

Personal data

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Nationality: Greek

Academic education - Degrees

- Doctoral degree in Engineering: *Modelling the performance of thermal processes with respect to microbial inactivation phenomena occurring in food (model) systems.* Department of Chemical Engineering, Katholieke Universiteit Leuven, Belgium, January 5, 2006. 189 p. Promoter: Prof. J. Van Impe, co-promoter: Prof. A. H. Geeraerd.
- Graduate degree in School of Agriculture, Direction: Agriculture Industries, Science and Food technology, Aristotle University, Thessaloniki, Greece, July 2001. Total grade: GO. Thesis title : *Gelation of kappa-carrageenan in presence of low viscosity alginate.* Promotor: Prof. Costas G. Biliaderis.

Academic career

- February, 2022 - now **Associate Professor.** Department of Chemistry, School of Science, **National Kapodistrian University of Athens.**
- March, 2015 - January 2022 **Associate Professor.** Department of Food Sciences and Nutrition, Faculty of Health Sciences, **University of Malta, Malta.**
- October, 2011 - March 2015 **Senior Lecturer.** Department of Food Studies and Environmental Health, Faculty of Health Sciences, **University of Malta, Malta.**
- June, 2010 - October 1, 2011 **Research and Teaching fellow.** UCD Biosystems Engineering, School of Agriculture, Food Science & Veterinary Medicine, **University College Dublin, Ireland.**
- November, 2008 - May, 2010 **Post doctoral researcher.** School of Food Science and Environmental Health, **Dublin Institute of Technology, Dublin, Ireland.**
- May, 2008 - October, 2008 **Post doctoral researcher.** Unité Matériaux et Transformations, **French National Institute for Agricultural Research, Lille, France.**
- February, 2007 - April, 2007 **Post doctoral researcher.** Laboratory of Food Microbiology & Biotechnology, **Agricultural University of Athens, Greece.**
- February, 2006 - December, 2006 **Post doctoral researcher.** BioTeC - Bioprocess Technology and Control, Department of Chemical Engineering, Faculty of Engineering, **Katholieke Universiteit Leuven, Belgium.**
- September, 2001 - January, 2006 **Doctoral research.** *Modelling the performance of thermal processes with respect to microbial inactivation phenomena occurring in food (model) systems.* Department of Chemical Engineering, Faculty of Engineering, **Katholieke Universiteit Leuven, Belgium.**

Selected research projects as coordinator or partner

- ERA-NET BlueBio COFUND, entitled: Novel biorefinery supply chains for wastewater valorization and production of high market value bio products using microalgae.
- Marie-Sklodowska-Curie Actions - Widening Fellowships entitled: Innovative Parabiotics for oral health.
- PRIMA - EU project FLAT-BREAD-MINE (FMB): FLAT BREAD of Mediterranean area; INnovation and Emerging process and technology.

- Research and Innovation Staff Exchange (RISE- Marie Skłodowska-Curie Actions) Call: H2020-MSCA-RISE-2020 (FRIETS). Sustainable optimization of the value chain of added-value fresh and dried berries through the integration of Precision Agriculture management strategies and innovative dehydration and edible coating processes.
- Erasmus + : Cooperation for innovation and the exchange of good practices. Strategic Partnerships. The FoOd induSTry of the digiTal Era: new practices in tRaining and skills development though Extended Reality (xR). FOSTER-xR.
- Innovative Training Networks (ITN- Marie Skłodowska-Curie Actions) Call: H2020-MSCA-ITN-2020 (TRANSIT). Training Network of Sustainable Technologies.
- Innovative Training Networks (ITN- Marie Skłodowska-Curie Actions) Call: H2020-MSCA-ITN-2020 (E-MUSE). Complex microbial ecosystems multiscale modelling: mechanistic and data driven approaches integration.
- PRIMA - EU project MEDIFIT : An interlinked digital platform for Food Integrity and Traceability of relevant MEDiterranean supply chains.
- ERA-NET BlueBio Co-fund: (AquaTech4Feed) Novel sustainable aquaculture technologies for the production of innovative feeds for improved fish stocks.
- Innovative Training Networks (ITN- Marie Skłodowska-Curie Actions) Call: H2020-MSCA-ITN-2017 (PROTECT). Predictive mOdelling Tools to evaluate the Effects of Climate change on food safeTy and spoilage.
- Erasmus + : Cooperation for innovation and the exchange of good practices. Strategic Partnerships. SUstainable Intervention Technologies for controlling FOOD Safety and Stability, SUIT4FOOD.
- Erasmus + : Cooperation for innovation and the exchange of good practices. Strategic Partnerships. Quantitative Tools for Sustainable Food and Energy in the food chain, Q-SAFE.
- Horizon 2020 - SME Instrument Phase 1. SPECTRA-280: A smart, cost-effective, non-contact and non-destructive flow-through liquid fluorescence sensor for the rapid detection of adulterant matter and quality assessment of milk, fruit juice and olive oil.
- FP7-SME-2013-2 Research for the Benefit of SME Associations: Development of a new sustainable, long term solution, complying with IPM standards and the future EU Directive of sustainable use of pesticides, for the pear post-harvest sector (RE-PEAR).
- Marie Curie Career Integration Grants (CIG) Call: FP7-PEOPLE-2011-CIG. Development of novel Disinfection Technologies for Fresh Produce (DiTec).

Selected invited lectures and seminars of the past 5 years

- A Systematic Approach to Model (Myco-)toxin Production of Common Microbial Contaminants : 6th IUMS Outreach Programme on Food Safety and Mycotoxins, Universitas Gadjah Mada, Bulaksumur, Yogyakarta, Indonesia, 20-21 February 2020.
- Principles of Predictive Modelling in Food Mycology and Beyond: 6th IUMS Outreach Programme on Food Safety and Mycotoxins, Universitas Gadjah Mada, Bulaksumur, Yogyakarta, Indonesia, 20-21 February 2020.
- Decontamination technologies of fresh produce: the example of (assisted) ultrasound. IUFoST in partnership with Food Ingredients (Fi) Europe 2019, Paris - France, 3-4 December, 2019.
- Air filtration systems supporting sustainability in the post-harvest sector. IUFoST in partnership with Food Ingredients (Fi) Europe 2019, Paris - France, 3-4 December, 2019.
- Applications of nanoparticles in post-harvest intervention strategies. IUFoST, 19th World Congress of Food Science and Technology, Navi Mumbai, India, 23-27 October, 2018.

- Assessing the anti-fungal efficiency of zinc oxide nanoparticles: applications in air filtration. 46th Annual Food Science and Technology Conference, Dublin, Ireland, 6-7 December, 2017.
- (Assisted) ultrasound for decontamination strategies of fresh produce (products), Agricultural University of Athens (Greece), 24 November, 2017.
- Application of Quantitative Tools in Food Microbiology/Mycology: A Data Driven Approach. IUMS (international Union of microbiological Societies), 15th International Congress of Mycology and Eukaryotic Microbiology. Singapore, 20 July 2017.
- (Assisted) ultrasound for decontamination strategies of fresh produce (products). KULeuven/BioTeC+ Workshop in Innovative decontamination Technologies and Biofilms. KULeuven, Ghent, Belgium, 23 May, 2017.
- An introduction to quantitative microbiology. 5th IUMS Outreach Programme Faculty of Agricultural Technology, Universitas Gadjah Mada, Yogyakarta, Indonesia, 19-20 January, 2017.
- Modelling the microbial dynamics of food during different processes. 5th IUMS Outreach Programme Faculty of Agricultural Technology, Universitas Gadjah Mada, Yogyakarta, Indonesia, 19-20 January, 2017

Other professional activities and additional information

- Associate Editor: Food Research International
- Member of Editorial boards: Journal of Applied Microbiology (since 2009), Letters in Applied Microbiology (2009 - 2021), Current Opinion in Food Science (since 2013-2019), Malta Journal of Health Sciences (2013-2021), Food Research International (since 2014), International Journal of Food Microbiology (since 2016), Journal of Food Protection (since 2018).
- Chairmanships - memberships:
Member of the 'The International Committee on Food Microbiology and Hygiene (ICFMH) of the IUMS (since 2015)
Member of the 'International Committee on Predictive Modelling in Food (ICPMF) (since 2011)
 Publication Committee (PC) member of International Life Sciences Institute (ILSI) Europe (April 2013- 2014).
 Professional Member of Institute of Food Technologies (IFT).
 Member of the International Association for Food Protection (IAFP).
 Member of Society for Applied Microbiology (SfAM).
- Supervision and PhD examiner: Supervised 8 post-docs, 12 PhDs (5 as main supervisor - of which 3 completed), 11 MSc by research students, 8 MSc students, and acted as external examiner of several PhD Thesis at University of Greifswald, (Germany). Katholieke Universiteit Leuven (Belgium), Agricultural University of Athens (Greece), Universidad Politecnica de Cartagena (Spain), University of Reading, Reading, (UK), Technology University Dublin, Dublin, (Ireland), Tampere University of Technology, (Finland), University of Birmingham, Birmingham, (UK).
- Publications: [google scholar](#) // [scopus](#)
- Other information: [LinkedIn](#) // [ResearchGate](#)