Y., Karatzas, K. A. G., Chorianopoulos, N., Valramidis, V. P. Bioactive Natural Products: Facts, Applications, and Challenges. *Biomed Res Int*, 2015, Article ID 684109, <http://dx.doi.org/10.1155/2015/684109>.
5. Kourkoutas, Y., Proestos, C. Food Preservation. Challenges and Efforts for the Future. *Foods*, 2020, 9(4), 391, doi: [10.3390/foods9040391](https://doi.org/10.3390/foods9040391).
6. Kourkoutas, Y., Chorianopoulos, N., Lazar, V., Di Ciccio, P. Bioactive Natural Products 2018. *Biomed Res Int*, 2018, Article ID 5063437, <https://doi.org/10.1155/2018/5063437>.

Articles in Books:

Prof. Y. Kourkoutas has published 15 articles in books.

Articles in books (selected):

1. Madigan, M. T., Martinko, J. M., Bender, K. S., Buckley, D. H., Stahl, D. A. *Brock Biology of Microorganisms*, Crete University Press, Hraklion, Crete, 2018. Translation in Greek: Chapters 17 & 29: (pp. 617-642, 981-1015).
2. Dimitrellou, D., Sidira, M., Charalampopoulos, D., Ypsilantis, P., Galanis, A., Simopoulos, C., Kourkoutas, Y. Effect of cell immobilization on properties of presumptive probiotics. In: Nedović, V., Raspor, P., Lević, J., Šaponjac, V.T., Barbosa-Cánovas, G. V. *Emerging and traditional technologies for safe, healthy, and quality food*, Springer Cham Heidelberg New York Dordrecht London, 2016, (pp. 257-268).
3. Sidira, M., Kanellaki, M., Kourkoutas, Y. Profile of aroma-related volatile compounds isolated from probiotic dry-fermented sausages produced with free or immobilized *L. casei* using SPME GC/MS analysis. In: Ho, C.T., Mussinan, C., Shahidi, S., Tratras Contis, E. *Nutrition, Functional and Sensory Properties of Foods*, RSC Publishing, Cambridge, UK, 2013 (pp. 135-147).
4. Sidira, M., Galanis, A., Ypsilantis, P., Simopoulos, C., Kourkoutas, Y. Novel probiotic foods containing immobilized lactic acid bacteria. In: Soccol, C. R., Pandey, A., Soccol, V. T., Larroche, C. *Advances in bioprocesses in food industry*, Asiotech Publishers INC, New Delhi, 2011, (pp. 83-93).
5. Sidira, M., Dimitrellou, D., Kanellaki, M., Kourkoutas, Y. Volatile compounds of probiotic fermented sausages produced using immobilized *L. casei* on wheat. In: Ho, C-T., Mussinan, C.J., Shahidi, F., Tratras Contis, E. *Recent advances in food and flavor chemistry. Food flavors and encapsulation, health benefits, analytical methods and molecular biology of functional foods*, RSC Publishing, Cambridge, UK, 2010, (pp.178-184).
6. Kourkoutas, Y., Manolović, V., Nedović, V. Immobilization of microbial cells for alcoholic and malolactic fermentation of wine and cider. In: Zuidam, N. J., Nedović, V. *Encapsulation technologies for active food ingredients and food processing*, Springer, New York, 2010, (pp. 327-343).
7. Kourkoutas, Y., Kanellaki, M., Koutinas, A.A. Fruit-based immobilized biocatalysts: Their potential in food production. In: Vendkateswar Rao, L., Pandey, A., Larroche, C., Soccol, C.R.,

Dussap, C-G. *Current topics on bioprocesses in food industry*, Asiatech Publishers, INC, New Delhi, 2010, (pp. 93-104).

8. Kourkoutas, Y. The potential of kefir starter culture in food production. In: Pandey, A., Larroche, C., Soccol, C. R., Dussap, C. G. *New horizons in biotechnology*, Asiatech Publishers, INC, New Delhi, 2009, (pp. 323-335).

9. Kourkoutas, Y. Materials used as immobilized yeast support. In: *Auxiliary Materials in Brewing Technology*, 2008, (pp. 39-52).

10. Psarianos, C., Kourkoutas, Y. Functional foods: Immobilization of probiotic bacteria on plant vectors for the production of value added and healthy products. In: Govil, J. N., Singh, V. K., Khalil Ahmad. *Recent Progress in Medicinal Plants. Biopharmaceuticals*, 2006, vol. 14, (pp. 453-475).

11. Kourkoutas, Y., Kanellaki, M., Bekatorou, A., Iconomopoulou, M., Malouchos A., Koutinas, A. A. Flavor in wines produced by cells immobilized on various supports. In: Spanier, A.M., Shahidi, F., Parliament, T.H., Mussinan, C., Ho, C-T., Tratras, Contis, E. *Food flavor and chemistry. Explorations into the 21st Century*, UK, 2005, (pp. 51-60).

12. Kourkoutas, Y., Banat, I. M. Biosurfactant production and application. In: *Concise Encyclopedia of Bioresource Technology*, Haworth Press, (Ashok Pandey Ed.), USA, 2004, (pp. 505-515).

Proceedings in International Conferences:

Prof. Y. Kourkoutas has published more than 120 proceedings in international conferences.

Proceedings in international conferences (selected):

1. Mitropoulou, G., Karapantzou, I., Prapa, I., Papanikolaou, D., Charovas, V., Kourkoutas, Y. Physicochemical, microbial, and microbiome dynamics in winery waste composting. 11th International Conference on Sustainable Solid Waste Management, Rhodes, Greece, 19 – 22 June 2024.

2. Nelios, Γ., Prapa, I., Kompoura, V., Mitropoulou, G., Yanni, A. E., Kostomitsopoulos, N., Kourkoutas, Y. Oat flakes (*Avena Sativa*) restore gut microbiota balance in an experimental type 1 diabetes animal model. 16th International Scientific Conference on Probiotics, Prebiotics, Gut Microbiota and Health (IPC-2023), Bratislava, Slovakia, 20-22 June 2023 (p. 126).

3. Prapa, I., Pavlatou, C., Stylianopoulou, E., Tegopoulos, K., Tsourekis, A., Argiriou, A., Kolovos, P., Grigoriou, M., Panas, P., Kourkoutas, Y. Novel Presumptive Probiotic Strains for Functional Food Ingredients. IPA World Congress + Probiota 2023, Barcelona, Spain, 6-8 February 2023.

4. Mitropoulou, G., Kompoura, V., Karapantzou, I., Gkalpinos, V. K., Vasdekis, E., Anagnostou, V. A., Tsiailanis, A. D., Kourkoutas, Y, Tzakos, A. G. *Salvia officinalis* plant extracts as potent functional regulators of food microbiota. IPA World Congress + Probiota 2023, Barcelona, Spain, 6-8 February 2023.

5. Tegopoulos, K., Tsirka, T., Vamvouraki, A., Farmakioti, I., Prapa, I., Kourkoutas, Y., Skavdis, G., Kolovos, P., Grigoriou, M. E. Whole Genome Sequencing and bioinformatic analysis for the characterization of the novel probiotic candidate *Lactocaseibacillus rhamnosus* LrN. NextGen Omics International Conference 2023, London, UK, 8-10 November 2023.

6. Farmakioti, I., Stylianopoulou, E., Karagianni, E., Siskos, N., Kandylas, D., Tsirka, T., Tegopoulos, K., Vassileiou, A. R., Angelopoulou, L, Somalou, P., Tsaroucha, A., Ypsilantis. P., Kourkoutas, Y., Kolovos, P., Skavdis, G., Grigoriou, M. E. Analysing the effects of a novel

- probiotic strain on the gut microbiota of healthy mice. NextGen Omics International Conference 2023, London, UK, 8-10 November 2023.
7. Prapa, I., Nelios, G., Pavlatou, C., Somalou, P., Yanni, A. E., Kostomitsopoulos, N., Panas, P., Kourkoutas, Y. Developing functional food ingredients for maintaining digestive health in Type-1 Diabetes. 30th International Conference of FFC - 18th International Symposium of ASFFBC. Lemnos, Greece, 23-25 September 2022.
 8. Mitropoulou, G., Karapantzou, I., Vasileios, G. K., Tzakos, A. G., Kourkoutas, Y. Greek endemic plant extracts as potential biopreservatives against foodborne pathogens. 30th International Conference of FFC - 18th International Symposium of ASFFBC, Myrina, Lemnos, Greece, 23-25 September 2022.
 9. Pavlatou, C., Prapa, I., Kompoura, V., Kourkoutas, Y. *In vitro* evaluation of functional properties of wild-type lactic acid bacteria isolated from various sources. 30th International Conference of FFC - 18th International Symposium of ASFFBC, Myrina, Lemnos, Greece, 23-25 September 2022.
 10. Kompoura, V., Karapantzou, I., Mitropoulou, G., Gkalpinos, K. V., Tzakos, A. G., Kourkoutas, Y. Greek endemic plant extracts as potent growth stimulators of probiotic bacteria. 30th International Conference of FFC - 18th International Symposium of ASFFBC, Myrina, Lemnos, Greece, 23-25 September 2022.
 11. Stylianopoulou, E., Daviti, A., Nikolaou, A., Kourkoutas, Y., Grigoriou, M. E., Skavdis, G., Palaiologou, K. A whole-cell biosensor for the *in vivo* assessment of the anti-amyloidogenic properties of essential oils from Greek endemic species. 30th International Conference of FFC - 18th International Symposium of ASFFBC, Myrina, Lemnos, Greece, 23-25 September 2022.
 12. Farmakioti, I., Stylianopoulou, E., Karagianni, E., Siskos, N., Kandylas, D., Tsirka, T., Tegopoulos, K., Vassileiou, A. R., Somalou, P., Tsaroucha, A., Ypsilantis, P., Kourkoutas, Y., Kolovos, P., Skavdis, G., Grigoriou, M. E. Effect of a novel probiotic strain in the microbial community of the mouse gut. 30th International Conference of FFC - 18th International Symposium of ASFFBC, Myrina, Lemnos, Greece, 23-25 September 2022.
 13. Tegopoulos, K., Tsirka, T., Vamvouraki, A., Farmakioti, I., Prapa, I., Kourkoutas, Y., Skavdis, G., Kolovos, P., Grigoriou, M. E. Microbial Whole Genome Sequencing and bioinformatic analysis for the characterization of novel probiotic strains. 30th International Conference of FFC - 18th International Symposium of ASFFBC, Myrina, Lemnos, Greece, 23-25 September 2022.
 14. Nikolaou, A., Kourkoutas, Y. Novel semi-dry and sweet low alcohol wine fermented with immobilized kefir culture. 30th International Conference of FFC – 18th International Symposium of ASFFBC, Myrina, Lemnos, Greece, 23-25 September 2022 (pp. 53-55).
 15. Mitropoulou, G., Nelios, G., Kourkoutas, Y. Pathogenic biofilm removal of wild type *Lactocaseibacillus rhamnosus* strains. 30th International Conference of FFC - 18th International Symposium of ASFFBC, Myrina, Lemnos, Greece, 23-25 September 2022.
 16. Mitropoulou, G., Nikolaou, A., Nelios, G., Dimitrellou, D., Kourkoutas, Y. *Lactocaseibacillus rhamnosus* as potential preservative agent in functional grape juices. 27th International ICFMH Conference – FoodMicro 2022, Athens, Greece, 28-31 August 2022.
 17. Prapa, I., Santarmaki, V., Nelios, G., Kompoura, V., Kourkoutas, Y., Tsigalou, C., Nena, E., Bezirtzoglou, E. Research protocol for the identification of target populations for interventions to improve gut microbiome to prevent diabetes mellitus in rural populations of Thrace, NE Greece. "HEALTH AND WELLBEING FOR ALL - HEADING FOR THE FUTURE, 13th Nordic Public Health Conference, Reykjavík, Iceland, 28-30 June 2022.

18. Pavlatou, C., Mitropoulou, G., Nelios, G., Dalani, E., Panas, P., Kourkoutas, Y. Novel wild type lactic acid bacteria as probiotic candidates to regulate food and gut microbiome. 15th International Scientific Conference on Probiotics, Prebiotics, Gut Microbiota and Health (IPC-2022), Bratislava, Slovakia, 27-30 June 2022 (p. 113).
19. Mitropoulou, G., Pavlatou, C., Vrettos, E., Gkalpinos, V., Panas, P., Tzakos, A., Kourkoutas, Y. Greek endemic medicinal plant extracts as effective growth stimulators of presumptive probiotic bacteria. 15th International Scientific Conference on Probiotics, Prebiotics, Gut Microbiota and Health, Bratislava, Slovakia, 27-30 June 2022 (p. 110).
20. Ieronymaki, E., Santarmaki, V., Somalou, P., Feidaki, R., Panas, P., Argiriou, A., Kourkoutas, Y., Tsatsanis, C. Effect of a novel *Pediococcus acidilactici* strain on obesity-Associated Insulin resistance in a short-Term high fat diet mouse model. 15th International Scientific Conference on Probiotics, Prebiotics, Gut Microbiota and Health, Bratislava, Slovakia, 27-30 June 2022 (p. 107).
21. Somalou, P., Giokari, V., Panas, P., Kourkoutas, Y. Novel functional food ingredients based on immobilized *Lactiplantibacillus pentosus* cells. 15th International Scientific Conference on Probiotics, Prebiotics, Gut Microbiota and Health, Bratislava, Slovakia, 27-30 June 2022 (p. 86).
22. Nelios, G., Kourkoutas, Y. Assessment of agro-industrial residues and food wastes potential for production of high-Added value functional food and animal feed ingredients. 9th International Conference on Engineering for Waste and Biomass Valorisation-WasteEng22, Copenhagen, Denmark, 27-30 June 2022.
23. Mitropoulou, G., Prapa, I., Nikolaou, A., Chorianopoulos, N., Tassou, C., Tegopoulos, K., Grigoriou, M. E., Kolovos, P., Tsirka, T., Kourkoutas, Y. Feta cheese microbiome as an authenticity tool for distinguishing probiotic cultures. 41st International Congress of the Society for Microbial Ecology in Health and Disease (SOMED), Alexandroupolis, Greece, 14-16 June 2022.
24. Prapa, I., Kompoura, V., Yanni, A., Mitropoulou, G., Balafas, E., Panas, P., Kostomitsopoulos, N., Karathanos, V., Bezirtzoglou, E., Kourkoutas, Y. Immobilized probiotics on pistachio nuts as functional food ingredients to modulate intestinal microbiome composition in streptozotocin-induced diabetic rats. 41st International Congress of the Society for Microbial Ecology in Health and Disease (SOMED), Alexandroupolis, Greece, 14-16 June 2022.
25. Pavlatou, C., Kompoura, V., Nelios, G., Moustakas, K., Plessas, S., Matzourani, I., Alexopoulos, A., Bezirtzoglou, E., Kourkoutas, Y. Novel functional food ingredients containing immobilized *Pediococcus acidilactici* ORE5 on high fiber components, 41st International Congress of the Society for Microbial Ecology in Health and Disease (SOMED), Alexandroupolis, Greece, 14-16 June 2022.
26. Mitropoulou, G., Nelios, G., Benti, D., Kourkoutas, Y. Biofilm removal activity of wild type lactic acid bacteria. 9th Conference of Mikrobiokosmos, Athens, Greece, 16-18 December 2021.
27. Nelios, G., Nikolaou, A., Santarmaki, V., Kourkoutas, Y. Immobilized probiotics as effective delivery vehicles ensuring cell survival under simulated gastrointestinal transit. 9th Conference of Mikrobiokosmos, Athens, Greece, 16-18 December 2021.
28. Nelios, G., Santarmaki, V., Nikolaou, A., Kourkoutas, Y. New presumptive probiotic strains for management of Type-1 Diabetes. 35th European Federation of Food Science and Technology International Conference 2021 (EFFoST), Lausanne, Switzerland, 1-4 November 2021.
29. Nelios, G., Santarmaki, V., Nikolaou, A., Mitropoulou, G., Kourkoutas, Y. Novel functional breakfast cereals fortified with freeze-dried immobilized probiotics with potential antidiabetic capability. 35th European Federation of Food Science and Technology International Conference 2021 (EFFoST), Lausanne, Switzerland, 1-4 November 2021.

30. Prapa, I., Santarmaki, V., Pavlatou, C., Panas, P., Kourkoutas, Y., Bezirtzoglou, E. Developing functional food ingredients for gut microbiota modulation in Type-1 Diabetes mellitus. 35th European Federation of Food Science and Technology International Conference 2021 (EFFoST). Lausanne, Switzerland, 1-4 November 2021.
31. Nelios, G., Nikolaou, A., Kourkoutas, Y., Michalopoulos, V., Panas, P. Semi-industrial development of novel functional food products containing immobilized probiotic cultures. 6th International ISEKI Food Conference, 23-25 June 2021 (p. 127).
32. Nelios, G., Nikolaou, A., Panas, P., Kourkoutas, Y. Developing novel functional foods with immobilized probiotic cultures on prebiotics. 9th International Congress on Biotechnology and Food Sciences, Scitech Biotech-Food Sciences 2020, *Food Nutr Current Res*, ISSN: 2638 - 1095, 23-24 September 2020, 3(S1) (p. 20).
33. Nikolaou, A., Nelios, G., Panas, P., Kourkoutas, Y. Development of functional food ingredients containing immobilized probiotics. 2020 11th International Conference on Biotechnology and Food Science, Amsterdam, Netherlands, 13-15 March 2020 (p. 27).
34. Feidaki, K., Michailidou, S., Tsiolas, G., Mouchtaropoulou, E., Kourkoutas, Y., Panas, P., Argiriou, A. Genomic characterization of novel probiotic strains from Greek traditional foods. Probiota 2020, Dublin, 10-12 February 2020.
35. Plessas, S., Alexopoulos, A., Kourkoutas, Y., Galanis, A., Mantzourani, I., Bezirtzoglou, E. Molecular identification of a novel *L. paracasei* AGR 4 from kefir grains with potential probiotic properties. 4th International Conference SEEC, CSIR-National Environmental Research Institute, Nagpur, Maharastra, India, 27-29 November 2019.
36. Prapa, I., Mitropoulou, G., Yanni, A. E., Maragkopoulou, E., Kostomitsopoulos, N., Karathanos, V. T., Kourkoutas, Y., Bezirtzoglou, E. Pistachio nuts (*Pistachia vera* L.) restores fecal microbiota in streptozotocin-induced diabetic rats. International Conference on New Horizons in Biotechnology (NHBT-2019), Trivandrum, Kerala, India, November 20-24, 2019.
37. Bezirtzoglou, E., Kourkoutas, Y., Ziridou, E., Mitropoulou, G., Yanni, A. E., Kostomitsopoulos, N., Karathanos, V. T. The pivotal role of nutrition for maintaining a good health status. International Conference on Advances in Food and Industrial Biotechnology (BIOSPECTRUM-2019), Tiruvalla, Kerala, India, November 24-26, 2019.
38. Mitropoulou, G., Nikolaou, A., Santarmaki, V., Sgouros, G., Kourkoutas, Y. Assessment of *Citrus medica* and *Cinnamomum zeylanicum* essential oils as biopreservatives against spoilage microbes in low alcohol wine products. International Conference on Food and Biosystems Engineering (FABE 2019), poster 074, Crete, Greece, 30 May-02 June 2019 (p. 223).
39. Prapa, I., Mitropoulou, G., Yanni, A. E., Maragkopoulou, E., Kostomitsopoulos, N., Karathanos, V. T., Bezirtzoglou, E., Kourkoutas, Y. Dietary pistachio (*Pistacia vera* L.) balances intestinal microbiota in streptozotocin-induced diabetic rat. International Conference on Food and Biosystems Engineering (FABE 2019), poster 073, Crete, Greece, 30 May-02 June 2019 (pp. 221-222).
40. Nikolaou, A., Sgouros, G., Mitropoulou, G., Santarmaki, V., Kourkoutas, Y. Monitoring cell viability during storage and fermentation efficiency of freeze-dried kefir culture in wine-making. International Conference on Food and Biosystems Engineering (FABE 2019), poster 069, Crete, Greece, 30 May-02 June 2019 (p. 220).
41. Santarmaki, V., Nikolaou, A., Mitropoulou, G., Sgouros, G., Kourkoutas, Y. Developing novel wine products containing biopreservatives and probiotic immobilized cells. International Conference on Food and Biosystems Engineering (FABE 2019), poster 062, Crete, Greece, 30 May-02 June 2019 (p. 199).

42. Mantzourani, I., Alexopoulos, A., Kourkoutas, Y., Tsigalou, C., Voidarou, C., Bezirtzoglou, E., Plessas, S. Isolation of a novel potentially probiotic lactic acid bacteria from kefir grains. 8th International Conference on Bioprocessing (IFIBiop 2019), Misri, Malaysia, 1-5 May 2019.
43. Prapa, I., Mitropoulou, G., Yanni, A., Kostomitsopoulos, N., Karathanos, V., Kourkoutas, Y. Effect of pistachio (*Pistacia vera* L.) on the fecal microbiota population of streptozotocin-induced diabetic rat. 8th Conference of the Hellenic Society of Mikrobiokosmos, oral presentation O8, Patras, Greece, 18-20 April 2019 (p. 9).
44. Mitropoulou, G., Nikolaou, A., Santarmaki, V., Sgouros, G., Kourkoutas, Y. *Citrus medica* and *Cinnamomum zeylanicum* essential oil mixture as potential biopreservative agent against low alcohol wine spoilage. 8th Conference of the Hellenic Society of Mikrobiokosmos, poster presentation P92, Patras, Greece, 18-20 April 2019 (p. 125).
45. Panas, P., Kourkoutas, Y. Developing effective functional constituents for inserting probiotic cultures in foods. Probiota-2019, Copenhagen, 13-15 February 2019.
46. Santarmaki, V., Prapa I., Mitropoulou, G., Yanni, A., Kostomitsopoulos N., Karathanos, T. V., Kourkoutas, Y. Prebiotic natural immobilization supports as effective protective delivery systems of functional cultures. 40th International Congress of the Society for Microbial Ecology and Diseases-SOMED Congress, Budapest, Hungary, 18-19 June 2018 (p. 26).
47. Nikolaou, A., Mitropoulou, G., Kourkoutas, Y., Roussos, S. Resident microbial dynamics during natural digestion of olive oil mill waste waters in an integrated valorization system. Proceedings of the 6th International Conference on Sustainable Solid Waste Management, Naxos, Greece 13-16 June 2018, (p. 23).
48. Kourkoutas, Y., Sgouros, G., Mitropoulou, G., Santarmaki, V., Nikolaou, A. Effect of free or immobilized kefir culture on the profile of volatiles in low-alcohol wines. 2nd EuroSciCon Conference on Food Technology, Rome, Italy, 14-16 May 2018 (p. 74).
49. Bardouki, H., Vamvakias, M., Papavassilopoulou, E., Georganakis, D., Fitsiou, E., Mitropoulou, G., Spyridopoulou, K., Tiptiri-Kourpeti, A., Panayiotidis, M. I., Galanis, A., Kourkoutas, Y., Chlichlia, K., Pappa, A., Tzima, E., Serifi, I., Papamarcaki, T. Characterization of Kumquat (*Fortunella margarita*) peel essential oil and hydrosol fraction and their potential as antimicrobial, antioxidant, anti-inflammatory and anti-carcinogenic agents. Global Conference on Plant Science and Molecular Biology, Valencia, Spain, 11-13 September 2017.
50. Skitsa, M., Tsohantaris, I., Voulgaridou, G., Mitropoulou, G., Sidira, M., Dimtsoudis, C., Kourkoutas, I., Pappa A. Evaluation of biological activities of essential oil from *Sideritis Raeseri*. 39th Scientific Conference of Hellenic Association for Biological Sciences, Lamia, Greece, 25-27 May 2017 (pp 260-261).
51. Mitropoulou, G., Chorianopoulos, N., Tsimogiannis, D., Bimpilas, A., Oreopoulou, V., Vamvakias, M., Bardouki, H., Papavassilopoulou, E., Oreopoulou, A., Panas, P., Kourkoutas, Y. Application of a mathematical model for precise determination of the antibacterial activity of essential oils isolated from Greek endemic plant species. QSafe, Ermoupolis, Syros, Greece, 10-12 April 2017 (p. 32).
52. Sidira, M., Mitropoulou, G., Kanellaki, M., Bezirtzoglou, E., Kourkoutas, Y. Effect of sugar content and immobilized *Lactobacillus casei* ATCC 393 on the quality attributes of probiotic dry-fermented sausages. Hellenic Congress on Meat & Products thereof “from stable to table”, Thessaloniki, Greece, 3-5 February 2017 (pp. 209-217).
53. Mitropoulou, G., Sidira, M., Skitsa, M., Tsohantaris, I., Dimtsoudis, C., Bezirtzoglou, E., Pappa, A., Kourkoutas Y. Antimicrobial, antioxidant and antiproliferative activity of *Sideritis raeseri* essential oil. The Joint Congress of the 19th International Symposium on Gnotobiology, The

- 50th Congress of Japanese Association of Germfree Life and Gnotobiology and the 39th Congress of the Society Microbial Ecology and Disease, Tokyo, Japan, 7-10 June 2017 (poster 7).
54. Nikolaou, A., Kanellaki, M., Tassou, C., Bezirtzoglou, E., Kourkoutas, Y. Alcoholic and malolactic cider fermentation using kefir culture. 2nd International Balkan Agriculture Congress, Tekirdag, Turkey, 16-18 May 2017 (p. 378).
55. Mitropoulou, G., Oreopoulou, A., Papavassilopoulou, E., Vamvakias, M., Fragias, S., Panas, P., Kourkoutas, Y. Antimicrobial activity of *Oregano vulgare* spp. *hirtum* against *Saccharomyces cerevisiae*, *Aspergillus niger* and *Clostridium difficile* in tomato juice. International Conference on Nutraceuticals and Functional Foods-Superfoods for Nutrition and Well-Being, Kalamata, Greece, 7-9 July 2016 (pp. 101-102).
56. Mitropoulou, G., Tsimogiannis, D., Bimpilas, A., Oreopoulou, V., Chorianopoulos, N., Tassou, C., Kourkoutas, Y. Assessment of antimicrobial activity of *Satureja thymbra* essential oils and extracts against food spoilage and pathogenic species. IFAP's 12th European Symposium on Food Safety, Athens, Greece, 11-13 May 2016.
57. Choulitoudi, E., Bravou, K., Bimpilas, A., Tsironi, T., Mitropoulou, G., Tsimogiannis, D., Kourkoutas, Y., Taoukis, P., Oreopoulou, V. Natural antioxidants and antimicrobials in edible and active packaging. 29th EFFoST International Conference, Athens, Greece, 10-12 November 2015.
58. Nikolaou, A., Kourkoutas, Y., Varzakas, T. Effect of organic fertilization (nitrogen, phosphorus, potassium) treatment, oil and cultivar variety on the volatile metabolic profile of fried potato tubers. Proceedings of the 29th EFFoST International Conference, 10-12 November 2015, Athens, Greece.
59. Bardouki, H., Vamvakias, M., Papavassilopoulou, E., Mitropoulou, G., Kourkoutas, Y. Composition and antimicrobial properties of spearmint (*Mentha spicata*) essential oil and hydrosol fractions. 29th EFFoST International Conference, Athens, Greece, 10-12 November 2015.
60. Bardouki, H., Vamvakias, M., Georganakis, D., Mitropoulou, G., Kourkoutas, Y. Characterization and antimicrobial properties of sweet basil (*Ocimum basilicum* L.) essential oil and hydrosol fractions. 29th EFFoST International Conference, Athens, Greece, 10-12 November 2015.
61. Mitropoulou, G., Bimpilas, A., Tsimogiannis, D., Oreopoulou, V., Kourkoutas, Y. Antimicrobial properties of the essential oil, ethanol and ethyl acetate extract of *Satureja thymbra* against food spoilage and pathogenic bacteria. 38th SOMED Congress "Human Microbiome: From the bench to health benefits", Verona, Italy, 11-13 October 2015 (p. 89).
62. Santarmaki, V., Kiourtzidis, M., Galanis, A., Ypsilantis, P., Kourkoutas, Y. Comparative study of the survival and potential adherence to the intestinal mucosa of probiotic strains in Wistar rats. 38th SOMED Congress "Human Microbiome: From the bench to health benefits", Verona, Italy, 11-13 October 2015 (p. 87).
63. Mitropoulou, G., Sidira, M., Chorianopoulos, N., Argiri, A., Papadopoulou, O., Tassou, C., Kourkoutas, Y. Assessment of *Lactobacillus plantarum* T-571 as a potent probiotic culture for Greek feta-type cheese production and characterization of microbial flora by next-generation sequencing technology. 38th SOMED Congress "Human Microbiome: From the bench to health benefits", Verona, Italy, 11-13 October 2015 (p. 86).
64. Sidira, M., Kiourtzidis, M., Chorianopoulos, N., Tassou, C., Kaloutsas, S., Mitropoulou, G., Varzakas, T., Kourkoutas, Y. Volatile compounds in probiotic yoghurts containing immobilized *Lactobacillus plantarum* 2035 on whey protein. 9th International Conference on Instrumental Methods of Analysis: Modern Trends and Applications, Kalamata, Greece, 20-24 September 2015 (p. 115).

65. Sidira, M., Kandyliis, P., Bosnea, L., Kanellaki, M., Varzakas, T., Kourkoutas, Y. Volatile compounds in probiotic dry-fermented sausages. 9th International Conference on Instrumental Methods of Analysis: Modern Trends and Applications, Kalamata, Greece, 20-24 September 2015 (p. 114).
66. Mitropoulou, G., Galanis, A., Vamvakias, M., Bardouki, H., Kourkoutas, Y. Essential oils from Greek endemic species as antimicrobial agents against *Saccharomyces cerevisiae* and *Aspergillus niger* responsible for food spoilage. SGM-Irish Division Meeting: Microbial Interfaces, Galway, Ireland, 17-19 June 2015.
67. Mitropoulou, G., Papavassilopoulou, E., Vamvakias, M., Oreopoulou, A., Kourkoutas, Y. Assessment of antibacterial properties of *Origanum onites* and *Origanum dictamnus* (dittany) essential oils against food spoilage and pathogenic species. SGM-Irish Division Meeting: Microbial Interfaces, Galway, Ireland, 17-19 June 2015.
68. Mitropoulou, G., Chorianopoulos, N., Tassou, C., Kourkoutas, Y. Characterization of microbial flora in Greek feta-type cheeses by next-generation sequencing technology. SGM-Irish Division Meeting: Microbial Interfaces, Galway, Ireland, 17-19 June 2015.
69. Kourkoutas Y. Application of cell immobilization technology in probiotic food production. SGM-Irish Division Meeting: Microbial Interfaces, Galway, Ireland, 17-19 June 2015. Oral presentation.
70. Sidira, M., Kiourtzidis, M., Chorianopoulos, N., Tassou, C., Mitropoulou G., Kaloutsas, S., Kourkoutas Y. Assessment of immobilized *Lactobacillus plantarum* 2035 on whey protein in probiotic yoghurt production. 2nd International Conference on Food and Biosystems Engineering (FABE-2015), Myconos Island, Greece, 28-31 May 2015 (pp. 134-135).
71. Tompoulidou, E., Giorgalli, M., Tiptiri-Kourpeti, A., Aindelis, G., Spyridopoulou, K., Santarmaki, V., Saxami, G., Galanis, A., Kourkoutas, Y., Dimitrellou, D., Chlichlia, K. *Lactobacillus casei*-induced anti-proliferative and pro-apoptotic effect against colon cancer cells: Identification of molecular targets. 37th Scientific Conference of Hellenic Association for Biological Sciences, Volos, Greece, 21-23 May 2015 (pp. 384-385).
72. Tiptiri Kourpeti, A., Aindelis, G., Spyridopoulou, K., Santarmaki, V., Tompoulidou, E., Saxami, G., Simopoulos, C., Ypsilantis, P., Galanis, A., Kourkoutas, I., Dimitrellou, D., Chlichlia, K. Antiproliferative effects of *Lactobacillus casei* ATCC 393 against colon carcinoma. Abstracts. *J Biotechnol*, 2015, 208 S83.
73. Mitropoulou, G., Vamvakias, M., Bardouki, H., Panas, P., Kourkoutas, Y. A comparison study of antimicrobial properties of louisa (*Lippia citriodora*) and citrus (*Citrus medica*) essential oils against food spoilage and pathogenic bacteria. IJFST 50th Celebration Conference: The future of food innovation, nutrition and technology, Lincoln, New Zealand, 17-19 February 2014 (pp. 71-72).
74. Nikolaou, A., Varzakas, T., Kourkoutas, Y. Effect of organic fertilisation and oil variety on the volatile metabolic profile of fried potato tubers in extra virgin olive, corn and soybean oil. IJFST 50th Celebration Conference: The future of food innovation, nutrition and technology, Lincoln, New Zealand, 17-19 February 2014 (p. 60).
75. Varzakas, T., Alghamdi, A., Alghamdi, H., Linforth, R., Connerton, I., Harding, S., Arapoglou, D., Israilides, C., Kourkoutas, I. The effect of organic fertilization on sugars, amino acids and acrylamide of three potato cultivars (Lady Rosetta, Voyager, Spunta) and fried in extra virgin olive oil, corn and soybean oil. IJFST 50th Celebration Conference: The future of food innovation, nutrition and technology, Lincoln, New Zealand, 17-19 February 2014 (p. 24).

76. Dimitrellou, D., Kandylis, P., Kourkoutas, Y. Probiotic fermented milk with freeze dried immobilized *Lactobacillus casei* ATCC 393 cells on apples pieces. Natural Resources, Green Technology & Sustainable Development. Zagreb, Croatia, 25-28 November 2014 (p. 71).
77. Dimitrellou, D., Kandylis, P., Sidira, M., Kourkoutas, Y. Assessment of freeze-dried immobilized *Lactobacillus casei* ATCC 393 on probiotic yoghurt production. Annual Conference & Exhibition. Functional Foods, Nutraceuticals, Natural Health Products, and Dietary Supplements, Istanbul, Turkey, 14-17 October 2014, (p. 245).
78. Mitropoulou, G., Chachalis, P., Panas, P., Kiourtzidis, M., Kourkoutas, Y. A comparison study of antimicrobial properties of Cinnamon and Chios mastic gum essential oils against foodborne pathogens. Annual Conference and Exhibition on Functional Foods, Nutraceuticals, Natural Health Products and Dietary Supplements, Istanbul, Turkey, 14-17 October 2014 (p. 201).
79. Dimitrellou, D., Kandylis, P., Kourkoutas, Y. Physicochemical and microbiological characteristics of probiotic yogurts produced with freeze dried immobilized cells on casein. 14th International Nutrition & Diagnostics Conference, Prague, Czech Republic, 2-5 September 2014 (p.101).
80. Mitropoulou, G., Vamvakias, M., Bardouki, H., Panas, P., Kourkoutas Y. Assessment of antimicrobial properties of basil essential oil against foodborne pathogens. Anaerobe, Chicago, 28 June-1 July 2014 (p.182).
81. Dimitrellou, D., Sidira, M., Ypsilantis P., Charalampopoulos, D., Saxami, G., Galanis, A., Simopoulos, C., Kourkoutas, Y. Probiotic Properties of Immobilized *Lactobacillus casei* ATCC 393. Anaerobe, Chicago, USA, 28 June-1 July 2014 (p. 162).
82. Mitropoulou, G., Vamvakias, M., Bardouki, H., Panas, P., Kourkoutas, Y. Assessment of antimicrobial properties of Chios mastic gum essential oil against foodborne pathogens. Anaerobe, Chicago, 28 June-1 July 2014 (p.161).
83. Vekiari, S., Kourkoutas, Y., Labrinea, H. Panagopoulou, I. Fatty acids in lipids of five different berries grown in Greece. ISHS Postharvest Unlimited Symposium, Paphos, Cyprus, 10-13 June 2014 (p. 120).
84. Vekiari, S., Kourkoutas, Y., Fitsiou, E., Pappa, A., Zamanidis, P., Eleftheriadis, E. Phytosterol composition, antioxidant potential and antimicrobial properties of the unsaponifiable fractions from leaves of three Russian Sea Buckthorn varieties (*Hippophae rhamnoides* L.) and *Lycium Barbarrum* (Godji berry) cultivated in Greece. ISHS Postharvest Unlimited Symposium, Paphos, Cyprus, 10-13 June 2014 (p. 119).
85. Santarmaki, V., Nikolaou, A., Galanis, A., Panas, P., Michalopoulos, I., Kourkoutas, Y. Probiotic ice cream production using free or immobilized *Lactobacillus casei* on dry nuts and pastry products. 3rd International ISEKI Food Conference, Athens, Greece, 21-23 May 2014 (p. 258).
86. Mitropoulou, G., Galanis, A., Vamvakias, M., Bardouki, H., Kourkoutas, Y. Assessment of antimicrobial properties of spearmint essential oil against foodborne pathogens. 3rd International ISEKI Food conference, Athens, Greece, 21-23 May 2014 (p.127).
87. Dimitrellou, D., Kandylis, P., Kourkoutas, Y. Freeze dried apple and casein supported biocatalysts for probiotic dairy products production. European Biotechnology Congress 2014, Lecce, Italy, 15-18 May, *J Biotechnol*, 2014, 185S, S78–S79.
88. Dimitrellou, D., Kandylis, P., Kourkoutas, Y. Physicochemical and microbiological characteristics of probiotic yogurts produced with immobilized cells. European Biotechnology Congress 2014, Lecce, Italy, 15-18 May, *J Biotechnol*, 2014, 185S, S78.
89. Nikolaou, A., Nikakou, M., Galanis, A., Kourkoutas, Y. Effect of cell immobilization and temperature on microbial composition of kefir culture during cider fermentation. 36th Scientific

- Conference of Hellenic Association for Biological Sciences, Ioannina, Greece, 8-10 May 2014 (pp. 260-261).
90. Mitropoulou, G., Nikolaou, A., Bimpilas, A., Tsimogiannis, D., Oreopoulou, V., Kourkoutas, Y. Antimicrobial activity of *Origanum vulgare* ssp. *hirtum* (carvacrol chemotype) essential oil against foodborne pathogenic bacteria. 36th Scientific Conference of Hellenic Association for Biological Sciences, Ioannina, 8-10 May, 2014, (pp. 226-227).
91. Santarmaki, V., Panas, P., Michalopoulos, I., Kourkoutas, Y. Whey exploitation for the production of dried probiotic *Lactobacillus casei* ATCC 393 biomass. International Conference on Advances in Biotechnology and Bioinformatics (ICABB-2013), Pune, India, 25-27 November 2013 (p. C235-C236).
92. Mitropoulou, G., Santarmaki, V., Panas, P., Michalopoulos, I., Kourkoutas, Y. An economic evaluation for production of dried probiotic immobilized starter culture using whey. International Conference on Environment, Health and Industrial Biotechnology (BioSangam-2013), Allahabad, India, 21-23 November 2013 (p. 441).
93. Dimitrellou, D., Kandyliis, P., Lević, S., Petrović, T., Dimitrijević-Branković, S., Nedović, V., Kourkoutas, Y. Survival of microencapsulated *Lactobacillus casei* ATCC 393 under simulated gastrointestinal conditions. 19th International Symposium on Microencapsulation, Pamplona, Spain, 9-11 September 2013 (p. 151).
94. Tiptiri-Kourpeti, A., Iliaki, S., Simoglou-Karali, C., Dimitrellou, D., Karoutsou, M., Santarmaki, V., Ypsilantis, P., Simopoulos, C., Kourkoutas Y., Chlichlia, K. Anti-cancer properties of *Lactobacillus casei*: Inhibition of growth of colon adenocarcinoma cells *in vitro* and *in vivo*. 35th Scientific Conference of Hellenic Association for Biological Sciences, Nafplio, Greece, 23-25 May 2013 (pp. 350-351).
95. Nikolaou, A., Georgana, I., Roussos, S., Galanis, A., Kourkoutas, Y. DGGE methodology for molecular identification of microorganisms in solid oil mill byproducts. 35th Scientific Conference of Hellenic Association for Biological Sciences, Nafplio, Greece, 23-26 May 2013 (pp. 248-249).
96. Kandyliis, P., Santarmaki, V., Panas, P., Mixalopoulos, I., Kourkoutas, Y. Freeze-dried immobilized *Lactobacillus casei* on dried nuts and pastry products as starter culture for probiotic foods. 35th Annual Conference, Hellenic Association for Biological Sciences, Nafplio, Greece, 23-25 May 2013 (pp. 124-125).
97. Nikolaou, A., Zisi M., Kourkoutas, Y., Galanis, A. Probiotic microorganisms in novel functional foods. A molecular approach. 8th Hellenic Bioscientists Conference, Patras, Greece, 18-20 October 2012.
98. Dimitrellou, D., Kandyliis, P., Kourkoutas, Y., Kanellaki, M. Feta-type cheese with kefir entrapped in milk proteins. 5th International Conference on Industrial Bioprocesses (IFIB-2012), Taipei, Taiwan, 7-10 October 2012 (p. 334).
99. Santarmaki, V., Vatikioti, N.P., Triantafilli, O., Sidira, M., Panas, P., Mixalopoulos, I., Kourkoutas, Y. Thermally-dried immobilized *Lactobacillus casei* on dried nuts and pastry products as starter culture for probiotic foods. 5th International Conference on Industrial Bioprocesses (IFIB-2012), Taipei, Taiwan, 7-10 October 2012 (p. 317).
100. Dimitrellou, D., Kandyliis, P., Sidira, M., Galanis, A., Koutinas, A.A., Kourkoutas, Y. Probiotic feta-type cheese production by free or immobilized *Lactobacillus casei* ATCC 393 on whey protein. 5th International Conference on Industrial Bioprocesses (IFIB-2012), Taipei, Taiwan, 7-10 October 2012 (p. 316).
101. Sidira, M., Kanellaki, M., Kourkoutas, Y. Profile of aroma-related volatile compounds isolated by probiotic dry-fermented sausages produced with free or immobilized *L. casei* using SPME

- GC/MS analysis. 13th International Flavor Conference, Porto Heli, Greece, 29 May-1 June 2012 (p. 13).
- 102.Dimitrellou, D., Kandyli, P., Kourkoutas, Y. Volatile compounds of probiotic Feta-type cheese produced by free or immobilized *Lactobacillus casei* ATCC 393 on whey protein as starter cultures. 13th International Flavor Conference, Porto Heli, Greece, 29 May-1 June 2012 (p. 11).
- 103.Sidira, M., Bosnea, L., Galanis, A., Kanellaki, M., Kourkoutas, Y. Probiotic dry-fermented sausages production using immobilized *Lactobacillus casei* on prebiotic supports. 6th Central European Congress on Food (CEFood-2012), Novi Sad, Serbia, 23-26 May 2012 (p. 429).
- 104.Dimitrellou, D., Sidira, M., Saxami, S., Santarmaki, S., Kanellaki, M., Galanis, A., Kourkoutas, Y. Probiotic yoghurt production using immobilized *Lactobacillus casei* on prebiotic supports. 6th Central European Congress on Food (CEFood-2012), Novi Sad, Serbia, 23-26 May 2012 (p. 428).
- 105.Sidira, M., Saxami, G., Karapetsas, A., Kanellaki M., Kourkoutas, Y., Galanis, A. Denaturing gradient gel electrophoresis analysis to monitor dynamic changes in the microbial population during maturation of probiotic dry fermented sausages. 34th Annual conference of Hellenic Society for Biological Sciences (EEBE-2012), Trikala, Greece, 17-19 May 2012 (p. 248).
- 106.Saxami, G., Nikolaou, M., Kiourtzidis, M., Belik, D., Ypsilantis, P., Simopoulos C., Kourkoutas, Y., Galanis A. Study of the *in vivo* adhesion properties of *Lactobacillus casei* ATCC 393 in the rat gastrointestinal tract. 62th Meeting of the Hellenic Society of Biochemistry and Molecular Biology, Athens, Greece, 9-11 December 2011.
- 107.Sidira, M., Ypsilantis P., Saxami, G., Galanis, A., Simopoulos C., Kourkoutas, Y. *In vitro* and *in vivo* study of gastrointestinal survival of *Lactobacillus casei* ATCC 393, adhesion to intestinal mucosa and modulation of intestinal microbial flora. 4th Food Congress “Modern Approach to Food Hygiene and Safety” of the Hellenic Veterinary Medical Society (HVMS-2011), Thessaloniki, Greece, 11-13 November 2011 (pp. 55-66).
- 108.Nikolaou, A., Saxami, G., Karapetsas, A., Sidira, M., Kourkoutas, Y., Galanis, A. Molecular identification of lactic acid bacteria in probiotic products. 33rd Scientific Conference of Hellenic Society for Biological Sciences, Edessa Greece, 19-21 May 2011.
- 109.Dimitrellou, D., Kandyli, P., Sidira, M., Galanis, A., Kourkoutas, Y., Kanellaki, M. Immobilized *Lactobacillus casei* ATCC 393 on whey protein as starter culture in probiotic Feta-type cheese production with enhanced protein content. IDF-International Symposium on Sheep, Goat & other non-Cow Milk. Athens, Greece, 16-18 May 2011.
- 110.Saxami, G., Nikolaou, A., Karapetsas, A., Kourkoutas Y., Galanis, A. A new methodology for rapid detection of lactic acid bacteria based on Multiplex PCR. 5th Meeting of Hellenic Society of Bioscientists, Athens, Greece, 25-27 November 2010 (p. 3).
- 111.Sidira, M., Galanis, A., Ypsilantis, P., Belik, D., Simopoulos, C., Kourkoutas Y. Probiotic potential of immobilized *Lactobacillus casei* ATCC 393: Effect of fermented milk administration on gastrointestinal survival and modulation of intestinal microbial flora in Wistar rats. 5th Meeting of Hellenic Society of Bioscientists, Athens, Greece, 25-27 November 2010 (p. 2).
- 112.Fitsiou, E., Anastopoulos, I., Kourkoutas, Y., Nychas, G. J. E., Kortsaris, A., Panayiotidis, M., Pappa, A. Antioxidant and anticancer properties of essential oils of *Satureja thymbra* and *Satureja parnassica*. 61th Conference of the Hellenic Society of Biochemistry and Molecular Biology, 15-17 October 2010, Alexandroupolis, Greece (p. 77).
- 113.Sidira, M., Galanis, A., Kanellaki, M., Kourkoutas, Y. The potential of immobilized *Lactobacillus casei* ATCC 393 on wheat as starter culture for probiotic fermented sausages. 61th Conference of the Hellenic Society for Biochemistry and Molecular Biology, Alexandroupolis, Greece, 15-17 October 2010 (p. 56).

- 114.Nikolaou, A., Saxami, G., Kourkoutas, Y., Galanis, A. A new methodology for rapid detection of *L. delbrueckii* subsp. *bulgaricus* based on Multiplex PCR. 61th Conference of the Hellenic Society of Biochemistry and Molecular Biology, Alexandroupolis, Greece, 15-17 October 2010 (p.55).
- 115.Sidira, M., Galanis, A., Ypsilantis, P., Semelidiou, O., Belik D., Simopoulos C., Kourkoutas Y. Probiotic potential of fermented milk produced by immobilized or free *Lactobacillus casei* ATCC 393. 61th Conference of the Hellenic Society of Biochemistry and Molecular Biology, Alexandroupolis, Greece, 15-17 October 2010 (p.55).
- 116.Sidira, M., Progaki Z., Efstratiou E., Galanis A., Ypsilantis P., Simopoulos., Kourkoutas, Y. Molecular and microbiological study of the role of probiotics on the regulation of fecal microbial flora in Wistar rats. 60th Conference of the Hellenic Society for Biochemistry and Molecular Biology, Athens, Greece, 20-22 November 2009 (p. 145).
- 117.Karapetsas, A., Vavoulidis, E., Sandaltzopoulos, R., Kourkoutas, Y., Galanis, A. Rapid detection and identification of probiotic *Lactobacillus casei* ATCC 393 by multiplex PCR. 60th Conference of the Hellenic Society for Biochemistry and Molecular Biology, Athens, Greece, 20-22 November 2009 (p. 85).
- 118.Sidira, M., Dimitrellou, D., Kanellaki, M., Kourkoutas, Y. Volatile compounds of probiotic fermented sausages produced by immobilized *L. casei* on wheat. 12th International Flavour Confernece, 4th George Charalambous Memorial Symposium, Skiathos Island, Greece, 25-29 May 2009.
- 119.Sidira, M., Bosnea, L., Kanellaki, M., Kourkoutas, Y. Probiotic fermented sausage production using immobilized *L. casei* on wheat. 3rd International Congress on Bioprocesses in Food Industries & 5th Convention of the Biotech Research Society, Hyderabad, India, 6-8 November 2008 (p. 70).
- 120.Bezirtzoglou, E., Alexopoulos, A., Kourkoutas, Y., Stefanis, C., Vavias S., Voidarou, C. Experimental effect of ozone upon the microbial flora of commercially produced dairy fermented products. 10th International congress of Engineering and Food (ICEF-2008), Vina del Mar, Chile, 20-24 April 2008 (p. 10).
- 121.Bezirtzoglou, E., Kourkoutas, Y., Stefanis, C., Vavias, S., Plessas, S., Voidarou, C., Alexopoulos, A. Implementation of safe microbiological policy for assessment of dairy industry associated bacteria. The Second International Congress of Central Asia Infectious Diseases (CCAID-2008), Almaty-Kazakhstan, 27-30 March 2008 (p. 164).
- 122.Dimitrellou, D., Kandyliis, P., Kanellaki, M., Koutinas, A.A., Kourkoutas, Y. Evaluation of thermally-dried immobilized kefir on casein as a starter culture for whey-cheese production. International Conference on New Horizons in Biotechnology (NHBT-2007), Trivandrum, India, 26-29 November 2007 (p. 248).
- 123.Alexopoulos, A., Kourkoutas, Y., Stefanis, C., Vavias, S., Plessas, S., Voidarou, C., Bezirtzoglou, E. Short-term inducible effect of ozone upon the microbial microflora of sealed yoghurts. International Conference on New Horizons in Biotechnology (NHBT-2007), Trivandrum, India, 26-29 November 2007 (p. 236).
- 124.Kourkoutas, Y., Alexopoulos, A., Dimitrellou, D., Theodoridou, I., Koutinas, A.A., Bezirtzoglou, E. Bioconversion of brewer's spent grains to bioethanol using an environmentally isolated strain of *Klebsiella oxytoca*. International Conference on New Horizons in Biotechnology (NHBT-2007), Trivandrum, India, 26-29 November 2007 (p. 138).
- 125.Voidarou, C., Alexopoulos, A., Kourkoutas, Y., Bezirtzoglou, E. Emerging antibiotic resistance in honey as an hazard for human health. International Conference on New Horizons in Biotechnology (NHBT-2007), Trivandrum, India, 26-29 November 2007 (p. 9).

- 126.Stefanis, C., Alexopoulos, A., Papadopoulos, I., Voidarou, C., Kourkoutas, I., Vavias, S., Bezirtzoglou, E. A preliminary study on the microbial ecology of cultured soils. Sustainable Management and Development of Mountainous and Island Areas, Naxos Island, Cyclades, Greece, 29 September-1 October 2006, ISBN: 960-89345-0-8 (119-124).
- 127.Papadopoulos, I., Stefanis, C., Alexopoulos, A., Voidarou, C., Kourkoutas, Y., Vavias, S., Bezirtzoglou, E. Microbial ecology of beetroots. Sustainable Management and Development of Mountainous and Island Areas, Naxos Island, Cyclades, Greece, 29 September-1 October 2006, ISBN: 960-89345-0-8 (pp. 24-27).
- 128.Kourkoutas, Y., Chorianopoulos, N., Dimitrellou, D., Nychas, G-J.E., Koutinas, A.A. Incorporation of the bacteriocin producing strain *Leuconostoc mesenteroides* L124 in kefir microflora. 2nd International Congress on Bioprocesses in Food Industries (ICBF-2006). Patras, Greece, 18-21 June 2006 (pp. 143-144).
- 129.Tsakiris, A., Kourkoutas, Y., Tzia K. Use of principal component analysis in estimating the market value of wines produced by biotechnological processes. 2nd International Congress on Bioprocesses in Food Industries (ICBF-2006). Patras, Greece, 18-21 June 2006 (p. 126).
- 130.Chorianopoulos, N.G., Giaouris, E.D., Kourkoutas, Y., Nychas, G-J.E. Biofilm formation by *Salmonella enteritica* serovar enteritidis. 2nd International Congress on Bioprocesses in Food Industries (ICBF-2006). Patras, Greece, 18-21 June 2006, (pp. 116-117).
- 131.Kourkoutas, Y., Sipsas, V., Soupioni, M., Panas, P., Dooley, J.S.G., Koutinas, A.A. Use of freeze-dried kefir co-culture as a starter in cheese production. 2nd International Congress on Bioprocesses in Food Industries (ICBF-2006). Patras, Greece, 18-21 June 2006 (pp. 65-66). Oral Presentation.
- 132.Bosnea, L., Kourkoutas, Y., Kopsahelis, N., Agouridis, N., Kanellaki, M. Use of fruits as substrates for cell immobilization for food production. 2nd International Congress on Bioprocesses in Food Industries (ICBF-2006). Patras, Greece, 18-21 June 2006 (pp. 37-38).
- 133.Kourkoutas, Y., Sipsas, V., Soupioni, M., Koutinas, A. A. Greek Feta-type cheese production using freeze-dried kefir as starter culture. Biocatalysis: Enzymes, Mechanisms and Bioprocesses-a Biochemical Society Focused Meeting in association with Pro-Bio Faraday Annual Conference, Manchester, 20-21 November 2005.
- 134.Kourkoutas, Y., Kanellaki, M., Koutinas, A. A. Apple pieces as immobilization support of various microorganisms. European Symposium on Apple Processing, Rennes, France, 16-18 March 2005 (p. 24). Oral Presentation.
- 135.Kanellaki, M., Bekatorou, A., Koutinas, A. A., Kourkoutas, Y., Iconomopoulou, M., Malouchos, A. Flavor in wines produced by cells immobilized on various supports. 11th International Flavor Conference. 3rd George Charalambous Memorial Symposium. Samos Island, Greece, 1-4 June 2004 (p. 9).
- 136.Athanasiadis, I., Becatorou, A., Lidner, C., Kourkoutas, J., Iconomopoulou, M., Boskou, D., Blekas, G. Whey liquid waste of dairy industry as raw material for fermentation by kefir granules. 7th International Conference on Environmental Science and Technology, Ermoupolis, Syros Island, Greece, 3-6 September 2001 (pp. 226-232).
- 137.Kourkoutas, Y., Dimitropoulou, S., Marchant, R., Nigam, P., Banat, I. M., Kioseglou, V., Psiarinos, C., Koutinas, A. A. Whey liquid waste of dairy industry as raw material for fermentation with the thermophilic *Kluyveromyces marxianus* IMB3. 7th International Conference on Environmental Science and Technology, Ermoupolis, Syros Island, Greece, 3-6 September 2001 (pp. 14-20).

138. Kourkoutas, Y., Koutinas, A. A., Kanellaki, M., Psarianos, K. Immobilization of yeast on apple for room and low-temperature wine-making. 2nd International Conference of the Chemical Societies of the South-Eastern European Countries on Chemical Sciences for Sustainable Development, Chalkidiki, Macedonia, Greece, 6-9 June 2000 (p. 159).

Invited Talks:

Prof. Y. Kourkoutas has been invited as a plenary keynote speaker and has served as Chairman in several conferences.

Invited oral presentations (selected):

1. Kourkoutas, Y. Exploring the opportunities for dried immobilised probiotic cultures suitable for functional products. Vitafoods Europe, Geneva, Switzerland, 15-17 May 2018 (p. 5).
2. Kourkoutas, Y. Developing effective delivery systems of beneficial bacteria in food products. 2nd EuroSciCon Conference on Food Technology, Rome, Italy, 14-16 May 2018 (p. 29).
3. Kourkoutas, Y. Emerging immobilization technologies of probiotic bacteria in industrial food production. International Conference on Nutraceuticals and Functional Foods-Superfoods for Nutrition and Well-Being, Kalamata, Greece, 7-9 July 2016 (p. 46).
4. Kourkoutas Y. Advances of cell immobilization technology in industrial production of probiotic foods. 38th SOMED Congress, Verona, Italy, 11-13 October 2015 (p. 47).
5. Santarmaki, V., Sidira, M., Ypsilantis, P., Charalampopoulos, D., Saxami, G., Galanis, A., Simopoulos, C., Kourkoutas, Y. Assessment of GI survival, adhesion ability and modulation of intestinal microbial flora of presumptive probiotic cultures. International ITU Molecular Biology and Genetics Student Congress '14, Istanbul, 15-18 August 2014 (pp.16-17).
6. Sidira, M., Ypsilantis, P., Charalampopoulos, D., Saxami, G., Mitropoulou, G., Galanis, A., Simopoulos, C., Kourkoutas, Y. Assessment of potential probiotic attributes of immobilized *Lactobacillus casei* ATCC 393. International Conference on Advances in Biotechnology and Bioinformatics (ICABB-2013), Pune, India, 25-27 November 2013 (p. B52-B53).
7. Sidira, M., Mitropoulou, G., Galanis, A., Kourkoutas, Y. Immobilized probiotic starter cultures for probiotic meat products with enhanced resistant to microbial spoilage. International Conference on Environment, Health and Industrial Biotechnology (BioSangam-2013), Allahabad, India, 21-23 November 2013 (p. 414).
8. Sidira, M., Bosnea, L., Galanis, A., Kanellaki, M., Kourkoutas, Y. Immobilized lactic acid bacteria on prebiotics as starter cultures for probiotic fermented meat products. 5th International Conference on Industrial Bioprocesses (IFIB-2012), Taipei, Taiwan, 7-10 October 2012 (p. 79).
9. Sidira, M., Ypsilantis, P., Saxami, G., Galanis, A., Simopoulos, C., Kourkoutas, Y. *In vitro* and *in vivo* investigation of the probiotic properties of free and immobilized *Lactobacillus casei* ATCC 393. 6th Central European Congress on Food (CEFood-2012), Novi Sad, Serbia, 23-26 May 2012 (p. 12).
10. Sidira, M., Galanis, A., Ypsilantis, P., Simopoulos, C., Kourkoutas, Y. Novel probiotic foods containing immobilized lactic acid bacteria: Their potential in human health. 4th International Congress on Bioprocesses in Food Industries (ICBF-2010), Curitiba, Brazil, 5-8 October 2010.
11. Sidira, M., Galanis, A., Ypsilantis, P., Simopoulos, C., Kourkoutas, Y. Probiotic potential of *Lactobacillus casei* ATCC 393: Gastrointestinal survival and modulation of intestinal microbial flora in Wistar rats. XXXIII International Congress on Microbial Ecology and Disease (SOMED 2010), Greece, 6-10 September 2010 (p. 89).

12. Kourkoutas, Y., Koutinas, A. A., Kanellaki, M. Fruit-based immobilized biocatalysts: Their potential in food production. 3rd International Congress on Bioprocesses in Food Industries & 5th Convention of the Biotech Research Society, Hyderabad, India, 6-8 November 2008 (p. 21).
13. Kourkoutas, Y. Materials used as immobilized yeast support. 13th School of fermentation technology. Auxiliary materials in brewing technology. Krakow-Kocierz, Poland, 8-11 April 2008 (pp. 39-52).
14. Kourkoutas, Y., Psarianos, C., Koutinas, A. A. The potential of kefir starter culture in food production. International Conference on New Horizons in Biotechnology (NHBT-2007), Trivandrum, India, 26-29 November 2007 (p. 38).

Awards and Honors:

1. 1st Poster presentation award. Ieronymaki, E., Santarmaki, V., Somalou, P., Feidaki, R., Panas, P., Argiriou, A., Kourkoutas, Y., Tsatsanis, C. Effect of a Novel *Pediococcus acidilactici* Strain on Obesity-Associated Insulin Resistance in a Short-Term High Fat Diet Mouse Model. 15th International Scientific Conference on Probiotics, Prebiotics, Gut Microbiota and Health – IPC 2022, 27-30 June 2022, Bratislava, Slovakia.
2. Invited speaker to the Vitafoods Europe - The global nutraceutical event held in Palexpo, Geneva, Switzerland on 15-17 May 2018, to present the potential of dried immobilised probiotic cultures in production of functional foods (<https://www.vitafoods.eu.com/en/welcome.html>).
3. The results of the research project Greece-China Bilateral Cooperation. 12CHN_409: “Bioactive essential oils and other beneficial substances isolated from Greek and Chinese endemic species with health promoting properties” (Coordinator: Y. Kourkoutas) were presented at the 82th HELEXPO in Thessaloniki, Greece (September 2017), after honorable invitation by the Greek Secretariat of Research and Development.
4. The results of the research project 15NEWE2009: “Production of probiotic ice-cream using immobilized *L. casei* on dry nuts and pastry products” (Scientific Coordinator: Y. Kourkoutas) were presented at the 79th HELEXPO in Thessaloniki, Greece (September 2014), after honorable invitation by the EYDE-ETAK, Greece.

Ad hoc Evaluator in National and International Calls for Proposals:

Prof. Y. Kourkoutas has served as evaluator of proposals in several national and international calls:

1. Member of the Jury, French National Research Agency (ANR), France (April 2024-today).
2. Hellenic Foundation for Research and Innovation, Greece (April 2024-today).
3. “Research-Creation-Innovation”, EYDE-ETAK, Greece (October 2017-today).
4. Cyprus Research Promotion Foundation (RPF)-RESTART 2016-2020 Programmes for Research, Technological Development and Innovation, Cyprus (October 2018-today).
5. Support of Young Researchers call of the Greek Ministry of Education, Lifelong Learning and Religious Affairs (June 2017).
6. 3rd National Plan for Research, Development and Innovation for the period 2015-2020 (PNCDI III)] (October 2016).

7. “Cooperation-2011”, EYDE-ETAK, Greece (July 2015-July 2016).
8. “Aristia II”, General Secretariat of Research and Technology, Greece (March 2016).
9. Research Grants Archimides III, Technological Educational Institute (TEI) of Athens, Greece (April 2015).
10. Call of the Czech-Norwegian Research Programme (May 2014).
11. Call of the Romanian Executive Agency for Higher Education, Research, Development and Innovation Funding, Research within Priority Sectors Programme-RO14 (April 2014).
12. Call of the Estonian Research Council (ETAg), Norwegian-Estonian Research Cooperation Programme (May 2013).
13. Support of Research Personnel of SMEs call of the General Secretariat of Research and Technology, Greece (April 2013).
14. Call “Program for Updating Knowledge in University Graduates”, Greek Ministry of Education, Lifelong Learning and Religious Affairs (July 2012).
15. Call of the Estonian Science Foundation (ETF) (September 2011).
16. Support of Group of SMEs call of the Greek Ministry of Education, Lifelong Learning and Religious Affairs (June 2011).
17. COST OC-2009-2 Domain Food and Agriculture (February 2010).
18. IRAKLITOS II call of the Greek Ministry of Education, Lifelong Learning and Religious Affairs (October 2009).

Member of the Editorial Board in Scientific Journals:

Dr. Kourkoutas has served as member of the Editorial board in the following scientific journals and special issues:

1. Foods, Lead Guest Editor, Special issue on “Probiotics: Technological Aspects, Development of Dairy Foods”, 2020.
2. Foods, Lead Guest Editor, Special issue on “Food Preservation: Challenges and Efforts for the Future”, 2020.
3. Biomed Research International, Lead Guest Editor, Special issue on “Bioactive Natural Products”, 2016.
4. Current Research in Nutrition and Food Science, Associate Editor, 2015-today
5. Biomed Research International, Lead Guest Editor, Special issue on “Application of Innovative Technologies for Improved Food Quality and Safety”, 2015.
6. Biomed Research International, Lead Guest Editor, Special issue on “Bioactive Natural Products: Facts, Applications, and Challenges”, 2014.
7. Journal of Nutrition and Metabolism, Lead Guest Editor, Special issue on “Probiotics and Prebiotics: Health Benefits and Challenges”, 2013.
8. Journal of Chemistry, Member of Editorial Board, 2012-today

Ad-hoc Reviewer in Scientific Journals:

Dr. Kourkoutas is an ad-hoc reviewer in >20 International peer-review scientific journals, including the following:

Anaerobe
Bioresource Technology

Applied Microbiology & Biotechnology
Biomass & Bioenergy

Biotechnology Progress	Chemical Engineering Communications
Food Chemistry	Food Hydrocolloids
Food Microbiology	Food Technology and Biotechnology
European Food Research and Technology	Journal of Food Engineering
International Journal of Food Microbiology	LWT-Food Science and Technology
Journal of Industrial Microbiology & Biotechnology	Process Biochemistry
Journal of Molecular Nutrition and Food Research	PloS One
Journal of Agricultural and Food Chemistry	Foods
International Journal of Molecular Sciences	Molecules

Member of Scientific Societies:

Prof. Y. Kourkoutas has served as member of the following scientific societies:

1. 2015-2022 Treasurer, Society of Microbial Ecology in Health and Disease (SOMED).
2. 2012-today Member of the International Forum on Industrial Bioprocesses (IFIBiop).
3. 1997-today Member of the Association of Greek Chemists.

Member of the Organizing Committees of International Conferences:

Prof. Y. Kourkoutas has served as member of the organizing committee of the following international conferences:

1. 41st International Congress of the Society for Microbial Ecology in Health & Disease (SOMED), Alexandroupolis, Greece, 14-16 June 2022.
2. European Biotechnology Congress-Eurobiotech 2018, Athens, Greece, 26-28 April 2018.
3. European Symposium on Food Safety, Athens, Greece, 11-13 May 2016.
4. Food Chemistry Days, Functional Foods, Athens, 26-27 November 2015.
5. 38th Congress of the Society for Microbial Ecology and Disease, Verona, 11-13 October 2015.
6. XXXIII International Congress on Microbial Ecology in Health and Disease (SOMED 2010), organized by SOMED and Democritus University of Thrace (Greece) on a cruise boat from Piraeus to the Greek islands of Myconos, Rhodes, Patmos, Crete, Santorini and to Kusadasi (ancient Ephesus), 6-10 September 2010.

Supervisor in PhD thesis:

1. Prapa, I. Department of Molecular Biology & Genetics, Democritus University of Thrace, Greece (date of PhD viva: 24/11/2023).
2. Mitropoulou, G. Department of Molecular Biology & Genetics, Democritus University of Thrace, Greece (date of PhD viva: 27/04/2021).
3. Nikolaou, A. Department of Molecular Biology & Genetics, Democritus University of Thrace, Greece (date of PhD viva: 15/04/2019).
4. Santarmaki, V. Department of Molecular Biology & Genetics, Democritus University of Thrace, Greece (date of PhD viva: 14/12/2018).
5. Somalou, P. Department of Molecular Biology & Genetics, Democritus University of Thrace, Greece.

6. Nelios, G. Department of Molecular Biology & Genetics, Democritus University of Thrace, Greece.
7. Pavlatou, C. Department of Molecular Biology & Genetics, Democritus University of Thrace, Greece.
8. Karapantzou, I. Department of Molecular Biology & Genetics, Democritus University of Thrace, Greece.

Member in PhD Committees:

1. Karampatea, A. Department of Food Science, Vine and Beverage Sciences, University of West Attica (Supervisory Committee Member, date of PhD viva: 02/12/2022).
2. Terpou, A. Department of Chemistry, University of Patras, Greece (Supervisory Committee Member, date of PhD viva: 15/01/2017).
3. Sidira, M. Department of Chemistry, University of Patras, Greece (graduated in 2014) (Supervisory Committee Member, date of PhD viva: 11/04/2014).

External Examiner of PhD theses:

1. Panitsa, A. Department of Chemistry, University of Patras, Greece (date of PhD viva: 28/02/2023).
2. Aindelis, G. Department of Molecular Biology and Genetics, Democritus University of Thrace, Greece (date of PhD viva: 06/04/2020).
3. Fitsiou, E. Department of Molecular Biology and Genetics, Democritus University of Thrace, Greece (date of PhD viva: 20/12/2017).
4. Saxami, G. Department of Molecular Biology and Genetics, Democritus University of Thrace, Greece (date of PhD viva: 19/12/2016).
5. Barouni, E. Department of Chemistry, University of Patras, Greece (date of PhD viva: 23/12/2015).
6. Schoina, V. Department of Chemistry, University of Patras, Greece (date of PhD viva: 22/12/2014).
7. Papadopoulou, O. Department of Food Science and Human Nutrition, Agricultural University of Athens, Greece (date of PhD viva: 31/10/2013).
8. Kallis, M. Department of Chemistry, University of Patras, Greece (date of PhD viva: 21/12/2012).
9. Bosnea, L. Department of Chemistry, University of Patras, Greece (date of PhD viva: 26/06/2009).
10. Kopsahelis, N. Department of Chemistry, University of Patras, Greece (date of PhD viva: 25/06/2009).
11. Kandyliis, P. Department of Chemistry, University of Patras, Greece (date of PhD viva: 22/06/2009).
12. Dimitrellou, D. Department of Chemistry, University of Patras, Greece (date of PhD viva: 22/06/2009).
13. Agouridis, N. Department of Chemistry, University of Patras, Greece (date of PhD viva: 31/10/2007).

Supervisor in MSc theses:

1. Andreou, K. MSc in Food, Nutrition & Microbiome, Department of Medicine, Democritus University of Thrace, Greece, 2023.
2. Skoufou, E. MSc in Food, Nutrition & Microbiome, Department of Medicine, Democritus University of Thrace, Greece, 2023.
3. Tzotzis, I. MSc in Infectious Diseases and International Medicine: From Bench to Bedside, Department of Molecular Biology & Genetics and Department of Medicine, Democritus University of Thrace, Greece, 2021.
4. Pavlatou, C. MSc in Infectious Diseases and International Medicine: From Bench to Bedside, Department of Molecular Biology & Genetics and Department of Medicine, Democritus University of Thrace, Greece, 2021.
5. Karapantzou, I. MSc in Translational Research in Molecular Biology & Genetics, Department of Molecular Biology & Genetics, Democritus University of Thrace, Greece, 2020.
6. Feidaki, E. MSc in Translational Research in Molecular Biology & Genetics, Department of Molecular Biology & Genetics, Democritus University of Thrace, Greece, 2016.
7. Kiourtzidis, M. MSc in Translational Research in Molecular Biology & Genetics, Department of Molecular Biology & Genetics, Democritus University of Thrace, Greece, 2014.

Course Co-ordination/Invited Lectures in MSc programs:

1. MSc in Food, Nutrition and Microbiome. Department of Medicine, Democritus University of Thrace, Greece (2020-today).
2. MSc in Didactics of Biosciences, Department of Molecular Biology & Genetics, Democritus University of Thrace, Greece (2019-today):
 - i) Introduction to the world of functional foods (invited lecture).
 - ii) Bioethics in genetically modified foods (invited lecture).
3. MSc in Infectious Disease-International Medicine, Department of Molecular Biology & Genetics, Democritus University of Thrace, Greece (2017-today):
Co-ordination of the course “Molecular and Clinical Bacteriology”.
4. MSc in Translational Research in Biomedicine, Department of Molecular Biology & Genetics, Democritus University of Thrace, Greece (2013-today):
 - i) Co-ordination of the courses “Clinical Nutrition” (2019-today) and “Bioentrepreneurship” (2018-today).
 - ii) Safety in working with bacteria (invited lecture).
 - iii) Bioethics in genetically modified foods (invited lecture).
5. MSc in Sustainable Production Systems & the Environment in Agriculture, Department of Agricultural Development, Democritus University of Thrace, Greece (2008-2013):
 - i) Biotechnological applications in industrial and agricultural waste treatment (invited lecture).
 - ii) Innovative applications in probiotic products production (invited lecture).
6. MSc in Food Biotechnology, Department of Chemistry, University of Patras, Greece (2007-2011):
 - i) Milk: Ultra high temperature processing-Aseptic packaging (invited lecture).
 - ii) New trends and research results in brewing (invited lecture).

Administrative work:

1. President of the Technology Transfer, Innovation and Entrepreneurship Committee (May 2023-today).
2. Member of the Plenary Committee of the Special Account for Research Funds, Democritus University of Thrace (2020-2023).
3. Deputy Chair (elected) at the Department of Molecular Biology & Genetics, Democritus University of Thrace, Greece (Sep 2018-Sep 2022)
4. Erasmus+ Coordinator for the Department of Molecular Biology & Genetics, Democritus University of Thrace, Greece (2017-today).
5. Member of the Steering Committee of MSc in Translational Research in Molecular Biology & Genetics, Department of Molecular Biology & Genetics, Democritus University of Thrace, Greece (2015-today).
6. Establishment of the Laboratory of Applied Microbiology & Biotechnology, Department of Molecular Biology & Genetics, Democritus University of Thrace, Greece (2015).