

PERSONAL INFORMATION

Athanasia Mandoulaki



📍 Souliou 10, Peristerona, Nicosia, (Cyprus)

☎ (+357) 96 205210

✉ athanasia.mandoulaki@gmail.com

💬 Skype Athanasia Mandoulaki

Sex Female | Date of birth 07/08/1983 | Nationality Greek

WORK EXPERIENCE

2 Mar 15–Present

Research Associate

Cyprus University of Technology (CUT)
30 Archbishop Kyprianou Str., 3036 Lemesos (Cyprus)
www.cut.ac.cy, www.agrolife.eu

Participation in the AgroLIFE project “To promote and enable the long term conservation of High Nature Value Farmlands in Cyprus” (LIFE13 BIO/CY/001114) that is co-funded by the EU Environmental Funding Programme LIFE+ 2013 Nature & Biodiversity and is coordinating by the Cyprus University of Technology (Faculty of Geotechnical Sciences and Environmental Management Department of Agricultural Sciences, Biotechnology and Food Science)

My main working activities in the project are the coordination and implementation of sustainable agricultural practices in vineyards and carob groves, biodiversity monitoring (plants, arthropods), assessment of ecosystem services (biological control, soil formation, mineralization of plant nutrients), communication with farmers, management and monitoring of project progress, focused on its technical and administrative management, compilation of reports and deliverables, data processing and statistical analysis.

7 Jan 14–31 Dec 14

Agronomist MSc

Benaki Phytopathological Institute (BPI)
Stefanou Delta 8, 14561 Athens, Kifissia (Greece)
www.bpi.gr, www.conops.gr

Participation in the LIFE CONOPS project “Development & demonstration of management plans against - the climate change enhanced - invasive mosquitoes in S. Europe” (LIFE12 ENV/GR/000466) that is co-funded by the EU Environmental Funding Programme LIFE+ Environment Policy and Governance and is coordinating by the Benaki Phytopathological Institute (Department of Entomology and Agricultural Zoology, Laboratory of Agricultural Entomology)

My main working activities in the project were: 1. The development of integrated management plans and the assessment of their environmental impacts, 2. Field surveys in the frame of the pilot monitoring of the prototype IMS monitoring devices and 3. As scientific secretariat, the management, monitoring of project progress, focused on its technical, administrative and financial management as long as with the control of the various activities within the different Actions

During my employment in the project, I was also participated in several surveys related to the management of IMS in Greece. Therefore, I was participated in the establishment of a permanent monitoring system in several points of entry (employing BG- sentinel trap and ovitrap). This monitoring system is aiming at the monitoring of the IMS introduction, establishment and distribution. Furthermore, I conducted laboratory bioassays for testing the repellent activity of new compounds (plant-derived natural products) against *Aedes albopictus* (tiger mosquito).

1 May 2012–9 Sept 2014

Agronomist MSc

Benaki Phytopathological Institute (BPI)
Stefanou Delta 8, 14561 Athens, Kifissia (Greece)
www.bpi.gr, <http://www.co-free.eu/>

Participation in the FP7 COFREE Collaborative Project entitled «Innovative strategies for copper-free low input and organic farming systems», funded by EC, in the Department of Pesticides Control & Phytopharmacy of Benaki Phytopathological Institute. I was employed by BPI Administrative Board as personnel for a total period of sixteen months. Specifically, I had a contract of seven months in 2012 (from 01.05.2012 to 31.08.2012 and from 04.09.2012 to 03.12.2012), six months, in 2013, (from 16.05.2013 since 15.11.2013) and three months in 2014 (from 01.06.2014 to 31.07.2014 and from 01.09.2014 to 30.09.2014).

The tasks assigned to me were the following: 1. Design and conduction of field efficacy trials (in grapes and industrial tomatoes), 2. Efficacy evaluation of novel biocontrol agents/compounds and supervision of their applications by technicians in the experimental vineyards located in Southern (Peloponnesus) and Northern (Veria) Greece, 3. Assessment of downy mildew incidence caused by the pathogen *Plasmopara viticola* on leaves and bunches, in terms of number of lesions on leaves, percentage of infected leaf/bunch area, percent infected leaves/bunches per plant 4. Phytotoxicity assessment, 5. Yield quality and quantity assessment (grapes, industrial tomatoes), 6. Data processing and statistical analysis, 7. Compilation of reports and deliverables.

All years, I was responsible for the trials' set up in collaboration with the supervisor and for the communication with the novel compound(s) providers.

In 2013 and 2014 I participated in the 2nd and 3rd COFREE annual meetings that were held in Athens (Greece) and Perpignan (France), respectively. I have presented the BPI 2014 trial results in grapes in the last meeting attended.

1 Sept 08–31 Dec 08

Research assistant

University of Patras, School of Natural Sciences, Department of Biology, Plant Biology Division
University Campus, 26504 Rio (Greece)
<http://www.upatras.gr/en>, www.biology.upatras.gr

Participation in the research project of the Plant Biology Division of the Department of Biology "Solutions to the agricultural problems in the Municipality of Diakopto - Study of groundwater nitrate pollution in aquifers at Western coastal of Diakopto Municipality, Prefecture of Achaia", funded by the Research Committee of the University of Patras in the frame of the program "University of Patras' interference in the fire-damaged areas of the Municipality of Diakopto".

My main working activities included the water samplings from the drillings of the Municipality of Diakopto and the *in situ* measurements, in order to determine the concentration of water nutrients. Training was attended on the samplings methods, the *in situ* measurements of pH, temperature and electrical conductivity, determination of ammonium and nitrites concentrations by standard spectrometry methods using a double-beam spectrophotometer, and the determination of the nitrites using the method of selective nitrate electrode.

18 Sept 07–13 Dec 07

Agronomist

Hellenic Sugar Industry SA
2nd km on the National road Serres - Thessaloniki, 621 00 Serres (Greece)
www.ebz.gr

My main working activities were the quality assessment/monitoring of sugar beets (*Beta vulgaris* L.), after being harvested and transported to the sugar factory, the debris assessment (soil, stones, top leaves e.t.c.), and the yield optical monitoring.

June 05 – July 05

Practical Training

Prefectural Administration of Serres, Directorate of Agriculture Development, Department of Plant Protection and Quality Control
Omonoia, 621 25 Serres (Greece)

Control of farmer's declarations in the frame of the Integrated Administration and Control System (IACS)

EDUCATION AND TRAINING

January 2017 - Present

PhD Candidate, Department of Agricultural Sciences, Biotechnology and Food Science

Cyprus University of Technology
30 Archbishop Kyprianou Str., 3036 Lemesos
www.cut.ac.cy

6 July 15–11 July 15

Summer School: Ecological Data Analysis 2015 (EcoDar2015)

University of Aegean
University Hill, 81 100 Mytilene (Greece)
<http://www.aegean.gr/>

The Summer School organized by the Department of Marine Sciences & Department of Environment of the University of Aegean during the period 6-11 July 2015. The duration of the Summer School was 43 hours. The themes were:

1. Introduction to R software and Programming Language with Practicals
2. Classic Statistical Methods with Practicals
3. Advanced Statistical Methods with Practicals
4. Case-studies in Ecology

1 Feb 14–23 Feb 14

"Training of Trainers" Programme of the Actions "Centers of Lifelong Learning – Programmes of National Range & Programmes of Local Range AP7 & AP8", of the Operational Programme "Education and Lifelong Learning", of the National Strategic Reference Framework (NSRF) (2007-2013)

Hellenic Open University
Parodos Aristotelous 18, 26 335 Patras (Greece)
www.eap.gr

The programme had a total duration of 37 teaching hours. The 24 hours corresponded in educational material study from distance and the other 13 hours were used in two days meeting in Athens (15-16/02/2014).

The educational material was divided into four teaching units:

1. Introduction in the training of adults
2. Team Fermentation – Education and Support of Vulnerable Social Groups
3. Planning of a Teaching Unit
4. The Evaluation in Adult Education

The participation in the two-days-meeting (duration of 13 teaching hours) was obligatory, where there was practical implementation of the theoretical studied material, as well as the development of methodologies, presentation of best practice examples, answering of questions etc.

A written exercise with the title "Urban vegetable gardens" was implemented during the duration of the programme. This exercise constituted the analytical planning of a 25-hour-duration teaching unit and the planning of a short lesson with 20 minutes duration. The exercise was evaluated by the Instructor - Consultant as «Success».

8 May 11–12 June 11

CerOrganic Training of Trainers in Organic Farming

Mediterranean Agronomic Institute of Chania (MAICh)
Alsyllo Agrokypiou, 1 Makedonias, P.O. Box 85, 73100 Chania, Crete (Greece)
<http://www.maich.gr/>

Attendance in the CerOrganic Summer School during the period 23rd-28th May, 2011 and in a blended-learning training programme of five (5) weeks. The course was a pilot training initiative of the CerOrganic – Quality Training of Farmers on Organic Farming Leonardo da Vinci Project funded by the Lifelong Learning Programme of the European Commission aiming at the development of an innovative quality assurance procedure for the vocational education / training of advisors / trainers in Organic Agriculture, based on the European Quality Assurance Reference Framework (EQARF). The course was conducted in English.

The main fields of study were:

1. Blended & e-learning Design
2. ICT Technologies for Organic Agriculture Content Adaptation
3. Farmer Communication & Consultation Approaches
4. Organic Agriculture Topics, Issues & Problems – Decision Making
5. Quality Assurance in Learning

A Preliminary (as a presentation) and a Main Assignment with the title «Reusing of olive oil by-products: Potential utilization of olive mill wastewater (OMW) as ecological fertilizer and natural fungicide» were prepared and submitted. The overall course grade was 65% (Grade C).

22 Oct 08–07 July 11

Master in Ecology – Management and Protection of Natural Environment

University of Patras, School of Natural Sciences, Department of Biology
University Campus, 26504 Rio (Greece)
<http://www.upatras.gr/en>, www.biology.upatras.gr

The attendance in the postgraduate programme of the Department of Biology had duration of six (6) semesters. The first two (2) semesters included the attendance of eight (8) lessons, in total and the deliverable and presentation of six (6) projects, in the frame of six (6) lessons:

- Biogeography, "Parsimony Analysis of Endemism (PAE) and Management of Biodiversity"
- Biodiversity, "Human Impacts on the Flora of Crete"
- Agriculture and Environment, "Depletion of the Natural Resources"
- Agro ecosystems management, "Pests and Diseases of Rapeseed – Biological control"
- Economical exploitation of natural resources and the environment, "Geothermic energy"
- Pollution and Ecotoxicology, "Effects and toxicity of the herbicide Molinate (Ordram)"

The last four (4) semesters included the implementation and writing of the Master Thesis with the title: "Assessment of efficacy of Olive Mill Wastewater (OMW) against the fungal pathogen *Sphaerotheca fusca* (Fr.) S. Blumer" in cucurbits (*Cucumis sativus* L.). My Master Thesis research was conducted at the Department of Pesticides Control & Phytopharmacy (DPC&P) of Benaki Phytopathological Institute. The Master dissertation included the determination of the total phenolic content using the Folin & Ciocalteu method, *in vitro* bioassays in order to examine OMW phytotoxicity on cucumber seed germination and their effect on germination progress of *S. fusca* conidia using fluorescence microscopy, *in vivo* bioassays and *in planta* testings in order to investigate the selectivity of OMW concentrations and the minimal effective dose in field conditions, phytotoxicity assessment, data processing and statistical analysis.

The award of Master's degree was at 21/11/2011, with a degree 8,94/10 (DISTINCTION)

14 Oct 06 – 31 Jan 07

Erasmus Programme (European Community Action Scheme for the Mobility of University Students)

Aristotle University of Thessaloniki (AUTH), University Campus, 54124 Thessaloniki (Greece)
Universidad Politecnica de Valencia, Camino de Vera, s/n 46022 Valencia (Spain)
<http://auth.gr/uni>, <http://auth.gr/agro>, <http://www.etsiamn.upv.es/>, <http://www.euita.upv.es/>

During the 5th year of my undergraduate studies, I participated in the Erasmus Programme. My host university was the Universidad Politecnica de Valencia (Escuela Técnica Superior de Ingeniería Agronómica y del Medio Natural, Escuela Técnica Superior de Medio Rural y Enología), in Spain. The duration of my Erasmus stay was 3,5 months.

Sept 01–July 07

BSc in the Department of Plant Protection at the School of Agriculture

Aristotle University of Thessaloniki (AUTH)
University Campus, 54124 Thessaloniki (Greece)
<http://auth.gr/en>, <http://auth.gr/en/agro>

The attendance in the undergraduate programme of the Department of Plant Protection at the School of Agriculture had duration of eight (8) semesters

An experiment was also conducted in the frame of undergraduate studies entitled: "Development of a system for measuring the daily food consumption by individual adults of the Mediterranean fruit fly

Ceratitis capitata (Wiedemann)"

The award of Bachelor's degree was at 16/07/2007, with a degree 7,20/10 (VERY GOOD)

PERSONAL ACTIVITIES

Native language greek

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
english	C1	C1	B2	B2	C1
Certificate of Competency in English (CCE)					
spanish	B2	B2	B2	B2	B2
Diploma de Español Como Lengua Extranjera (Nivel B2), Instituto Cervantes					

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user
<http://europass.cedefop.europa.eu/en/resources/european-language-levels-cefr>

Communication skills

- Working in team (team worker)
- Communicative
- Creative
- Organised
- Friendly

Organizational / administrative skills

My participation in various Research Projects as well as the collaboration with different bodies [Public bodies, Private bodies, Institutions, SMEs (Small-Medium Enterprises)] from Greece and Europe have contributed significantly in the upgrade and development of skills and in acquiring further experience regarding:

- The coordination of European Research Programmes/Projects (FP7, LIFE), in scientific, administrative and financial level. Gaining experience in the management of the aforementioned Programmes/Projects and in monitoring their progress.
- The provision of precise advices on issues related to the technical, administrative and financial management.
- The organization of scientific and professional meetings and workshops.
- The preparation of texts, articles, press release documents both in greek and english.
- The development and design of questionnaires/surveys and analysis of the outcome data.
- The preparation of presentations for Greek and international scientific conferences and meetings.
- The organization and planning of activities, as well as in taking direct decisions and initiatives. Further, my abilities have been improved in terms of the effective accomplishment of duties, under time-limited and stress conditions and in keeping strictly the deadlines, in terms of delivering the progress reports and the deliverables of the project.
- The ability to collaborate with various scientists and working in team.
- The ability of analytical and critical thinking as well as in development of interpersonal skills and communication with various people with different level of education.

Job-related skills

Knowledge and experience have been acquired during my undergraduate and postgraduate studies and through my participation in Research Programmes/Projects in:

- Text/articles/reports performance and statistical analysis of data.

- Designing and implementation of field and greenhouse experiments (large-scale, small-scale, semi-field).
- Studying of host-pathogen interaction systems by carrying out bioassays and using fluorescent microscopy (Image Analysis).
- Environmental Legislation and Agriculture and Agro-environmental Policy.
- Good Efficacy Practice (GEP) and EPPO Standards.
- Yield quality and quantity assessment (sugar-beets, grapevine, industrial tomatoes).
- Agricultural Production Systems (organic and conventional farming).
- Keeping in line with and application of basic principles and methods of sampling.
- Application of analytical methods (spectrophotometry, total phenols, titratable acidity).
- Laboratory organization, ordering chemicals and consumables.
- Using of data loggers and telemetric meteorological station for recording field environmental data and equipment in the laboratory.
- Decision Support Systems based on plant disease forecasting models [(Grape Vine Downy Mildew, GVDM model (*Plasmopara viticola*), Frey & No Blight models (*Phytophthora infestans*)].

Computer skills

- Very good knowledge of Microsoft Word, Microsoft Excel, Microsoft Power Point, Microsoft Access, Holder of the Certificate of ECDL Core (European Computer Driving Licence).
- Basic knowledge on Geographical Information Systems(GIS), ArcGIS (ArcInfo-ArcView) Version 9.
- Very good knowledge of the statistical software packages IBM SPSS Statistics 21.0 and GenStat 10thEdition.
- Knowledge of UTHSCSA Image Tool (IT) (Image Processing and Analysis Program).
- Basic knowledge on the statistical environment R (participation to the Summer School Ecodar2015).

Other skills

Member of Geotechnical Chamber of Greece (GCG)
Member of Pan-Cyprian Association of Agronomists

Driving licence

B

ADDITIONAL INFORMATION

Publications

Spiliopoulos I.C., Mandoulaki A., Theodorakopoulou A., Angelopoulos K., 2009. Groundwater Nitrate Pollution in Northern Part of Achaia Prefecture. *Desalination*, 248: 852-858.

Presentations

Mandoulaki A., Angelopoulos K., 2010: Evaluation of the possible efficacy of Olive Mill Wastewater (OMW) and extracts produced from rapeseed pellets against fungal pathogens. 7th Meeting of MSc and Phd students of Biology Department, 15 February 2010, Patras.

Spiliopoulos I.C., Mandoulaki A., Theodorakopoulou A., Angelopoulos K., 2008. Groundwater Nitrate Pollution in North Eastern Coastal of Achaia Prefecture. *Protection and Restoration of the Environment IX*, 29 June-3 July 2008, Kefalonia.

Zotos S., Erotokritou E., Mandoulaki A., Sergides L., Xenophontos M., Stavriniades M. & Vogiatzakis I.N., 2016. Rocky shelters for lizards: A way to preserve agricultural biodiversity. 9th Symposium on the Lacertids of the Mediterranean Basin, 20-23 June 2016, Limassol, Cyprus.

Varnava Androulla, Stavroulla Louka, Athanasia Mandoulaki, Stavriniades C. Menelaos, 2016. Biodiversity of wild bees in Cyprus: past, present, future. The 7th Eurbee Congress of Apidology, 7-9 September, Cluj-Napoca, Romania.

E. Markellou, A. Mandoulaki, E. Toufexi, G. Balayiannis, C. Leifert, A. Theocharis, D. Kizis, 2016. Studies on the mode of action and efficacy of novel biocontrol agents used for the management of major fungal diseases. 18th Hellenic Congress of Phytopathology, 18-21 October 2016, Irakleio, Crete, Greece.

Posters

A. Mandoulaki, S. Zotos, A. Martinou, M. Xenophontos, L. Sergides, I.N. Vogiatzakis, M. Stavriniades,

2015: AgroLIFE (LIFE13 BIO/CY/001114) To promote and enable the long term conservation of High Nature Value Farmlands in Cyprus. Networking and Best Practices for Mediterranean Grassland Habitat Types, 29-30 May 2015, Prespa, Greece.

S. Zotos, A. Mandoulaki, L. Sergides, M. Xenophontos, E. Erotokritou, A. Martinou, M. Stavrinides, I.N. Vogiatzakis, 2015: Investigating the effect of different agricultural practices on fauna diversity in HNVFs in Cyprus. 13th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions, 7-11 October 2015. Irakleio, Crete, Greece.

Participation in conferences and seminars

- Conference on «Family Farming: challenges and prospects», 2 December 2016, Nicosia, Cyprus.
- Workshop «Equipment for crop protection agricultural sprayers. Inspection of sprayers in use and new standards», Centre of Agricultural Education, Limassol, 27 October 2016.
- Training seminar of Agronomy consultants on plant protection products, 9-10 December 2015, Nicosia, Cyprus.
- Networking and Best Practices for Mediterranean Grassland Habitat Types, Prespa, Greece, 29-30 May 2015.
- European Geosciences Union General Assembly 2015 Vienna, Austria, 12 – 17 April 2015.
- Regional Congress EU – Sustainable Agricultural Development of Akamas in Cyprus, Droushia, Paphos, 24 January 2015.
- Workshop «Mosquito Control and Public Health in Greece», Thessaloniki, 15 October 2014.
- Workshop LIFE Climate Action sub-programme, in the frame of the LIFE financial instrument of the European Union, Athens, 12 June 2014.
- International Conference "ADAPTtoCLIMATE", Lefkosia, Cyprus, 27-28 March 2014.
- Online course «Crafting an Effective Writing: Tools of the Trade (Fundamental English Writing) », San Jacinto College (www.coursera.org), 25 March 2014.
- 2nd Stakeholder Workshop: "The LIFE CONOPS project: systems for the surveillance of invasive mosquito species", Bologna, Italy, 10 March 2014.
- 1st Stakeholder Workshop on the topic: "New mosquito species in Greece: risks and management", in the frame of LIFE CONOPS (LIFE12 ENV/GR/000466) «Development and demonstration of management plans against - the climate change enhanced - invasive species in South Europe", Athens, 12 December 2013.
- "New LIFE in Agro environment" Workshop, co-organized by Benaki Phytopathological Institute and the Directorate-General of Rural Research of Hellenic Agricultural Organisation Demeter to celebrate the 20th anniversary of the European Union's LIFE+ funding programme for the environment, Athens, 1 June 2012.
- Open-Day on " Biotechnology and Safety in Modern Crop Protection" in the frame of the European research program FP7-REGPOT-2008-1: BPI Plant-Heal 230010 "Development of Benaki Phytopathological Institute as a Centre of Excellence in Plant Health and Crop Protection", Benaki Phytopathological Institute, Athens, 17 December 2012.
- 3rd European Workshop: "The impact of Agricultural Biotechnology on Organisms and the Environment" within the framework of the Project FP7-REGPOT-2008-1: BPI Plant-Heal 230010 "Development of Benaki Phytopathological Institute as a Centre of Excellence in Plant Health and Crop Protection», Benaki Phytopathological Institute, Athens, 11 December 2012.
- 1st International Conference on Medicinal Crops (Plants & Mushrooms). Challenges and Prospects for Sustainable Development in Small Farming, Athens, Greece, November 9-12, 2011.
- 1st European Workshop on: "Harmful Organisms and the EU Plant Health Policy" in the frame of the European research program FP7-REGPOT-2008-1: BPI Plant-Heal 230010 "Development of Benaki Phytopathological Institute as a Centre of Excellence in Plant Health and Crop Protection», Benaki Phytopathological Institute, Athens, 27-28 May 2010.
- 7th Workshop of M.Sc and Ph.d students of Biology Department, Patras, 15 February 2010.
- 6th PanHellenic Conference on Agricultural Engineering "The Agricultural and Biosystems Engineering in the era of Biofuels and Climate Change", Thessaloniki, 8-10 October 2009.
- Protection and Restoration of the Environment IX, Kefalonia, 29 June-3 July 2008.
- 8th PanHellenic Conference on Agricultural Economics: The Greek Agriculture and Countryside in the Expanded European Union: New Challenges and Orientations, Thessaloniki, Greece, 25-27 November 2004.

- Event with the title: "The Europe of 25: New horizon in the labour market", Thessaloniki, Greece, 18 December 2004.
- 4th PanHellenic Meeting of Plant Protection, Larissa, Greece, 2-4 March 2004.
- Scientific Workshop on the topic: Organic food: Organic Farms in Soil Quality, in the frame of the Scientific Multi-Conference 'Festival' Studies, Thessaloniki, Greece, 8-9 May 2004.