

## PERSONAL INFORMATION



### Vassilis Litskas, MSc, PhD

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🌐 [https://www.researchgate.net/profile/Vassilios\\_Litskas](https://www.researchgate.net/profile/Vassilios_Litskas)

Sex Male | Date of birth 05/05/1982 | Nationality Greek

## WORK EXPERIENCE

### UNIVERSITY RESEARCH ASSOCIATE

**(2015-2020: 69.25 person months in scientific projects as a Post doc)**

#### Post doc

- P1 Post doc researcher (Project Ecowinery)**  
01/07/2019 – 02/10/2021  
Cyprus University of Technology - Dept of Agri Sciences, Biotechnology and Food Science. Limassol, Cyprus.
- Post doc researcher in the RESTART 2016-2020 project Ecowinery (EXCELLENCE/1216/0279). Research relevant to environmental footprint of viticulture/ agriculture; C sequestration in vineyards; Energy saving in wineries and footprint mitigation in viticulture and winemaking. Support project management. Sustainable Agriculture Group (Head: Assist. Prof. Menelaos Stavrinides). Time in this project: 20 pmonths.
- P2 Research associate (Project Wasec)**  
02/01/2019 – 31/12/2020  
Open University of Cyprus - School of Pure and Applied Sciences. Nicosia, Cyprus.
- Research associate in the ERASMUS+ KA2 Project Wasec (598480-EPP-1-2018-1-PS-EPPKA2-CBHE-JP). Project management; researcher in topics related to water management; climate change; educational material development. Terrestrial Ecosystems Management Lab (Head: Prof Ioannis Vogiatzakis). Total time in this project 5.25 pmonths.
- P3 Research associate (Project EnVeROS)**  
02/01/2019 – 31/12/2020  
Open University of Cyprus - School of Pure and Applied Sciences
- Research associate in the ERASMUS+ KA2 Project EnVeROS (2018-1-CY01-KA204-046919). Project management; researcher in topics related to road ecology; roadkills; educational material development. Terrestrial Ecosystems Management Lab (Head: Prof Ioannis Vogiatzakis). Total time in this project 8.00 pmonths.

- P4 Services to Cyprus University of Technology (Project Agrolabs)**  
30/01/2018 – 30/06/2018  
Cyprus University of Technology - Dept of Agri Sciences, Biotechnology and Food Science. Limassol, Cyprus.
- External services to the Project Agrolabs (Interreg Balkan-Med) for the evaluation of Cypriot products in terms of quality and environmental footprint. (supervisor Assoc. Prof. Nikolaos Tzortzakis). Our work focused on aromatic plants water, carbon and energy footprints.
- P5 Research associate (Project Genomite)**  
02/03/2015 – 31/12/2017  
Cyprus University of Technology - Dept of Agri Sciences, Biotechnology and Food Science. Limassol, Cyprus.
- Research associate in the FACCE project GENOMITE (KOINA/ΠΚΠ/FACCE/1013/10). Fundamental Niche Modelling for species of agricultural interest (e.g. pests, natural enemies, crops). Deliverables and reports preparation; scientific writing. Sustainable Agriculture Group (Head: Assist. Prof. Menelaos Stavrinos). Total time in this project 31 p months

## **WORK IN PROJECTS AS PHD, MSC STUDENT**

- P6,7 Research assistant**  
17/05/2011 – 31/12/2011  
Aristotle University of Thessaloniki - Veterinary School. Ecology and Environmental Protection Lab (Prof. X. Karamanlis). Thessaloniki, Greece.
- Impact of the antibiotics amoxicillin and doxycycline in non-target species. Auth research committee, project codes: 87038-9 (2 different projects).
- P8 Research assistant**  
24/02/2009 – 13/04/2009  
Aristotle University of Thessaloniki - Veterinary School. Ecology and Environmental Protection Lab (Prof. X. Karamanlis). Thessaloniki, Greece.
- Initial study for the establishment of stock raising zones in the Nevrokopi region, Drama. Auth research committee, project code: 84154.
- P9 Research assistant**  
01/03/2008 – 31/07/2008  
Aristotle University of Thessaloniki - Veterinary School. Ecology and Environmental Protection Lab (Prof. A. Kamarianos). Thessaloniki, Greece.
- Services for the application of the EU water framework directive for the monitoring of water quality in surface water in the Strymon river basin. <http://appliedsoilab.web.auth.gr/index.php/el-GR/2013-06-06-06-12-32/projects>  
Auth research committee, project code: 82424.
- P10 Research assistant**  
21/01/2008 – 31/10/2008  
Aristotle University of Thessaloniki – School of Agriculture. Hydraulics Lab (Prof. D. Karamouzis). Thessaloniki, Greece.
- Supplementary research for the sustainable use of the water resources of Chalkidiki – Olynthos dam. Auth research committee, project code: 82903.

## **Consultant**

- P11 at Leonidas Nicolaou and Associates, Athens (subcontractor for Oreade-Breche, France).  
01/01/2007 – 30/06/2007
- Environmental impact evaluation of the common agricultural policy measures in the European cotton production section – the case of Greece.
- P12 **Research assistant**  
01/09/2006 – 31/12/2006  
&  
10/03/2007 – 30/06/2007
- Aristotle University of Thessaloniki – School of Agriculture. Hydraulics Lab (Prof. V. Antonopoulos). Thessaloniki, Greece.
- Nitrogen and water management in rice fields for water saving and protection of the aquatic environment. Auth research committee, project code: 80862.

## **SPECIAL TEACHING SCIENTIST**

### **(2013-2020: 655 h undergraduate teaching; 8 different university courses)**

- 13/01/2020 – 19/05/2020 **Undergraduate level teaching**  
Cyprus University of Technology - Dept of Agri Sciences, Biotechnology and Food Science. Limassol, Cyprus.
- ABF 312 Agricultural Hydraulics / Irrigation and ABF 219 Agricultural Meteorology (Department of Agricultural Sciences, Biotechnology and Food Science). 14 weeks x 4.5 h teaching (63h or 0.44 pmonths).
- 03/09/2018 – 21/12/2018 **Undergraduate level teaching**  
University of Cyprus - Dept of Civil and Environmental Engineering. Nicosia, Cyprus.
- CEE 490 Thesis Capstone Project (I). Supervising-guiding students to complete their thesis (environmental impact assessment part). Teaching time: 4 hours x 15 weeks (60 h; 0.42 pmonths).
- 15/01/2018 – 20/04/2018 **Undergraduate level teaching**  
University of Cyprus - Dept of Civil and Environmental Engineering. Nicosia, Cyprus.
- CEE 471 Hydrology and CEE 383 Environmental Impact Assessment. Teaching time: 6 h x 14 weeks (84 hours; 0.59 pmonths).
- 15/01/2018 – 24/05/2018 **Undergraduate level teaching**  
Cyprus University of Technology - Dept of Agri Sciences, Biotechnology and Food Science. Limassol, Cyprus.
- ABF 219 Agricultural Meteorology and ABF 414 Agricultural Machinery/Equipment (Department of Agricultural Sciences, Biotechnology and Food Science). 13 weeks x 5 h teaching (70h or 0.48 pmonths).
- 16/01/2017 – 31/05/2017 **Undergraduate level teaching**  
Cyprus University of Technology - Dept of Agri Sciences, Biotechnology

and Food Science. Limassol, Cyprus.

- ABF 219 Agricultural Meteorology and ABF 414 Agricultural Machinery/Equipment (Department of Agricultural Sciences, Biotechnology and Food Science). 13 weeks x 6 h teaching (78h or 0.54 pmonths).

**04/09/2017 – 15/12/2017 Undergraduate level teaching**

University of Cyprus - Dept of Civil and Environmental Engineering. Nicosia, Cyprus.

- CEE 490 Thesis Capstone Project (I). Supervising-guiding students to complete their thesis (environmental impact assessment part). Teaching time: 4 hours x 15 weeks (60 h; 0.42 pmonths).

**04/09/2017 – 31/12/2017 Undergraduate level teaching**

Cyprus University of Technology - Dept of Agri Sciences, Biotechnology and Food Science. Limassol, Cyprus.

- ABF 220 Introduction to geotechnical sciences (Department of Agricultural Sciences, Biotechnology and Food Science). 13 weeks x 1.5 h teaching (19.5h or 0.17 pmonths).

**05/09/2016 – 31/12/2015 Undergraduate level teaching**

Cyprus University of Technology - Dept of Agri Sciences, Biotechnology and Food Science. Limassol, Cyprus.

- ABF 220 Introduction to geotechnical sciences (Department of Agricultural Sciences, Biotechnology and Food Science). 13 weeks x 1.5 h teaching (19.5h or 0.17 pmonths).

**18/01/2016 – 31/05/2016 Undergraduate level teaching**

Cyprus University of Technology - Dept of Agri Sciences, Biotechnology and Food Science. Limassol, Cyprus.

- ABF 219 Agricultural Meteorology and ABF 414 Agricultural Machinery/Equipment (Department of Agricultural Sciences, Biotechnology and Food Science). 13 weeks x 6 h teaching (78h or 0.54 pmonths).

**19/01/2015 – 31/05/2015 Undergraduate level teaching**

Cyprus University of Technology - Dept of Agri Sciences, Biotechnology and Food Science. Limassol, Cyprus.

- ABF 219 Agricultural Meteorology and ABF 414 Agricultural Machinery/Equipment (Department of Agricultural Sciences, Biotechnology and Food Science). 13 weeks x 6 h teaching (78h or 0.54 pmonths).

**02/09/2013 – 13/12/2013 Undergraduate level teaching**

University of Cyprus - Dept of Civil and Environmental Engineering. Nicosia, Cyprus.

- Undergraduate level teaching - CEE 481 Environmental Impact Assessment. Teaching time: 3 h x 15 weeks (45 hours; 0.31 pmonths).

## VISITING LECTURER

### (under/ MSc level teaching (117h); supervising 3 MSc students)

- 01/09/2014 – 31/12/2014    Lecturer  
University of Cyprus - Dept of Civil and Environmental Engineering. Nicosia, Cyprus.
- Visiting Lecturer at Dept of Civil and Environmental Engineering. Undergraduate teaching CEE 490 Thesis Capstone project (supervising 33 undergraduate students for their thesis), CEE 481 (now 383) Environmental Impact Assessment. MSc level teaching: CEE 582 Solid and Hazardous Waste Management. 13 weeks x 9 h teaching (117h or 0.82 pmonths). Assisting 3 MSc students for their thesis (under the supervision of Ass. Prof Despo Fatta).

## EDUCATION AND TRAINING

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### UNIVERSITY LEVEL

- 03/2009-01/2013    PhD Veterinary Science / Ecology and Environmental Protection  
School of Veterinary Science, Laboratory of Ecology and Protection of the Environment; Aristotle University of Thessaloniki, Greece.
- Research on the fate of xenobiotics in the terrestrial ecosystem  
<http://www.didaktorika.gr/eadd/handle/10442/29141?locale=en> (Thesis in Greek, English abstract)
- 10/2005-01/2008    MSc on Ecology and Sustainable Ecosystems Management  
Department of Agriculture, Aristotle University of Thessaloniki, Greece.
- Water quality and management in irrigation systems  
<http://ikee.lib.auth.gr/record/106646/files/gri-2008-1576.pdf> (Thesis in Greek, English abstract)
- 10/2000-07/2005    Ptychion (5 years studies) Equivalent to BSc in Agronomy and MSc in Land reclamation, soil science and agricultural engineering  
Department of Agriculture, Aristotle University of Thessaloniki, Greece.
- Thesis: Comparison (soil characteristics and Carbon footprint) of organic and conventional sweet cherry orchards.

## TRAINING

- 27/11/2017-02/12/2017    Sustainable Innovation in Agriculture and Food Production  
EIT Climate KIC training. Budapest, Hungary- Catalyst:

- <https://learning.climate-kic.org/en/courses/catalyst-3>

- 30/08/2016-02/09/2016 **Ecological Niche modelling**  
 Prof. Darren Kriticos, CSIRO and The University of Queensland (Headquarters of the European and Mediterranean Plant Protection Organisation, Paris).  
 ▪ <https://pestrisk.org/climex-version-4-training/>
- 12 & 19/11/2014 **Seminar on environmental chemical analysis**  
 NIREAS International Water Research Center.  
 ▪ Quality assurance and control of measurements.
- 29/10/2014-31/10/2014 **Training School**  
 COST W<sub>2</sub>O<sub>20</sub>.  
 ▪ Wastewater Resource Recovery Technologies.
- 21/01/2008-21/04/2007 **Executives of information centers and protected area management bodies**  
 Vocational training center – Diavlos, Theassaloniki, Greece.  
 ▪ 400 hours (240 h theory & 160 practice)
- 04/02/2008-08/02/2008 **Environmental Management of Preserved Regions**  
 Bildungs- und Management Service GmbH, Fohhsdorf, Austria.  
 ▪ 25 hours training on environmental protection with emphasis to protected areas.
- 20/11/2006-22/11/2006 **ArcGIS**  
 Marathod Data Systems, Thessaloniki, Aristotle University.  
 ▪ 3 days training on environmental applications of ArcGIS.

## PERSONAL SKILLS

Mother tongue(s) Greek

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C1	C1	C2

University of Michigan proficiency in English; scientific writing & oral presentations in international conferences in English

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user  
 Common European Framework of Reference for Languages

- Communication skills**
- Effective speaking/ listening/ writing in Greek and English. Gained from my Working and Education experience (e.g. participating in multidisciplinary scientific projects / submission of research proposals / teaching/ supervising undergraduate and post graduate students and presenting in scientific conferences/ journals).
- Organisational / managerial skills**
- Acquired through participation in scientific projects and the experience as a researcher, project manager as well as university level teacher (e.g. Creating and keeping deadlines. Goal setting and meeting goals. Teamwork/ Team management. Problem solving. Productivity. Multitasking. Decision making. Managing appointments and making schedules.
- Job-related skills**
- All my academic degrees (ptychio, MSc and PhD) are relevant to the call and the topic of my proposal.
  - I have 11 publications (see Annexes A0,1,2 in bold) in the topic of my proposal.
  - I have actively participated in scientific proposal writing (see Annex A4). Total funds: 408,961 euros (see bold A4).
  - I am an invited lecturer since 2016 in the MSc course ABF 506, teaching environmental footprints.
- Computer skills**
- Excellent command of office suite (word processor, spread sheet, presentation software)
  - Statistical software (STATGRAPHICS centurion)
  - Geographic Information System (QGIS)
  - CLIMEX software for Bioclimatic Envelope Modelling
  - Life Cycle Assessment software (Open LCA, CoolFarmTool).
- Analysis/ Laboratory/ field**
- Chromatography (UPLC/MS/MS, HPLC UV; FLD, GC/MS).
  - Ultraviolet-Visible Spectroscopy (UV-Vis spectroscopy).
  - Atomic Absorbance Spectroscopy (AAS).
  - OECD protocols; fate of pollutants in the environment and toxicity assays.
  - Creating and keeping spider mites' cultures in the lab.
  - Semi-field and field experiments planning and execution.
- Environmental chemistry- Agronomy**
- Biodegradation and fate of xenobiotics in the terrestrial environment.
  - Effects of xenobiotics on microbial activity in the soil and nutrient cycling.
  - Use of biological systems (e.g. rice crops) for remediation of contaminated environments.
  - Modelling Carbon Sequestration in terrestrial environment for Climate Change Mitigation.
  - Bioclimatic Envelope Modelling for the effects of climate change on ecosystems.
  - Biological control of pests / use of natural enemies. Crops/ pests/ natural enemies' interactions.
- Driving licence** Driving licence category: B

## ADDITIONAL INFO

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### Publications/ Citations

22 publications in Scientific Journals (peer review) / (See Annexes A0-1)/ h-index 8.  
One book chapter (see Annex A0)

### Presentations/ Conferences

19 presentations in Scientific Conferences (peer review) (See Annex A2)

### Projects

Participation in 12 multidisciplinary scientific projects (see Annex A3) and my responsibilities were research, project management, creation of educational material and courses building. During the period 2015-2019, I also had key role to the submission of 12 scientific proposals (see Annex A4).

## HONOURS AND AWARDS

2018 The proposal PEF-Cy was 4<sup>th</sup> among >250 submitted and selected for funding in the RESTART DIDAKTOR CALL. See annex A4.

2010-2011 & 2011-2012: The research committee of the Aristotle University of Thessaloniki (RC.auth.gr) scholarship for excellent PhD students.

2009: Grand from "Konstantinos Katseas" fund for a study related to the northern Greece natural resources protection. Study title: "Energy balance and greenhouse gas emissions in the agricultural areas of Pella, Greece".

## INVITED TALKS

5 invited talks (2016-2020) in the MSc course ABF 506 (Applied and molecular ecology), teaching environmental footprints.

1 invited talk in Open University of Cyprus (see <https://www.ouc.ac.cy/index.php/el/news-events-menu-2/ekdiloseis/1131-env-chem>).

### Memberships

2016-Present EURAAC (European Association of Acarologists)

2015-Present SETAC (Society of environmental toxicology and chemistry)  
<https://www.setac.org/>

2007-Present Hellenic Society of Agricultural Engineers (EGME)

### Reviewer

International J. of Environmental Analytical Chemistry (Taylor & Francis)  
CLEAN (Wiley)

Science of the Total Environment (Elsevier)

Journal of Environmental Chemical Engineering (Elsevier)

Environmental Toxicology and Chemistry (WILEY)

Environmental Pollution (Elsevier)

Chemosphere (Elsevier)

Journal of Cleaner Production (Elsevier)

Sustainability (MDPI)

Water (MDPI)



## ANNEXES

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### A0. BOOK CHAPTERS AND REPORTS

- Litskas, V.D, Platis, D.P., Anagnostopoulos C., Tsaboula A., Menexes, G.C., Kalburtji, K.L., Stavrinides, M.C. and Mamolos, A.P., 2020. Climate Change and Agriculture: Carbon Footprint estimation for agricultural products and labeling for emissions mitigation. In: *Sustainability of the Food System: Sovereignty, Waste, and Nutrients Bioavailability* (N. Betoret & E. Betoret Eds), pp 33-47. Academic Press, Elsevier.
- Vogiatzakis Ioannis, Zotos Savvas, Litskas Vassilis, Manolaki Paraskevi, Sarris Demetrios, Stavrinides Menelaos, 2017. Mapping and Assessment of Ecosystem Services (MAES) in CYPRUS. Report submitted to the Department of Environment.
- Vogiatzakis Ioannis, Manolaki Paraskevi, Litskas Vassilis, Zotos Savvas, 2018. Mapping and Assessment of River Ecosystem Services (MAES) in CYPRUS. Report submitted to the Department of Environment.

### A1. PAPERS IN SCIENTIFIC JOURNALS (PEER REVIEW)

- Antonios Chrysargyris, Panayiota Xylia, Vassilis Litskas, Menelaos Stavrinides, Lisa Heyman, Kristof Demeestere, Monica Höfte and Nikolaos Tzortzakis, 2020. Assessing the Impact of Drought Stress and Soil Cultivation in Chardonnay and Xynisteri Grape Cultivars. *Agronomy* 2020, 10(5), 670; <https://doi.org/10.3390/agronomy10050670>
- Vassilis D. Litskas, Nikolaos Tzortzakis, and Menelaos C. Stavrinides, 2020. Determining the Carbon Footprint and Emission Hotspots for the Wine Produced in Cyprus. *Atmosphere* 11(5), 463; <https://doi.org/10.3390/atmos11050463>
- Ioannis Vogiatzakis, Savvas Zotos, Vassilis Litskas, Paraskevi Manolaki, Demetrios Sarris, Menelaos Stavrinides, 2020. Towards implementing Mapping and Assessment of Ecosystem Services in Cyprus: A first set of indicators for ecosystem management. *One Ecosystem* 5: e47715.
- Litskas, V.D., Migeon, A., Navajas, M., Tixier, M-S., Stavrinides, M.C., 2019. Climate change expected to reduce suitability of land for tomato production and increase mite outbreaks. *Env Res letters*, Vol 14, no 8.
- Alain Migeon, Maria Navajas, Marie-Stéphane Tixier, Vassilis D. Litskas, Menelaos C. Stavrinides, 2019. A predator-prey system: *Phytoseiulus persimilis* (Acari: Phytoseiidae) and *Tetranychus urticae* (Acari: Tetranychidae): worldwide occurrence datasets. *Acarologia*, 59 (3) pp 301-307.
- Litskas, V.D., Karamanlis, X.N., Prousali, S.P. and Koveos, D.S., 2019. The xenobiotic doxycycline affects nitrogen transformations in soil and impacts earthworms and cultivated plants. *Journal of Environmental Science and Health, Part A*. <https://doi.org/10.1080/10934529.2019.1655368>
- Litskas V., Chrysargyris A., Stavrinides M., Tzortzakis N., 2019. Water-energy-food nexus: A case study on

medicinal and aromatic plants. *Journal of Cleaner Production*  
<https://doi.org/10.1016/j.jclepro.2019.06.065>

- Chrysargyris, A., Xylia, P., Litskas, V., Mandoulaki, A., Antoniou, D., Boyias, T., Stavriniades, M., Tzortzakakis, N., 2018. Drought stress and soil management practices in grapevines in Cyprus under the threat of climate change. *Journal of water and climate change*. <https://doi.org/10.2166/wcc.2018.135>
- Litskas, V.D., Karamanlis, X.N., Prousalis, S.P. and Koveos, D.S., 2018. Effects of the Antibiotic Amoxicillin on Key Species of the Terrestrial Environment. *Bulletin of environmental contamination and toxicology*, 100(4), pp. 509-515.
- Litskas, V.D., Irakleous, T., Tzortzakakis, N. and Stavriniades, M.C., 2017. Determining the carbon footprint of indigenous and introduced grape varieties through Life Cycle Assessment using the island of Cyprus as a case study. *Journal of Cleaner Production*, 156, pp. 418-425.**
- Parpounas, A., Litskas, V., Hapeshi, E., Michael, C. and Fatta-Kassinos, D., 2017. Assessing the presence of enrofloxacin and ciprofloxacin in piggery wastewater and their adsorption behaviour onto solid materials, with a newly developed chromatographic method. *Environmental Science and Pollution Research*, 24(29), pp. 23371-23381.
- Chrysargyris, A., Laoutari, S., Litskas, V.D., Stavriniades, M.C. and Tzortzakakis, N., 2016. Effects of water stress on lavender and sage biomass production, essential oil composition and biocidal properties against *Tetranychus urticae* (Koch). *Scientia Horticulturae*, 213, pp. 96-103.
- Litskas, D.V., Batzias C.G., Paraskevas, G.Ch., Pavlatou-Ve, A., Karamanlis, N.X., 2016. Mobility of pharmaceutical compounds in the terrestrial environment: Adsorption kinetics of the macrocyclic lactone eprinomectin in soils. *Chemosphere*, 144, pp. 1201-1206.
- Litskas, V.D., Aschonitis, V.G., Lekakis, E.H. and Antonopoulos, V.Z., 2014. Effects of land use and irrigation practices on Ca, Mg, K, Na loads in rice-based agricultural systems. *Agricultural Water Management*, 132, pp. 30-36.
- Aschonitis, V.G., Antonopoulos, V.Z., Lekakis, E.H., Litskas, V.D., Kotsopoulos, S.A. and Karamouzis, D.N., 2013. Estimation of field capacity for aggregated soils using changes of the water retention curve under the effects of compaction. *European Journal of Soil Science*, 64(5), pp. 688-698.
- Litskas, V.D., Karamanlis, X.N., Batzias, G.C. and Tsiouris, S.E., 2013. Are the parasiticidal avermectins resistant to dissipation in the environment? The case of eprinomectin. *Environment international*, 60, pp. 48-55.
- Litskas, V.D., Karaolis, C.S., Menexes, G.C., Mamolos, A.P., Koutsos, T.M. and Kalburtji, K.L., 2013. Variation of energy flow and greenhouse gas emissions in vineyards located in Natura 2000 sites. *Ecological Indicators*, 27, pp. 1-7.**
- Litskas, V.D., Dosis, I.G., Karamanlis, X.N. and Kamarianos, A.P., 2012. Occurrence of priority organic pollutants in Strymon river catchment, Greece: Inland, transitional, and coastal waters. *Environmental Science and Pollution Research*, 19(8), pp. 3556-3567.
- Litskas, V.D., Mamolos, A.P., Kalburtji, K.L., Tsatsarelis, C.A. and Kiose-Kampasakali, E., 2011. Energy flow and**

**greenhouse gas emissions in organic and conventional sweet cherry orchards located in or close to Natura 2000 sites. *Biomass and Bioenergy*, 35(3), pp. 1302-1310.**

Litskas, V.D., Karamanlis, X.N., Batzias, G.C. and Kamarianos, A.P., 2011. Sorption of the antiparasitic drug eprinomectin in three soils. *Chemosphere*, 82(2), pp. 193-198.

Litskas, V.D., Aschonitis, V.G. and Antonopoulos, V.Z., 2010. Water quality in irrigation and drainage networks of Thessaloniki plain in Greece related to land use, water management, and agroecosystem protection. *Environmental monitoring and assessment*, 163(1-4), pp. 347-359.

Litskas, V.D., Batzias, G.C., Karamanlis, X.N. and Kamarianos, A.P., 2010. Analytical procedure for the determination of eprinomectin in soil and cattle faeces. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, 878(19), pp. 1537-1542.

## **A2. COMMUNICATIONS IN SCIENTIFIC CONFERENCES (PEER REVIEW)**

**Litskas V., Mandoulaki A., Vogiatzakis I., Tzortzakis N. and Stavrinides M. 2020. The environmental footprint as a tool towards sustainable viticulture and winemaking in Mediterranean islands. OpenEARTH conference, Thessaloniki 12-14 February.**

Vogiatzakis I.N., Zotos S., Litskas V., Manolaki P., Sarris D., Stavrinides M., 2019. Mapping and Assessing Ecosystem Services in Cyprus. 10<sup>th</sup> IALE World Congress, July 1-5, Milan, Italy.

Vogiatzakis I.N., Zotos S., Zomeni M., Litskas V., Leontiou S., 2019. Assessing the extent of wildlife vehicle collisions (WVCs) on Cyprus road network. 10<sup>th</sup> IALE World Congress, July 1-5, Milan, Italy.

Chrysargyris A, Litskas VD, Stavrinides MC, Tzortzakis N, 2019. Drought and salinity stress due to Climate Change alter the physiology and biochemistry of Medicinal and Aromatic plants. The Second Balkans - China Mini-symposium on Natural Products and Drug Discovery, 11-13 April 20019, Belgrade, Serbia.

Litskas, V., Migeon A., Navajas, M., Tixier, M.S., Stavrinides, M.C., 2019. Global climate change effects on tomato, a key pest and its natural enemy. Climatico Conference. Limassol, Cyprus. 11, 12 April.

**Mazis, A., Litskas, V., Menexes, G., Kalburtji, K., Platis, D.P. and Mamolos, A.P., 2019.. Energy balance and greenhouse gas emissions in kiwi and citrus farms in Greece. Climatico Conference. Limassol, Cyprus. 11, 12 April.**

**Litskas, V., Chrysargyris, A., Tzortzakis, N. and Stavrinides, M., 2019. Carbon footprint mitigation in Mediterranean agriculture: Case studies from vines and aromatic plant farms in Cyprus. Climatico Conference. Limassol, Cyprus. 11, 12 April.**

Litskas, V., Migeon A., Navajas, M., Tixier, M.S., Stavrinides, M., 2019. Climate change impacts negatively biological control of a global pest by two key natural enemies: small-scale farming at higher risk. 3rd Agriculture and Climate Change Conference. Budapest, Hungary, March.

**Litskas D. Vassilis, Irakleous Theodoros, Nikolaos Tzortzakis and Stavrinides C. Menelaos (2017). Indigenous varieties and carbon sequestration for “zero emissions” grapes? Ampelos 2017 – 4<sup>th</sup> International**

**Symposium Mediterranean vineyards and Climate Change. 12-14 May, Santorini, Greece.**

Vassilis Litskas, Alain Migeon, Maria Navajas, Marie-Stéphane Tixier and Menelaos C. Stavriniades (2016). Climate change alters biogeography of spider mites and their natural enemies: consequences for biological control and food production. 8th Symposium of the EUROpean Association of ACarologists, 11-15 July Valencia, Spain.

Antonios Chrysargyris, Sotiroula Laoutari, Vassilis D. Litskas, Menelaos C. Stavriniades and Nikolaos Tzortzakis (2016). Effects of plant water stress on lavender and Greek sage essential oil quality and biocidal properties against *Tetranychus urticae*. 8th Symposium of the EUROpean Association of ACarologists, 11-15 July Valencia, Spain.

Litskas V.D., Paraskevas C.G., Karamanlis X.N., Batzias G.C. (2015). Mobility of the antiparasitic drug eprinomectin in soil columns. Proceedings of the 9th national EGME conference, pp. 631-635, Thessaloniki 8-9 October.  
[http://egme.gr/EGME\\_PRAKTIKA/PDFS/9\\_conference/EGME%209o%20proceedings.pdf](http://egme.gr/EGME_PRAKTIKA/PDFS/9_conference/EGME%209o%20proceedings.pdf)

Sotiroula Laoutari, Antonios Chrysargyris, Vassilis Litskas, Menelaos Stavriniades and Nikolaos Tzortzakis. Effects of plant water stress on toxicity of essential oils to *Tetranychus urticae*. IOBC Fifth Meeting of the IOBC-WPRS Working Group "Integrated Control of Mite Pests", Castelló de la Plana, Spain.

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Alamanou M., Pavlatou-Ve A., Aschonitis V., Litskas V., Antonopoulos V. (2007). Variation of microbial activity in a paddy field during cultivation. Proceedings of the 5th national EGME conference, Larisa, Thessaly pp. 527 – 534 (in Greek, English Abstract).

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Antonopoulos V.Z., Aschonitis V.G., Litskas V.D. (2007). Water balance in rice fields using the model GLEAMS. 6th EEDYP conference, Chania, Crete, pp. 325 - 334 (in Greek, English Abstract).

<http://www.waterinfo.gr/eedyp/conferences.html>

### **A3. PARTICIPATION IN SCIENTIFIC PROJECTS AS RESEARCHER / PROJECT MANAGER**

**EcoWinery: Eco-innovation for the production of low environmental footprint wine. Restart 2016-2020; Excellence hubs (EXCELLENCE/1216/0279) (04/2019-10/2021).**

<https://sustagric.weebly.com/ecowinery.html> (project manager)

EnVeROS: EnVironmental education through Roadkill Observation Systems. ERASMUS+ KA02 project (10/2018-9/2020). <http://www.enveros.eu/> (project manager)

WaSec: Innovations in Water Education Programs: Enhancing Water Security and Socio-economic Development in the Eastern Mediterranean under Climate Change. ERASMUS+ KA02 (11/2018-10/2021).

AGROLABS: "AgroFood Innovation Clusters". Co-financed by Transnational Cooperation Programme Interreg Balkan – Mediterranean 2014 – 2020 - <http://www.interreg-balkanmed.eu/approved-project/31/>

GENOMITE Project: New generation sustainable tools to control emerging mite pests under climate change [KOINA/ΠΚΠ-FACCE/1013/10 / GENOMITE]

[http://www.accaf.inra.fr/en/Actions-and-Projects/adaptation\\_animal\\_plant\\_health/GenoMite](http://www.accaf.inra.fr/en/Actions-and-Projects/adaptation_animal_plant_health/GenoMite)

Services for the application of the EU water framework directive for the monitoring of water quality in surface water in the Strymon river basin. <http://appliedsoilab.web.auth.gr/index.php/el-GR/2013-06-06-06-12-32/projects> Auth research committee, project code: 82424.

Initial study for the establishment of stock raising zones in the Nevrokopi region, Drama. Auth research committee, project code: 84154.

Impact of the antibiotics amoxicillin and doxycycline in non-target species. Auth research committee, project codes: 87038-9 (2 different projects).

Nitrogen and water management in rice fields for water saving and protection of the aquatic environment. Auth research committee, project code: 80862.

Supplementary research for the sustainable use of the water resources of Chalkidiki – Olynthos dam. Auth research committee, project code: 82903.

Environmental impact evaluation of the common agricultural policy measures in the European cotton production section – the case of Greece. Consultant at Leonidas Nicolaou and Associates (subcontractor for Oreade-Breche, France).

### **A4. WRITING AND SUBMISSION OF RESEARCH PROPOSALS**

Working as Research Fellow, I actively participated in writing, consortium management and submission of the following research proposals that were submitted under the name of Dr. Menelaos Stavrinos, as well as Dr. Ioannis Vogiatzakis who were the Scientific Coordinators.

LIFEforROADS: Improving monitoring and management of Wildlife Vehicle Collisions to enhance biodiversity conservation in Cyprus (LIFE18 GIE/CY/000721). Life Governance and Information projects (OUC budget €470,600). Not funded.

MITEMED: Pest invasion/expansion risk under climate change and innovative integrated strategies for mite management in tomato and strawberry around the Mediterranean basin. PRIMA in the Mediterranean Area: Sustainable farming systems under Mediterranean environmental constraints. (CUT budget €90,000 – Not funded).

**ECO-WINERY: Eco-innovation for the production of low environmental footprint wine. Cyprus Research Promotion Foundation RESTART EXCELLENCE CALLS. FY 2018-2021. (€252,961 – selected for funding).**

**PLANTS SAFE: Herbal essential oils: Potential for development as low-risk pesticides, plant growth promoters and produce sanitizers. Cyprus Research Promotion Foundation RESTART ENTERPRISES CALLS. (€156,000 534 – selected for funding).**

VITIS-RESTART. Eco-innovation for the Cypriot wine sector to address major challenges and offer viable solutions for production and profitability. 2018. Cyprus Research Promotion Foundation RESTART INTEGRATED CALLS. €907,508. Selected for 2nd stage review and ranked third – only first two funded.

**PEF-Cy: Eco-innovation for production of low environmental footprint wine to promote eco-friendly and profitable solutions for SME wineries. Cyprus Research Promotion Foundation RESTART POST-DOC CALLS. 2018. €159,967. Co-Coordinator with Dr. Stavrinides. Selected for funding but declined because of overlaps with ECO-WINERY.**

PEST-DOC: Studies on the potential of selected herbal essential oils to be used as low-risk pesticides and plant growth promoters. Cyprus Research Promotion Foundation RESTART POST-DOC CALLS. 2018. €159,569. Not funded.

Implementing the EU Product Environmental Footprint philosophy for resource efficient vine and wine industry. 2017. € 1,581,896. LIFE CLIMATE CHANGE project. Not funded.

Increasing the competitiveness of grape products from Mediterranean islands through technological innovations and development of synergies between agriculture and tourism. 2016. €967,237. Greece-Cyprus EU INTERREG PROGRAM. Not funded.

Insect biodiversity in local biotopes in olive groves of Greece, Albania and Cyprus. 2016. €210,000. Partner. BALKAN MED Program. Not funded.

Carbon emissions mitigation for the vine and wine industry. 2016. €1,403,848. Coordinator. LIFE CLIMATE CHANGE Project. Not funded.

Carbon footprint labelling and climate change mitigation measures for Mediterranean vines and wines. 2015. €1,303,516. Coordinator. LIFE CLIMATE CHANGE Project. Not funded.

