

## CURRICULUM VITAE

### PERSONAL DETAILS

**Full Name** : Georgia Batra  
**Address** : Paparrigopoulou 61,P.C.43132,Karditsa, Greece  
**Telephone number:** 24410-64783, mobile ph.6974725803  
**E-mail** : [gbatra@uth.gr](mailto:gbatra@uth.gr), [gogo.batra@gmail.com](mailto:gogo.batra@gmail.com),

### EDUCATION

**Degree 21/11/1996 : Department of Agriculture Crop Production and Rural - Environment School of Agricultural Sciences - University of Thessaly**

**Master Degree 30/06/2010 : Subject Biotechnology-Food quality and Environment- Department of Biochemistry and Biotechnology - University of Thessaly**

**Ph.D. 20/12/2017 : "Subject Innovative food with slight corps processing-impact study preharvesting and post-harvesting treatments on sensory quality and nutritional value - Department of Agriculture Crop Production and Rural Environment" - School of Agricultural Sciences - University of Thessaly**

**Language : First Certificate in English (University of Cambridge)**

### TRAINING

**07/2009**  
**1. "Inspector / Chief Inspector of Food Safety Management Systems ISO 22000: 2005" TUV HELLAS**

**05/2015**  
**2. Join in the Registry "Employment Training Account" (LAEK-) – Registration number 56082**

**07/2015**  
**3. Join in the Register of Trainers of Hellenic Food Authority (EFET) - Registration number 24221661911**

**09/2015**  
**4. Obtaining Certification of Educational Adequacy of Adult Educators of Non-Formal Education of National Organization for the Certification of Qualifications & Vocational Guidance (E.O.P.P.E.P.)**  
Trainers Educational Proficiency Certificate Holder Adult Non Formal Education of E.O.P.P.E.P.

### PUBLICATIONS

**2017**  
**1. Stavros Lalas , Vasilios Athanasiadis, , Ioanna Karageorgou , Georgia Batra , George D. Nanos , and Dimitris P. Makris (2017). Nutritional Characterization of Leaves and Herbal Tea of Moringa oleifera Cultivated in Greece. Journal of herbs, spices & medicinal plants.**

**2. Batra G.\***, Gortzi O., Lalas S.I., Galidi A., Alibade A. and Nanos G.D., (2017). **Enhanced antioxidant activity of Capsicum annuum L. and Moringa oleifera L. extracts after encapsulation in microemulsions.** ChemEngineering; doi:10.3390/chemengineering1020015.

#### 2019

**3. Bozinou E., Karageorgou I., Batra G., Dourtoglou V.G. and Lalas S.I. 2019. Pulsed Electric Field extraction and antioxidant activity determination of Moringa oleifera dry leaves: A comparative study with other extraction techniques (2019).** Beverages, 5, 8; doi:10.3390/beverages5010008.

**4. A. Lakka, I Karageorgou, O. Kaltsa, G. Batra, E. Bozinou, S. Lalas, D. Makris. Polyphenol extraction from Humulus lupulus (hop) using a neoteric glycerol/L-alanine deep eutectic solvent: optimisation, kinetics and the effect of ultrasound-assisted pretreatment (2019).** Applied Sciences (Special Issue: «High-performance Green Extraction of Bioactive Substances from Plant Resources using Deep Eutectic Solvents (DES)»), AgriEngineering.

#### 2020

**5. Achillia Lakka, Spyros Grigorakis, Ioanna Karageorgou, Georgia Batra, Olga Kaltsa, Eleni Bozinou, Stavros and Dimitris P. Makris. Saffron Processing Wastes as a Bioresource of High-Value Added Compounds: Development of a Green Extraction Process for Polyphenol Recovery Using a Natural Deep Eutectic Solvent.** J Antioxidants 2019, 8, 586; doi:10.3390

**6. Achillia Lakka, Spyros Grigorakis, Olga Kaltsa, Ioanna Karageorgou, Georgia Batra, Eleni Bozinou, Stavros Lalas and Dimitris P. Makris. The Effect of Ultrasonication Pretreatment on the Production of Polyphenol-Enriched Extracts from Moringa oleifera L. (Drumstick Tree) Using a Novel Bio-Based Deep Eutectic Solvent.** J Applied science Appl. Sci. 2020, 10, 220; doi:10.3390/app10010220

**7. Olga Kaltsa, Achillia Lakka, Spyros Grigorakis, Ioanna Karageorgou, Georgia Batra, Eleni Bozinou, Stavros Lalas 1 and Dimitris P. Makris. A Green Extraction Process for Polyphenols from Elderberry (Sambucus nigra) Flowers Using Deep Eutectic Solvent and Ultrasound-Assisted Pretreatment.** J Molecules 2020, 25, 921; doi:10.3390

**8. Aggeliki Alibade, Georgia Batra, Eleni Bozinou, Chrysanthi Salakidou and Stavros Lalas. Optimization of the extraction of antioxidants from winery wastes using cloud point extraction and a surfactant of natural origin (lecithin).** J Chemical Papers 2020.

#### 2021

**9. Christos Bontsidis, Athanasios Mallouchos, Antonia Terpou, Anastasios Nikolaou, Georgia Batra, Ioanna Mantzourani, Athanasios Alexopoulos, and Stavros Plessas. Microbiological and Chemical Properties of Chokeberry Juice Fermented by Novel Lactic Acid Bacteria with Potential Probiotic Properties during Fermentation at 4 °C for 4 Weeks.** J Foods, 2021, 10(4), 768.

**10. Vasileios M. Pappas, Achillia Lakka, Dimitrios Palaigiannis, Eleni Bozinou, George Ntourtoglou Georgia Batra, Vassilis Athanasiadis, Dimitris P. Makris, Vassilis G. Dourtoglou and Stavros I. Lalas. Use of Pulsed Electric Field as a Low-Temperature and High-Performance “Green” Extraction Technique for the Recovery of High Added**

**Value Compounds from Olive Leaves.** J Beverages 2021, 7, 45;  
doi.org/10.3390/beverages7030045

**11. Olga Kaltsa, Aggeliki Alibade, Georgia Batra, Eleni Bozinou, Dimitris P. Makris and Stavros I. Lalas. Fortification of chocolate using Moringa oleifera extract encapsulated in microemulsions.** J OCL 2021, 28, 38; doi.org/10.1051/ocl/2021026

## CONFERENCES

**2016**

**1. Moringa oleifera L. The miracle tree. (2016).** Lalas S., I. Karageorgou, **G. Batra** and V. Athanasiadis. In-ternational Scientific Symposium on "Horticulture, Food and Environment - Priorities and perspectives". Craiova, Romania (26-27 October).

**2019**

**2. 8th Panhellenic Conference Greek Lipid Forum MODERN TRENDS IN THE FIELD OF LIPIDS "Recovery of antioxidant polyphenols from agro-industrial wastes with the use of a neoteric deep eutectic solvent"**

Lakka A., Karageorgou I., Kaltsa O., **Batra G.**, Alibante A., Lalas S., and Makris D.P

## EDUCATIONAL EXPERIENCE

**1/10/2010 έως 4/07/2011**

**1. Lab assistant** TEI of Thessaly (Technology Foodstuffs Department of Forestry and Natural Environment).

**1/10/2010 έως 4/07/2011**

**2. Lab assistant - TEI of Thessaly**

**16/10/2018 έως 8/02/2019**

**3. Lab assistant -TEI of Thessaly**

**25/02/2019 έως 28/06/2019**

**4. Lab assistant - University of Thessaly**

**07/10/2019 έως 31/01/2020**

**5. Lab assistant - University of Thessaly**

**03/02/2020 έως 30/06/2020**

**6. Academic Professor** in academic program "Academic Experience in Young Scientists with PhD" at the University of Thessaly

**01/10/2020 έως 31/12/2021**

**7. Academic Professor** in academic program

**12/10/21 έως 29/01/2021**

**8. Lab assistant - University of Thessaly**

**22/2/2021 έως 30/6/2021**

**9. Academic Professor** in academic program "Academic Experience in Young Scientists with PhD" at the University of Thessaly - Code (MIS) 5045548

## RESEARCH PROJECTS

**6/12/2012 έως 30/06/2013**

**1. Science project team member** in the program entitled, «**Design and Development of intervention program in Food Management topics in spaces Foodservice**» Code MIS: 372969.

**21/11/2012 έως 31/12/2013**

**2. Science project team member** in the program entitled, «**Design and Development of intervention program in Food Management topics in spaces Foodservice**» Code MIS: 372969.

**1/09/2014 έως 31/08/2017**

**3. Scientific project team member** in the project entitled **e-food science**, under the **Erasmus plus**, concerning employment, **subject study Nanofood**.  
European Erasmus + program entitled: «**DESIGN, DEVELOPMENT AND PILOT TESTING OF FREELY ACCESSIBLE ONLINE EDUCATIONAL MATERIAL, FOR A COMMON GROUP OF MODULES INTENDED FOR" FOOD SCIENCE "STUDENTS**» and acronym «e-food science», which is implemented under the European Erasmus + program Key Action 2 (KA2): Strategies and Partnerships funded by the European Union (IKY grant agreement: 2014-1-EL01-KA203-001558\_1 / 9 / 2014-31 / 8/2017).

**24/10/18 έως 21/06/21**

**4. Scientific project team member** in the project entitled: “**Creation of biofunctional chocolate products, with the addition of extracts of aromatic and medicinal plants, entrapped in microemulsions, which have been produced with innovative technology (deep Eutectic solvents)**”, Code (MIS) 5955

**24/10/18 έως 21/06/21**

**5. Scientific project team member** in the project entitled: “**Use of Pulsed Electric Field for the extraction of valuable components from plant material**” Code (MIS) 5956.

**1/7/21 έως 28/04/2023**

**6. Scientific project team member** in the project entitled: “**Creation of biofunctional mineral waters with the addition of extracts of fruits, vegetables, Greek aromatic herbs, hemp, leaves of Moringa oleifera and leaves of Greek olive varieties that have been produced with innovative technology (deeply molten solvents)**”  
(**Biofunctional-Water**)” Code (MIS) 5074556

## PROFESSIONAL EXPERIENCE

**1/10/1996 - 30/3/2008**

**1. Agriculturist** - Responsible agricultural supplies trading company branch "Batra Constantine" in Pedino - Karditsa, with responsibilities: Responsible for agro-technical support and quality control of vegetables - food in agro - wine producing units. Responsible quality vegetable-control food for export to EU states. Studies (Environmental Management Plans) for the project "Reduction of nitrates pollution from agricultural sources" measure 3.5 E.P.A.A.

**26/05/2008 έως 30/09/2011**

**2. Freelance, Agronomist** on agricultural studies and food quality control

**15/10/2013 έως 31/12/2015**

**4. Freelance, Agronomist - Researcher**

**27/02/2014 έως 26/03/2014**

**5. Adult Education implemented** by the Foundation Lifelong Learning Program in the "Centers Lifelong Learning AP7, AP8" OP Learning - Y.PAI.TH- ESPA

**17/12/2013 έως 23/01/2014**

**6. Adult Education implemented** by the Foundation Lifelong Learning Program in the "Centers Lifelong Learning AP7, AP8" OP Learning - Y.PAI.TH- ESPA

**14/05/2015 έως 15/05/2015**

**7. Lecturer** in the company "Euroeducational LTD" with the Seminar entitled "Allergenic Food".

**20/07/17 έως 30/10/17**

**8. Freelance, Agronomist - Researcher**

**9/11/18 έως Σήμερα**

**9. Freelance, Agronomist - Researcher.**