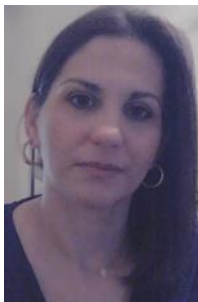



## PERSONAL INFORMATION

## Aggeliki Tسابουλα



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 [atsampou@agro.auth.gr](mailto:atsampou@agro.auth.gr)

Collaboration hours with students: Monday and Wednesday 10:00 a.m. -12:00 p.m

## WORK EXPERIENCE

2000–2006

**Research Assistant**

Pesticide Science Laboratory, Faculty of Agriculture, Forestry & Natural Environment, School of Agriculture, Aristotle University of Thessaloniki

2006–2012

**Administrative Staff**

Pesticide Science Laboratory, Faculty of Agriculture, Forestry & Natural Environment, School of Agriculture, Aristotle University of Thessaloniki

2012–2016

**Administrative Staff**

Laboratory of Ecology and Environmental Protection, Faculty of Agriculture, Forestry & Natural Environment, School of Agriculture, Aristotle University of Thessaloniki

2016–Present

**Laboratory and Teaching Staff**

Laboratory of Ecology and Environmental Protection, Faculty of Agriculture, Forestry & Natural Environment, School of Agriculture, Aristotle University of Thessaloniki

## EDUCATION AND TRAINING

1996–2001

**Diploma in Agriculture**

Faculty of Agriculture, Aristotle University, Thessaloniki (Greece)

2001–2003

**Master in Agriculture**

Faculty of Agriculture, Aristotle University, Thessaloniki (Greece)

2012–2016

**Doctor of Agriculture**

Faculty of Agriculture, Aristotle University, Thessaloniki (Greece)

## PERSONAL SKILLS

## Foreign language(s)

English

Certificate of Proficiency in English, University of Michigan

German

Goethe-Zertifikat A1

## Organisational / managerial skills

2009-2012: Quality manager (ISO 9001)

Pesticide Science laboratory, Faculty of Agriculture, Forestry &amp; Natural

## TEACHING EXPERIENCE

### Courses

**Undergraduate courses of School of Agriculture:** Environmental Protection, Wetlands and Agriculture, Agricultural Ecology, Ecology, Sustainable Development of Agricultural Resources.

**Postgraduate courses:** Ecotoxicology, Principles of ecosystem management and preparation of management plans, Organic farming and other alternative farming, Special subjects-seminars, Landscape Preservation, Restoration and Rehabilitation

### Research Interests

**General Research Area:** Impact of agriculture in the environment

**Specific Research Topics:**

Prevention of Environmental Pollution from Agricultural Activity;

Environmental fate of pesticides;

Water pollution;

Risk Assessment;

Ecotoxicology;

Ecotoxicological indicators

## WORKING EXPERIENCE

### Projects

**2000-2003:** "Investigation of pesticide residues in the groundwater and soils of Macedonian-Thracian maize-growing areas", Pesticide Science Laboratory, Scientific Director E. Papadopoulou-Mourkidou.

**2003-2007:** "Residues of pesticides in agricultural crop products" Pesticide Science Laboratory, Scientific Director E. Papadopoulou-Mourkidou.

**2006-2007:** "Development of a Laboratory of Agricultural Pesticides", Pesticide Science Laboratory, Scientific Director E. Papadopoulou-Mourkidou.

**2010-2012:** "Control of chemical quality of irrigation waters (surface and underground) on the river basin of Macedonia, Thessaly and Thrace", Pesticide Science Laboratory, Scientific Director E. Papadopoulou-Mourkidou.

**2016-2017:** "Study of the investigation of applied pesticides in the water supply areas of Thessaloniki Water Supply & Sewerage Co. S.A", Laboratory of Ecology and Environmental Protection, Scientific Director A. Mamolos.

### Conferences, Symposia and Workshops

1. Vryzas Z.; **Tsaboula, A.**; Papadopoulou- Mourkidou, E. Determination of Chloroacetanilide Herbicides, Alachlor, Metolachlor and its metabolites in Soils by Microwave-Assisted Extraction (MAE) Combined to Solid Phase Extraction (SPE) Coupled with GC-MS and HPLC Analysis. 14th SETAC annual meeting, Environmental Science Solutions: A pan-European Perspective, April 18-22 2004, Prague, Czech Republic.

2. Papadakis, E.N.; **Tsaboula, A.**; Vryzas, Z.; Papadopoulou-Mourkidou, E. Single SPE-step method for the simultaneous determination of GC-MS and LC-MS amenable pesticides in water. 3<sup>rd</sup> LAPRW Food and Environment, May 8-11 2011, Montevideo, Uruguay.

3. **Tsaboula, A.**; Papadakis, E. N; Vryzas, Z.; Kotopoulou, A.; Papadopoulou-Mourkidou, E. Evaluation of a QuEChERS-based method for the extraction of pesticide residues from sediments. 7<sup>th</sup> MGPR International Symposium 'Paolo Cabras', 'Pesticides in Food and the Environment in Mediterranean Countries', November 9-11 2011, Thessaloniki, Greece.

4. Papadakis, E.N.; **Tsaboula, A.**; Vryzas, Z.; Kotopoulou, A.; Papadopoulou-Mourkidou, E. LC-MS/MS determination and method validation of pesticide residues in tobacco. 7<sup>th</sup> MGPR International Symposium 'Paolo Cabras', 'Pesticides in Food and the Environment in Mediterranean Countries', November 9-11 2011, Thessaloniki, Greece.

5. Papadakis, E.N.; Kotopoulou, A.; **Tsaboula, A.**; Vryzas, Z.; Kintzikoglou, K.; Papadopoulou-Mourkidou, E. LC-MS/MS determination and method validation of several herbicides in surface and ground waters'. 9<sup>th</sup> European Pesticide Residue Workshop, June 25-28 2012, Vienna, Austria.

6. Vryzas Z.; Papadakis, E.N.; **Tsaboula, A.**; Kotopoulou, A.; Evagelopoulos, I.; Kantianidis, K.; Papadopoulou-Mourkidou, E. Pesticides in precipitation in two agricultural areas of Greece (changes over a decade 2002 & 2012). 7th European Conference on Pesticides and Related Organic Micropollutants in the Environment and 13th Symposium on Chemistry and Fate of Modern Pesticides, October 7-10 2012, Porto, Portugal.
7. Papadakis, E.-N.; **Tsaboula, A.**; Kotopoulou, A.; Kintzikoglou, K.; Vryzas, Z.; Papadopoulou-Mourkidou. Pesticide levels and environmental risk assessment in the surface waters of Lake Vistonis basin. 8th European Conference on Pesticides and Related Organic Micro pollutants in the Environment & 14th Symposium on Chemistry and Fate of Modern Pesticides, September 18-21 2014, Ioannina, Greece.
8. **Tsaboula, A.**; Papadakis, E.-N.; Vryzas, Z.; Kotopoulou, A.; Kintzikoglou, K.; Papadopoulou-Mourkidou, E. Pesticide monitoring programs in surface- and ground-water bodies of an Europe - Asia transboundary river basin. Pesticide behaviour in soils, water, and air. 30 August-1 September 2017, York, UK.
9. Demetrios P. Platis, Kiriaki L. Kalburtji, Christos D. Anagnostopoulos, **Aggeliki D. Tsaboula**, Andreas P. Mamolos. Carbon and water footprint indices for friendly to the environment farming practices in agroforestry. 164th EAAE Seminar: Preserving Ecosystem Services via Sustainable Agro-food Chains. 05 - 07 September, 2018, Mediterranean Agronomic Institute of Chania, Crete, Greece.
10. Michos, M., Menexes, G.C., Mamolos, A.P., Tsatsarelis, C.A., Anagnostopoulos, C.D., **Tsaboula, A.D.**, Kalburtji, K.L. 2017. Energy budget, carbon, and water footprint in perennial crops in and out Natura network. Workshop of Mediterranean Hot Spot: Challenges and responses in a changing environment, Thessaloniki, 12-13 October 2017.

## Publications

## Doctoral Thesis

1. **Tsaboula 2016**. "Pollution of surface water with pesticides and assessment of chemical quality by use of biological and chemical indicators". Doctoral Thesis. Aristotle University of Thessaloniki. (In Greek).

## Publications in Science Citation Index Journals

 <https://orcid.org/0000-0001-7113-918X>

1. Vryzas, Z., **Tsaboula, A.**, Papadopoulou-Mourkidou, E. 2007. Determination of alachlor, metolachlor and their acidic metabolites in soils by microwave assisted extraction (MAE) combined with solid phase extraction (SPE) coupled with GC-MS and HPLC-UV analysis. *Journal of Separation Science*, Volume 30, Issues 15, 2529-2538.
2. Papadakis, E.N., **Tsaboula, A.**, Kotopoulou, A., Kintzikoglou, K., Vryzas, Z., Papadopoulou-Mourkidou, E. 2015. Pesticides in the surface waters of Lake Vistonis Basin, Greece: Occurrence and environmental risk assessment. *Science of the Total Environment* 536: 793–802.
3. **Tsaboula, A.**, Papadakis, E.N., Vryzas, Z., Kotopoulou, A., Kintzikoglou, K. Papadopoulou-Mourkidou, E. 2016. Environmental and human risk hierarchy of pesticides: A prioritization method, based on monitoring, hazard assessment and environmental fate. *Environment International* 91: 78-93.
4. Emmanouil-Nikolaos Papadakis, **Aggeliki Tsaboula**, Zisis Vryzas, Athina Kotopoulou, Katerina Kintzikoglou, Euphemia Papadopoulou-Mourkidou. 2018. Pesticides in the rivers and streams of two river basins in northern Greece. *Science of The Total Environment*. Volume 624: 732–743.
5. Michos, M., Menexes, G.C., Mamolos, A.P., Tsatsarelis, C.A., Anagnostopoulos, C.D., **Tsaboula, A.D.**, Kalburtji, K.L. 2018. Energy flow, carbon and water footprints in vineyards and orchards to determine environmentally favourable sites in accordance with Natura 2000 perspective advantages. *Journal of Cleaner Production* 187, 400-408.
6. **Tsaboula, A.**, Papadakis, E.N., Vryzas, Z., Kotopoulou, A., Kintzikoglou, K. Papadopoulou-Mourkidou, E. 2019. Assessment and management of pesticide pollution at a river basin level part I: Aquatic ecotoxicological quality indices. *Science of The Total Environment*. 653: 1597-1611.
7. **Tsaboula, A.**, Menexes, G., Papadakis, E.N., Vryzas, Z., Kotopoulou, A., Kintzikoglou, K. Papadopoulou-Mourkidou, E. 2019. Assessment and management of pesticide pollution at a river basin level part II: Optimization of pesticide monitoring networks on surface aquatic ecosystems by data analysis methods. *Science of The Total Environment*. 653: 1612-1622.
8. Platis, D., Anagnostopoulos, C., **Tsaboula, A.**, Menexes, G. Kalburtji, K., Mamolos, A. 2019. Energy

Analysis, and Carbon and Water Footprint for Environmentally Friendly Farming Practices in Agroecosystems and Agroforestry. Review. Sustainability, 11, 1664.

9. Dimitrios P. Platis, Andreas P. Mamolos, Kiriaki L. Kalburtji, George C. Menexes, Christos D. Anagnostopoulos, **Aggeliki D. Tsaboula**. 2021. Analysis of energy and carbon and blue water footprints in agriculture: a case study of tomato cultivation systems. Conference paper. Euro-Mediterranean Journal for Environmental Integration 6:12.

10. Litskas, D.P. Platis, C.D. Anagnostopoulos, **A.D. Tsaboula**, G.C. Menexes, K.L. Kalburtji, M.C. Stavrinides and A.P. Mamolos. 2020. Climate change and agriculture: carbon footprint estimation for agricultural products and labeling for emissions mitigation. Chapter 3. Academic Press, Sustainability of the Food System. Sovereignty, Waste, and Nutrients Bioavailability.

#### Honours and awards

During my undergraduate studies (1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> year) I earned scholarships from the Greek State Scholarships Foundation.

The research article «Environmental and human risk hierarchy of pesticides: A prioritization method, based on monitoring, hazard assessment and environmental fate». **Tsaboula, A.**, Papadakis, E.N., Vryzas, Z., Kotopoulou, A., Kintzikoglou, K. Papadopoulou-Mourkidou, E. 2016. *Environment International* 91: 78-93» has been republished in the EU journal *Science for Environment Policy* by the European Commission's Environment Directorate-General.