

Menelaos C. Stavrinides

Curriculum Vitae

Assistant Professor
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[Scopus: h-index: 11, citations: 523](#)

[Google Scholar: h-index: 13, citations: 746](#)

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Education

University of California, Berkeley, PhD, 2004 - 2009

Environmental Science, Policy and Management. GPA: 4.00/4.00

Dissertation title: Biology, ecology and management of spider mites (Acari: Tetranychidae) in California vineyards.

PhD Committee Members: Prof. Nicholas J. Mills (Advisor), Prof. Steve Walter, Prof. Wayne Sousa.

Qualifying Exam Subject Areas: Theoretical Biological Control, Trophic Ecology, Molecular Population Genetics, Experimental Design and Statistics.

University of California, Berkeley, MS, 2004 - 2006

Environmental Science, Policy and Management. GPA: 4.00/4.00

Comprehensive Oral Exam Subject Areas: Biological Control of Mites, Resistance to Insecticides and Genetically Modified Crops, Molecular Population Genetics.

Imperial College, London, U.K., MSc, 2000 - 2001

Biological Control. Distinction Award.

Thesis title: The effect of plant morphology, architecture and prey spatial arrangement on predatory interactions. Advisors: Dr. David Skirvin and Prof. Simon R. Leather

Aristotle University of Thessaloniki, Greece, Ptychion (BS & MS), 1995 - 2000

Agriculture, Plant Protection Specialization. GPA: 7.48/10 (top 15% of class)

Thesis title: Effect of mating on the longevity and fecundity of the Mediterranean fruit fly *Ceratitis capitata* (Diptera: Tephritidae). Advisor: Prof. Byron I. Katsoyannos

Aristotle University of Thessaloniki, Greece, Diploma in Sustainable Agriculture, 1998-1999

Highly competitive interdisciplinary training program on Sustainable Agriculture funded by the European Union.

Short Courses Completed

Workshop on the Identification and Biology of Predatory Mites in Agriculture, University of California Cooperative Extension Office, Bakersfield, CA, July 2007.

Introductory and Agricultural Acarology, The Ohio State University, June - July 2005.

Analysis, Design, and Management of Organic Farming Systems, International Agricultural Center, Wageningen, The Netherlands, June 2003.

Irrigation-Fertigation, Agricultural Research Institute, Nicosia, Cyprus, May 2003.

Scholarships and Awards

Scholarships

- Robert and Peggy van den Bosch Memorial Scholarship in Biological Control. 2008. \$10,000
- Fulbright Commission Scholarship for MS studies (Cyprus – America Scholarship Program). 2003. \$50,000

Awards

- Robert J. O’Neil Award for Outstanding PhD Student in Biological Control. International Organization for Biological Control – Nearctic Regional Section. 2009. (awarded to one student in the US and Canada)
- Outstanding Graduate Student Instructor Award for Biology 1B (Fall 2008). UC Berkeley. 2009. (awarded to 10% of UC Berkeley Graduate Student Instructors)
- Robert and Peggy van den Bosch Memorial Travel Award in Biological Control. 2009, 2008, 2006.
- Powers S. Messenger Memorial Award. UC Berkeley. 2008, 2006.
- Dept. of Environmental Science, Policy, and Management Travel Award. 2008.
- Graduate Division Travel Grant. UC Berkeley. 2007.
- Johannes Joos Memorial Award. UC Berkeley. 2007.
- The Margaret C. Walker Fund for Teaching and Research in Systematic Entomology Award. UC Berkeley. 2006, 2005.
- Entomology Students Organization Travel Award. UC Berkeley. 2005.
- D.E. Johnston Acarology Award. Ohio State University. 2005.

Research Experience

Assistant Professor, Dept. of Agricultural Sciences, Biotechnology and Food Science, Cyprus University of Technology, November 2010 – now (promoted from Lecturer to Assist. Professor in January 2015)

- Investigating the effects of climate change on agricultural ecosystems with focus on pest-natural enemy interactions.
- Ecotoxicology of plant essential oils and implementation of modern application methods in vineyards
- Agri-environmental research: Pollination ecology, and promotion of agricultural sustainability through CAP measures and the Product Environmental Footprint.

Postdoctoral studies, University of California, Berkeley, May 2009 – May 2010

- Demographic impacts of new generation pesticides and pesticide adjuvants on natural enemies of vine mealybug (Homoptera: Pseudococcidae) and Pacific spider mite (Acari: Tetranychidae) in vineyards. Advisor: Dr. Kent Daane
- Capturing mite diversity in the model tropical ecosystem of Moorea (French Polynesia) using DNA barcoding and traditional systematics. Advisor: Prof. George Roderick

Agricultural Research Officer, Agricultural Research Institute of Cyprus, Aug. 2002 – October 2010 (on study leave between Aug. 2004 to April 2010)

- Research on integrated pest management in vegetable crops and organic farming. Cooperation in international research projects: a) Partner in “Organics” (Platform for Research and Development of Organic Field Vegetable Production in the EU), b) Participation in “Training Mediterranean Farmers in Organic Agriculture” - Leonardo da Vinci Project funded by the EU.
- Responsible for training/management of personnel conducting field/laboratory research.

Research Collaborator and Lab Manager, Aristotle University of Thessaloniki, Greece, Oct. 2001 - June 2002

- Designed, conducted, and analyzed a series of experiments on the mating behavior of the Mediterranean fruit fly *Ceratitidis capitata*. Responsible for running the laboratory of entomology.

Research Grants

1. [LIFE IP PHYSIS](#) – LIFE18 IPE/CY/000006: Managing the Natura 2000 network in Cyprus and shaping a sustainable future. EU LIFE INTEGRATED PROJECTS. 2019-2029. (€139,956 to CUT). Partner.
2. [ECOWINERY](#): Eco-innovation for the production of low environmental footprint wine. Cyprus Research Promotion Foundation RESTART EXCELLENCE CALLS. 2019-2021. (€252,954 total budget, of which €216,646 to CUT). Coordinator.
3. [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. 2018-2020. (€118,545 to CUT). Partner.
4. Estimation of Carbon Footprint for the Makkas Winery. Research Promotion Foundation Coupon in collaboration with the Makkas Winery. 2016-2017. €5,000. Coordinator.
5. [Genomite](#): New generation sustainable tools to control emerging mite pests under climate change. FACCE JPI INITIATIVE on Agriculture Food Security and Climate Change. 2014-2017. (€99,000 to CUT). Partner.
6. [AGROLIFE](#) - LIFE13 BIO/CY/00114: To promote and enable the conservation of High Nature Value Farmlands in Cyprus. EU LIFE + Biodiversity Project. FY 2014-2017. Total € 652,808. EU contribution: €275,309 (107,511 to CUT). Coordinator.
7. Development of 28 Agro-Environmental Indicators for the assessment of the impacts of agriculture on the environment in Cyprus. Ministry of Agriculture, Natural Resources and the Environment. Cyprus. 2013-2014. €25,000. Coordinator.
8. Sustainable pollination in Europe - joint research on bees and other pollinators (SUPER-B). COST ACTION FA1307. 2013-2017.
9. Influence of essential oils on the insect *Lepisma saccharina*. Cyprus Research Promotion Foundation Coupon in collaboration with the N. & G. Pest Control company. 2012-2013. €5,000. Coordinator.
10. Hydroflies: Integrated management of abiotic and biotic parameters in greenhouse lettuce and tomato. Greece-Cyprus INTERREG Project. 2012-2014. €30,000. Partner.
11. LIFE10 NAT/CY/000717. JUNIPERCY: Improving the conservation status of the priority habitat type 9560* (Endemic forests with *Juniperus spp.*) in Cyprus. 2012-2015. €15,000. Subcontractor for the study of insect pests of *Juniperus foetidissima*.
12. Development of environmentally friendly pest control methods for the management of the invasive tomato borer, *Tuta absoluta*. Cyprus University of Technology funded project. 2011-2012. €40,000. Coordinator.

13. Sustainable mite management: effects of regulated deficit irrigation and the overwintering biology of mites in vineyards. American Vineyard Foundation. 2009-2010. \$20,000
14. Spider mites in California vineyards: temperature tolerance, effects of plant water status through leaf temperature, impact of novel pesticides and resistance management. Co-funded by the American Vineyard Foundation, the Viticulture Consortium West and the Raisin Marketing Board. 2006-2009. \$78,000
15. Spider mite outbreaks in vineyards: Compatibility of novel pesticides with biological control and resistance management. University of California Agriculture and Natural Resources Core Issue Grants Program. 2007-2009. \$65,332
16. Spider mites in California vineyards: temperature tolerance, impact of pesticides and resistance management. University of California IPM Grants Program. 2006-2007. \$15,000
(Grants submitted to US funding agencies on spider mite management in vineyards were written by me, but submitted under the name of my PhD advisor, Nicholas J. Mills)

Proposals not funded.

- DIVTOMITES: Management of agrosystem biodiversity for controlling mite pests in Mediterranean tomato crops. 2019. €149,987. Partner. PRIMA IN THE MEDITERRANEAN AREA 2019 CALLS.
- Pest invasion/expansion risk under climate change and innovative integrated strategies for mite management in tomato and strawberry around the Mediterranean basin. 2018. €90,000. Partner. PRIMA IN THE MEDITERRANEAN AREA 2018 CALLS.
- 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. Coordinator. Selected for 2nd stage review and ranked third – only top 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 (eligible for funding but we declined because of overlaps with ECOWINERY).
- 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. €159,967. Partner.
- Implementing the EU Product Environmental Footprint philosophy for resource efficient vine and wine industry. LIFE+ CLIMATE CHANGE. 2017. € 1,581,896. Coordinator.

- Increasing the competitiveness of grape products from Mediterranean islands through technological innovations and development of synergies between agriculture and tourism. 2016. €967,237. Coordinator. Greece-Cyprus EU INTERREG PROGRAM.
- Carbon emissions mitigation for the vine and wine industry. LIFE+ CLIMATE CHANGE. 2016. €1,403,848. Coordinator.
- Insect biodiversity in local biotopes in olive groves of Greece, Albania and Cyprus. 2016. €210,000. Partner. BALKAN MED Program.
- Carbon footprint labelling and climate change mitigation measures for Mediterranean vines and wines. 2015. €1,303,516. Coordinator. LIFE CLIMATE CHANGE Project.
- Development and Implementation Of a Master Plan for Biodiversity Conservation in the Green Line using Geoinformatics. Member of CUT Team. €15,000. LIFE NATURE AND BIODIVERSITY project.
- Developing a national Ecosystem Services Assessment for Cyprus. LIFE14 ENV project. 2014. Partner. €100,000. LIFE ENVIRONMENT AND RESOURCE EFFICIENCY Project.
- CC-Smart-Farmers: Adaptation Strategies and Innovation Needs of Climate Smart Farmers. FACCE JPI INITIATIVE on Agriculture Food Security and Climate Change. 2014. €66,000. Member of CUT Partner Team.
- MIGoBS: Multi-level Innovative Governance for Biodiversity and food-Supply. BiodivERsA FACCE JPI INITIATIVE. 2014. €30,000. Partner.
- Augmenting ecosystem services in Mediterranean tomato crops. SYNGENTA CROP PROTECTION – OPERATION POLLINATOR. 2014. € 36,456. Coordinator. Submitted in 2013 but not funded due to funding limitations.
- Effects of climate warming on the biology of a univoltine fly. Cyprus – Romania bilateral co-operation programme, Cyprus Research Promotion Foundation. 2013. €25,000. Coordinator. Ranked as eligible for funding but not funded due to unavailability of funds.
- LIFE13 ENV/CY/000841. Life CyCLE. Building a sustainable composting culture in Cyprus – LIFE Compost Culture. 2013. €5,000. Member of CUT Partner Team.
- COST ACTION. Integrative analysis of the interactions between lepidopteran pests and their parasitic wasps: prospective for a sustainable crop protection in the context of global changes. 2013. Partner.
- Sustainable training of pesticide professionals. LEONARDO DA VINCE LIFE LONG LEARNING PROGRAMME. 2013. €376,000. Member of CUT Partner Team.
- LIFE12 ENV/GR/000983. EcoUrban Life. Integrated Pest Management in Urban Green. 2012. €171,390. Partner.
- Demonstration and interpretation of the natural environment of the East Mediterranean through natural history collections and exhibitions. Greece-Cyprus INTERREG Project. 2012. €150,000. Partner. Ranked as eligible for funding but not funded due to unavailability of funds.

- Developing sustainable control strategies for the invasive key pest of tomato, *Tuta absoluta*, in Mediterranean countries aiming to reduce toxic chemical inputs. ARIMNET project. 2011. Partner with own funds as CUT was not eligible for funding through ARIMNET.
- Genomic and biological approaches for the sustainable management of the invasive tomato borer *Tuta absoluta*. Cyprus Research Promotion Foundation. 2011. €149,360. Coordinator. Ranked as eligible for funding but not funded due to unavailability of funds.

Scientific Service and Memberships

Editorial Boards and Reviews

- Associate Editor *Phytoparasitica Journal*. *Acarology and Ecotoxicology*. 2013 – now.
- Editorial board: *Agroecology and Land Use Systems*, a specialty of *Frontiers in Ecology and Evolution*, *Environmental Science and Plant Science*. 2017 – now.
- Reviewer of over 60 papers for: *Frontiers in Ecology and Evolution*, *PLOS One*, *Chemosphere*, *Crop Protection*, *Ecotoxicology*, *Environmental Entomology*, *International Journal of Acarology*, *Journal of Economic Entomology*, *Journal of Pest Science*, *Toxins*, *Experimental and Applied Acarology*, *Phytoparasitica*, *Acarologia*, *Agricultural and Forest Entomology*, *Hawaiian Entomologist*.

Cyprus Representation / Committee Membership / External Expert

- Representative of Cyprus to the Horizon 2020 Program Committee for Societal Challenge 5 “Climate action, environment, resource efficiency and raw materials”. 2017-now.
- Representative of Cyprus to European Platform for Biodiversity Research and Strategy. 2016-2017.
- External Expert to the European Safety Authority for three Scientific Opinions on Risk Assessment for three mite species of quarantine importance: *Eutetranychus orientalis*, *Eotetranychus lewisi* and *Aculops fuchsiae*. 2013-2014. See Other Publications.
- Member of the Coordinating Committee of the National Network for Agricultural Development of Cyprus. 2011 – 2016.
- Appointed by the Ministerial Council of Cyprus as Member of the Council of Agricultural Research and Development of Cyprus. 2013-2016.

Organization of Scientific Meetings / Symposia / Workshops

1. Member of the Scientific Committee of the European Conference: “Mountain areas of large Mediterranean islands: European issues, National and Regional policies and local mechanisms”. Troodos, Cyprus. January 2020.

- Member of the Scientific Committee of the International Conference: Climate Change in the Mediterranean: Agriculture, Food and Health Impacts and Challenges. April 11-12, 2019. Limassol, Cyprus.
- Co-organizer of Special Session on “Climate change and bioinvasions as interconnected challenges” (Maria Navajas, Denise Navia, Menelaos Stavrinides). 8th Symposium of the European Association of Acarologists. July 11-15, 2016, Valencia, Spain.
- High Nature Value farmlands (HNVf): Science, Policy and Agro-tourism. International Workshop organized in the framework of AgroLIFE Project (LIFE 13 BIO/CY/001114). Limassol, Cyprus. March 1-3, 2017.
- Local organizer, The European Bee Course 2017 – part of the SUPER-B (Sustainable Pollination in Europe COST ACTION FA1307). March 6-10, 2017.
- Member of the Scientific Committee of the VII Congress on Plant Protection , co-organized by the International Organization for Biological Control and the Serbia Plant Protection Organization. Zlatibor, Serbia. November 2014.
- Local Organizer, Integrated Control of Plant Feeding Mites Workgroup Meeting – International Organization for Biological Control West Palearctic Regional Section. Paphos, Cyprus. September, 2013.

Society Memberships

- Member of the Entomological Society of America, Acarological Society of America, International Organization for Biological Control West Palearctic Regional Section (WPRS), and Hellenic Entomological Society.

Academic Service

- Member of the Agricultural Farm Committee of the Dept. of Agricultural Sciences, Biotechnology and Food Science. 2018- now.
- Member of University Quality Assurance Committee. Cyprus University of Technology. 2016-now.
- Chair of Departmental Quality Assurance Committee. Dept. of Agricultural Sciences, Biotechnology and Food Science. 2016-now.
- Member of the Ad-hoc Committee on Revision of the Curriculum of the Dept. of Agricultural Sciences, Biotechnology and Food Science. 2017-2019 – Revision concluded.
- Member of Student Disciplinary Committee. Cyprus University of Technology. 2012-now.
- Member of Academic Studies Committee. Department of Agricultural Sciences, Biotechnology and Food Safety. Cyprus University of Technology. 2016 – 2018.
- Chair of Undergraduate Studies Committee. Department of Agricultural Sciences, Biotechnology and Food Safety. Cyprus University of Technology. 2014- 2016.

- Member of Post-Graduate Studies Committee. Department of Agricultural Sciences, Biotechnology and Food Safety. Cyprus University of Technology. 2012 – 2016.
- Coordinator of Academic Awards and Scholarships for Top Students of the Department of Agricultural Sciences, Biotechnology and Food Science. 2011-2016.
- Academic Visits Coordinator. Cyprus University of Technology. 2011-2017.
- Member of Erasmus Educational Exchange Committee. Department of Agricultural Sciences, Biotechnology and Food Safety. Cyprus University of Technology. 2012 – 2014.
- Member of the Ad-hoc Committee that carried out a feasibility study for the establishment of a new Cyprus University of Technology Department on “Energy and Natural Resources”. 2013.
- Member of the Ad-hoc Committee on Revision of the Curriculum of the Dept. of Agricultural Sciences, Biotechnology and Food Science. 2011.
- Member of the Ad-hoc Committee that carried out a feasibility study for the establishment of a new Cyprus University of Technology Department on “Forestry and Natural Resources”. 2011.
- External Member of the qualifying exam committee for the Ph.D. student Michalakis Christoforou. Cyprus University of Technology. 2011.
- External Member of the qualifying exam committee for the CUT Ph.D. student Theodora Kappari Isaia. Cyprus University of Technology. 2011.
- Graduate Admissions Committee, Dept. of Environmental Science, Policy, and Management, UC Berkeley. Student member 2006-2007.
- International Student Affairs Committee, Graduate Assembly, UC Berkeley. Elected Chair 2006-2007, member 2005-2006.
- Graduate Assembly, UC Berkeley. Delegate elected by the Entomology Students Organization 2006-2007.
- Committee on International Education, Academic Senate, UC Berkeley. Student member 2004-2006.

Supervision – Post-doctoral researchers

Post-doctoral researchers:

1. Giorgos Michailides (2019-now): Giorgos is an expert in insecticide resistance and has been helping us on assessing the effects of plant essential oils to key pests and a natural enemy within the framework of the [PLANTSAFE](#) project.
2. Antonis Chrysargyris (2018 – now): With Antonis we have been working on assessing the effects of plant essential oils against key insect and mite pests on vegetable crops, within the framework of the [PLANTSAFE](#) project.
3. Vassilis Litskas (2015-now): With Vassilis we begun working on investigating the effects of climate change on spider mites and predatory mites as part of the FACCE JPI [GENOMITE](#) project. Along the way, we developed a shared interest

- and built up on Vassilis expertise on the determination of the environmental footprint of agricultural products. After many (unsuccessful or nearly but not quite successful proposals) we secured funding for the [ECOWINERY](#) project. We are currently working on estimating the environmental footprint of Cypriot wine.
4. Angeliki Martinou (2011 – 2016): With Angeliki we worked on studies of pesticide effects on mirid predators of the invasive tomato borer, *Tuta absoluta*, on the study of the ecosystem service of biological control in tomato crops, and on the development of agri-environmental indicators for the assessment of the impacts of agriculture on the environment. In addition, we worked on assessing biodiversity in high nature value carob groves and vineyards.
 5. Cleopatra Moraiti (2012 – 2016): With Cleopatra we worked on a study on the ecology and seed damage caused by seed eating insects of the native *Juniperus foetidissima* (Cupressaceae). She also worked on an INTERREG project on assessing pesticide effects on the predator *Macrolophus pygmaeus*.

PhD students

1. Athanasia Mandoulaki (2017-now): Athanasia is working on evaluating the effect of management practices and the surrounding landscape on vineyard biodiversity. She is co-supervised by Assoc. Prof. Ioannis Vogiatzakis of the Open University of Cyprus.
2. Andri Varnava (2015 – now): Andri documents the biodiversity of wild bees of Cyprus and investigates the effects of climate and land use change on bee diversity in Cyprus. She expects to submit her dissertation by the end of the year. She is co-supervised by Prof. Denis Michez of the University of Mons, Belgium.
3. Kostas Michael (2013 – now): Kostas is a part-time PhD student who has a job in crop protection with the Cypriot Department of Agriculture. He is working on the application of modern spray application methods in vineyards and expects to submit his dissertation in the next couple of months. He is co-supervised by Prof. Emilio Gill of the Universitat Politècnica de Catalunya, Spain.

MSc students

Graduation year in parenthesis.

1. Maria Theodorou (current student) The Carbon Footprint of Potato Production.
2. Delia Leone (Erasmus exchange from the University of Catania in Sicily, co-supervised with Assoc. Prof. Lucia Zappalà – Summer 2019). Essential oil effects on the two-spotted spider mite, *Tetranychus urticae*.
3. Rachelle La Spina (Erasmus exchange from the University of Catania in Sicily, co-supervised with Assoc. Prof. Lucia Zappalà – Summer 2019). Essential oil effects on the two-spotted spider mite, *Tetranychus urticae*.

4. Marios Xydas (2018). Landscape effects on the diversity of wild bees on the Akrotiri Peninsula.
5. Chrysos Kaponas (2018). Vine leafhoppers: Biology, damage and molecular identification of common species in Cyprus.
6. Giorgos Lyssandrou (2017). Biological control of the grapeberry moth (*Lobesia botrana*) in Cyprus.
7. Angela Michael (2016). The impact of vineyard abandonment on arthropod biodiversity.
8. Timothea Ioannou (2016): Determination of quality characteristics of honey from Cyprus and investigation of consumer attitudes. (Co-supervised with bee specialist Dr. Alexandros Papachristoforou).
9. Andri Varnava (2014). Wild bee diversity in Cyprus.

Undergraduate students

Graduation year in parenthesis.

1. Dimitris Chatzigiannis (current student) Integrated management of the tomato borer *Tuta absoluta*.
2. Antonis Champalis (current student – co-advised with N. Tzortzakis) The effects of plant essential oils on the two-spotted spider mite, *Tetranychus urticae*.
3. Alkis Protopapas (current student) Promoting the ecosystem services of pollination and biological control in apple orchards.
4. Nikolina Hadjipapa (2019). Essential oil effects on the two-spotted spider mite, *Tetranychus urticae*.
5. Marilena Pittara (2018). An updated checklist of the wild bees of Cyprus.
6. Polyvios Polyviou (2017). Impact of a plant essential oil-based bio-pesticide on the two-spotted spider mite, *Tetranychus urticae*.
7. Maria Theodorou (2017). Application of the pheromone mating disruption technique for the control of the grape berry moth, *Lobesia botrana*, in Commandaria vineyards and evaluation of the presence of natural enemies.
8. Nicoletta Vasileiou (2017). Wild bee diversity in winter in Akrotiri and Tserke-Tsiflik areas of Cyprus
9. Stavroula Louka (2016). Wild bee diversity in high nature value vineyards and carob groves.
10. Demetris Chrysanthou (2016). Assessment of arthropod biodiversity on abandoned and conventional vineyards in the Commandaria region of Cyprus.
11. Irakleous Theodoros (2016). Greenhouse gas emissions from different management practices in Cyprus vineyards.

12. Sotiroula Laoutari. (2015). Effects of essential oils on the two-spotted spider mite, *Tetranychus urticae*.
13. Andreas Louka. (2015). Effects of zeolite on the two-spotted spider mite, *Tetranychus urticae*.
14. Andreas Andreou. (2015). Effects of zeolite on the two-spotted spider mite, *Tetranychus urticae*.
15. Despoina Theodotou. (2015). Leafhoppers (Hemiptera: Cicadellidae): Emerging agricultural pests.
16. Demetriades Demetris. (2015). Assessment of the ecosystem service of biological control in conventional tomato crops.
17. Valanto Vasiliou. (2014). Valanto estimated the agro-environmental indicator of pesticide use for Cyprus.
18. Chara Apostolidou. (2014). Soil biodiversity of arthropods in conventional tomato crops.
19. Ioanna Aggelidou. (2014). Biodiversity of plant-dwelling arthropods in conventional tomato crops.
20. Irini Viktoros. (2013). Influence of pesticide residues on the survival of the insect predator *Nesidiocoris tenuis*.
21. Panagiota Kyriakou. (2013). Effects of two insecticides on the functional response of the insect predators *Macrolophus pygmaeus* and *Nesidiocoris tenuis*.
22. Eustathia Eleftheriou. (2012). Effects of pesticides on the behavior of the insect predator *Macrolophus pygmaeus* on tomato plants.
23. Athanasios Gregoriou. (2011). Impacts of new pesticides on the insect predator *Macrolophus pygmaeus*.

Over the course of PhD and postdoctoral research I supervised 19 undergraduate students working on semester-long research projects. I taught students the identification, biology and ecology of key mite and insect pests and their natural enemies, and trained them in research methods for entomology / biology including DNA extraction, Polymerase Chain Reaction (PCR) and gel electrophoresis. Additionally, I familiarized the students with basic concepts of experimental design and data analysis and presentation. I also co-supervised three undergraduate research theses.

Languages

Greek: Native Language

English: Excellent (TOEFL CBT: 287/300)

French: Very Good (DELTA A1-4)

Publications in International Peer-Reviewed Journals**Published papers****2020**

- P1 Litskas, V., Mandoulaki, A., Vogiatzakis, I.N., Tzortzakis, N., & **Stavrinides, M.** Sustainable viticulture: first determination of the Environmental Footprint of grapes. Sustainability, Accepted, October 2020.
- P2 Chrysargyris, A., Charalambous, S., Xylia, P., Litskas, V., **Stavrinides, M.**, & Tzortzakis, N. (2020). Assessing the biostimulant effects of a novel plant-based formulation on tomato crop. Sustainability, 12, 8432. <https://doi.org/10.3390/su12208432>
- P3 Michael, C., Gil, E., Gallart, M., Kanetis, L., & **Stavrinides, M.C.** (2020). Evaluating the effectiveness of low volume spray application using air-assisted knapsack sprayers in wine vineyards. International Journal of Pest Management, 1–10. <https://doi.org/10.1080/09670874.2020.1807652>
- P4 Grafton-Cardwell, E. E., Bentley, W., Bianchi, M., Cave, F. E., Elkins, R., Godfrey, L., Gu, P., Haviland, D., Headrick, D., Hoddle, M., McMurtry, J., Murrietta, M., Mills, N., Ouyang, Y., Pickel, C., Rill, S., **Stavrinides, M.C.**, & Varela, L. G. (2020). Surveys of 12 California crops for phytoseiid predatory mites show changes compared to earlier studies. California Agriculture, 2–10. <https://doi.org/10.3733/ca.2020a0010>
- P5 Compton, S. G., Newton, H., **Stavrinides, M.**, & Kaponas, C. 2020. First confirmed records of fig wasps (Hymenoptera : Chalcidoidea) associated with the Sycamore Fig *Ficus sycomorus* on a Mediterranean Island. Entomologist's Gazette, 71, 121–124. <https://doi.org/10.31184/G00138894.712.1735> (Note)
- P6 Chrysargyris, A., Xylia, P., Litskas, V., **Stavrinides, M.**, Heyman, L., Demeestere, K., Höfte, M., & Tzortzakis, N. 2020. Assessing the impact of drought stress and soil cultivation in Chardonnay and Xynisteri grape cultivars. Agronomy, 10, 670. <https://doi.org/10.3390/agronomy10050670>
- P7 Litskas, V.D., Tzortzakis, N., & Stavrinides, M.C. (2020). Determining the carbon footprint and emission hotspots for the wine produced in Cyprus. Atmosphere, 11, 463. <https://doi.org/10.3390/ATMOS11050463>
- P8 Varnava, A. I., Roberts, S. P. M., Michez, D., Ascher, J. S., Petanidou, T., Dimitriou, S., Devalez, J., Pittara, M., & **Stavrinides, M.C.** 2020. The wild bees (Hymenoptera, Apoidea) of the island of Cyprus. ZooKeys, 924, 1–114. <https://doi.org/10.3897/zookeys.924.38328>
- P9 Cole, L.J.,...,**Stavrinides, M.C.**, et al. 2020. A critical analysis of the potential for EU Common Agricultural Policy measures to support wild pollinators on farmland. Journal of Applied Ecology. 00, 1-14. <https://doi.org/10.1111/1365-2664.13572>

P10 Vogiatzakis, I., Zotos, S., Litskas, V.D., Manolaki, P., Sarris, D., **Stavrinides, M.** 2020. Towards implementing Mapping and Assessment of Ecosystem Services in Cyprus: A first set of indicators for ecosystem management. *One Ecosystem*. 5: e47715. <https://doi.org/10.3897/oneeco.5.e47715>

P11 Compton, S., **Stavrinides, M.**, Kaponas, C., Thomas, P. 2020. No escape: most insect colonizers of an introduced fig tree in Cyprus come from the plant's native range. *Biological Invasions*. 22, 211-216 (Invasion Note). <https://doi.org/10.1007/s10530-019-02132-4>

2019

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P13 Litskas, V.D., Migeon, A., Navajas, M., Tixier, M.-S., **Stavrinides, M.C.** 2019. Impacts of climate change on tomato, a notorious pest and its natural enemy: small scale agriculture at higher risk. *Environmental Research Letters*, 14, 084041. <https://doi.org/10.1088/1748-9326/ab3313>

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P15 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* 233, 1334-1343. <https://doi.org/10.1016/j.jclepro.2019.06.065>

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P17 Chrysargyris, A., **Stavrinides, M.**, Moustakas, K., Tzortzakis, N. 2019. Utilization of paper waste as growing media for potted ornamental plants. *Clean Technologies and Environmental Policy*, 21, 1937-1948. <https://doi.org/10.1007/s10098-018-1647-7>

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P18 Zomeni, M., Martinou, A., **Stavrinides, M.C.**, Vogiatzakis, I.N. 2018. High Nature Value Farmlands: issues in identification and interpretation using Cyprus as a case study. *Nature Conservation*, 31, 53-70. <https://doi.org/10.3897/natureconservation.31.28397>

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2016

P22 Chrysargyris, A., Laoutari, S., Litskas, V.D., **Stavrinides, M.C.**, Tzortzakis, 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, 96–103. <https://doi.org/10.1016/j.scienta.2016.10.024>

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P23 Martinou, A.F., **Stavrinides, M.C.** 2015. Effects of sublethal concentrations of insecticides on the functional response of two mirid generalist predators. *PLoS ONE*, 10(12): e0144413, <https://doi.org/10.1371/journal.pone.0144413>

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P25 Scranton, K., **Stavrinides, M.**, Mills, N.J., de Valpine, P. 2013. Small-Scale Intraspecific life history variation in herbivorous spider mites (*Tetranychus pacificus*) is associated with host plant cultivar. *PLoS ONE* 8.

P26 Zappalà, L., Biondi, A., Alma, A., Al-Jboory, I.J., Arnò, J., Bayram, A., Chailleux, A., El-Arnaouty, A., Gerling, D., Guenaoui, Y., Shaltiel-Harpaz, L., Siscaro, G., **Stavrinides, M.**, Tavella, L., Vercher Aznar, R., Urbaneja, A., Desneux, N., 2013. Natural enemies of the South American moth, *Tuta absoluta*, in Europe, North Africa and Middle East, and their potential use in pest control strategies. *Journal of Pest Science* 86, 635–647.

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P27 **Stavrinides, M.C.**, Mills, N.J., 2011. Influence of temperature on the reproductive and demographic parameters of two spider mite pests of vineyards and their natural predator. *BioControl* 56, 315–325.

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P30 **Stavrinides, M.C.**, van Nieuwenhuyse, P., van Leeuwen, T., Mills, N.J., 2010. Development of acaricide resistance in Pacific spider mite (*Tetranychus pacificus*) from California vineyards. *Experimental and Applied Acarology* 50, 243–254.

P31 **Stavrinides, M.C.**, 2010. The effects of timing and rate of release on population growth of *Phytoseiulus persimilis* reared on *Tetranychus urticae*. *Phytoparasitica* 38, 349–354.

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P32 **Stavrinides, M.C.**, Hadjistyli, M., 2009. Two-spotted spider mite in Cyprus: Ineffective acaricides, causes and considerations. *Journal of Pest Science* 82, 123–128.

P33 **Stavrinides, M.C.**, Mills, N.J., 2009. Demographic effects of pesticides on biological control of Pacific spider mite (*Tetranychus pacificus*) by the western predatory mite (*Galendromus occidentalis*). *Biological Control* 48, 267–273.

2005

P34 Kraaijeveld, K., Katsoyannos, B.I., **Stavrinides, M.**, Kouloussis, N.A., Chapman, T., 2005. Remating in wild females of the Mediterranean fruit fly, *Ceratitis capitata*. *Animal Behaviour* 69, 771–776.

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P35 **Stavrinides, M.C.**, Skirvin, D.J., 2003. The effect of chrysanthemum leaf trichome density and prey spatial distribution on predation of *Tetranychus urticae* (Acari: Tetranychidae) by *Phytoseiulus persimilis* (Acari: Phytoseiidae). *Bulletin of Entomological Research* 93, 343–350.

Book Chapters

BC1 Litskas, V.D, Platis, D.P., Anagnostopoulos C., Tsaoulas A., Menexes, G.C., Kalburtji, K.L., **Stavrinides, M.C.** and Mamolos, A.P., 2019. 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). Elsevier, In Press.

BC2 Edwards, M., Varnava, A., Stavrinides, M., Eddie, J., 2016. Chapter 17: Hymenoptera (pp. 411-441). In: Sparrow, J.D. & John, E. (Eds), An Introduction to the Wildlife of Cyprus. 870 pp.

Other Publications

European Food Safety Authority Journal

BC3 Scientific Opinion on the pest categorization of *Aculops fuchsiae*. EFSA Journal 2014; 12(10): 3853, 29 pp. Prepared by the Expert Panel Maria Navajas, Enrico de Lillo, Josep Anton Jacas Miret and **Menelaos Stavrinides** with the assistance of EFSA staff member Sybren Vos.

BC4 Scientific Opinion on the risk to plant health posed by *Eutetranychus orientalis* Klein in the EU territory, with the identification and evaluation of risk reduction options. EFSA Journal 2013;11(7):3317, 81 pp. Prepared by the Expert Panel Jean-Claude Gregoire, Josep Anton Jacas Miret, Olya Evtimova Karadjova, Maria Navajas and **Menelaos Stavrinides** along with EFSA staff Sara Tramontini.

BC5 Scientific Opinion on the pest categorization of *Eotetranychus lewisi*. EFSA Journal 2014; 12(7): 3776, 35 pp. Prepared by the Expert Panel Maria Navajas and **Menelaos Stavrinides** with the assistance of EFSA staff member Sybren Vos.

Theses

1. Stavrinides, M.C., 2009. Biology, ecology and management of spider mites (Acari: Tetranychidae) in California vineyards. Ph.D. Dissertation, University of California, Berkeley.
2. Stavrinides, M.C., 2001. The effect of plant morphology, architecture and prey spatial arrangement on predatory interactions. MSc Dissertation, Imperial College, London, UK.
3. Stavrinides, M.C., 2000. Effect of mating on the longevity and fecundity of the Mediterranean fruit fly *Ceratitis capitata* (Diptera: Tephritidae). Undergraduate Thesis. Aristotle University of Thessaloniki, Greece.

Extension Publications

1. **Stavrinides, M.C.**, Mandoulaki, A., Lyssandrou, G., et al. 2017. A short guide to the application of pheromone mating disruption in vineyards. 20 pp. (In Greek). Available at www.agrolife.eu.
2. **Stavrinides, M.C.**, Mandoulaki, A., Zotos, S., et al. 2017. A short guide to the application of metal shields around carob trees for control of the black rat. 14 pp. (In Greek). Available at www.agrolife.eu.
3. **Stavrinides, M.C.**, Mandoulaki, A., Kanetis, L., et al. 2016. A manual for sustainable practices in vineyards. 93 pp.(In Greek). Available at www.agrolife.eu.
4. **Stavrinides, M.C.**, Mandoulaki, A., Litskas, V., et al. 2016. A manual for sustainable practices in carob groves. 72 pp. (In Greek). Available at www.agrolife.eu.
5. **Stavrinides, M.C.** 2009. Minimizing mite outbreaks in vineyards: the effects of pesticide disruption, miticide resistance and water stress. 57th Annual Lodi Grape Day Proceedings, p. 12-13.
6. **Stavrinides, M.C.**, Daane, K.M., Mills, N.J. 2008. New developments in sustainable mite management in vineyards. Fourth Annual Monterey Sustainable Agriculture Expo Proceedings, p. 32.
7. **Stavrinides, M.C.**, Mills, N.J. 2008. Managing Pacific spider mite resistance in vineyards. American Vineyard, Sept. Issue, p. 12-14. (American Vineyard republished the article that first appeared in “Vine Lines” Extension Newsletter in August 2008)
8. **Stavrinides, M.C.**, Mills, N.J.. 2008. Managing Pacific spider mite resistance in vineyards. Vine Lines, Aug. Issue, p. 1 & 8-9. (Extension Newsletter, University of California Cooperative Extension, Fresno County. Editor: Stephen J. Vasquez)
9. **Stavrinides, M.C.** 2006. Biological control of two-spotted spider mite in greenhouses using predatory mites. Agrotis, Oct.-Dec. Issue, pp. 50-51. (in Greek)

Conference Presentations (with abstracts in the proceedings)

- CP1 Litskas V., Mandoulaki A., Vogiatzakis I., Tzortzakis N., **Stavrinides M.** The environmental footprint as a tool towards sustainable viticulture and winemaking in Mediterranean islands. OpenEARTH conference, Thessaloniki 12-14 February, 2020.
- CP2 Varnava, A.I., Roberts, S.P.M., Michez, D., Ascher, J., Petanidou, T., Demetriou, S., Devalez, J., Pittara, M., **Stavrinides, M.** The wild bees (Hymenoptera: Apoidea) of Cyprus. 18th Congress of the Hellenic Entomological Society. Komotini, Greece. October, 2019. [In Greek]
- CP3 Varnava, A.I., Manganaris, G., **Stavrinides, M.** Assessment of the contribution of bees and other insects to carob pollination in Cyprus. 18th Congress of the Hellenic Entomological Society. Komotini, Greece. October, 2019. (Poster) [In Greek]
- CP4 Vogiatzakis, I.N., Zotos, S., Litskas, V., Manolaki, P., Sarris, D., **Stavrinides, M.** Mapping and assessing ecosystem services in Cyprus. 10th IALE World Congress. Milan, Italy. July 2019.
- CP5 Litskas, V.D., Migeon, A., Navajas, M., Tixier, M-S., Tzortzakis, N., **Stavrinides, M.C.** Agriculture in the face of a changing climate: adaptation and mitigation solutions. 2nd International Conference ADAPT to CLIMATE. Heraklion, Crete. June 2019.
- CP6 C. Michael, E. Gil, M. Gallart, L. Kanetis, **M. C. Stavrinides.** Evaluating the effectiveness of low volume spray application using air assisted knapsack sprayers in wine vineyards. 2nd International Conference ADAPT to CLIMATE. Heraklion, Crete. June 2019.
- CP7 Chrysargyris, A., Antoniou O., Ioannou I., Xylia P., **Stavrinides M.**, Tzortzakis N. 2019. Heat and drought stress can alter the physiology of Maratheftiko local Cyprian grapevine variety. 2nd International Conference ADAPT to CLIMATE. Heraklion, Crete. June 2019.
- CP8 Chrysargyris, A., Litskas, V.D., **Stavrinides, M.C.**, Tzortzakis, N. 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. Belgrade, Serbia. April 2019.
- CP9 Litskas, V., Migeon A., Navajas, M., Tixier, M.S., **Stavrinides, M.C.** Global climate change effects on tomato, a key pest and its natural enemy. Climatico 2019. International Conference on Climate Change in the Mediterranean: Agriculture, Food and Health Impacts and Challenges. Limassol, Cyprus. April 2019.
- CP10 Litskas, V., Chrysargyris A., Tzortzakis, N., **Stavrinides, M.C.** Carbon footprint mitigation in Mediterranean agriculture: Case studies from vines and aromatic plant farms in Cyprus. Climatico 2019. International Conference on Climate Change in the Mediterranean: Agriculture, Food and Health Impacts and Challenges. Limassol, Cyprus. April 2019.

- CP11 Chrysargyris, A., Antoniou O., Ioannou I., Xylia P., **Stavrinides M.**, Tzortzakis N. Heat and drought stress can alter the physiology of Maratheftiko local Cyprian grapevine variety. Climatico 2019. International Conference on Climate Change in the Mediterranean: Agriculture, Food and Health Impacts and Challenges. Limassol, Cyprus. April 2019.
- CP12 Litskas, V., Migeon A., Navajas, M., Tixier, M.S., **Stavrinides, M.** 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 2019. [Poster]
- CP13 **Stavrinides, M.C.** Of mites and islands: Preventing invasions with minimum resources. XV International Congress of Acarology. Antalya, Turkey. September 2018.
- CP14 Antoniou, C., Fragkoudi, I., Martinou, A., **Stavrinides, M.C.**, Fotopoulos, V. Response of *Medicago truncatula* plants to drought and spider mite attack. XV International Congress of Acarology. Antalya, Turkey. September 2018.
- CP15 Mandoulaki, A., Zotos, S., Hadjistylli, M., Papacharitou, P. Xenophontos, M., Erotokritou, E., Sergides, L., Vogiatzakis I., **Stavrinides, M.** Enhancement of arthropod-based ecosystem services in Mediterranean vineyards. 17th Panhellenic Entomological Congress. Athens, Greece, September 2017.
- CP16 Mandoulaki, A., Zotos, S., Sergides, S., Xenophontos, M., Erotokritou, E., Hadjistylli, M., Vogiatzakis, I.N., **Stavrinides, M.C.** 2017. AgroLIFE project: Sustainable viticulture in traditional vineyards in Cyprus. 40th Congress of Vine and Wine. Sofia, Bulgaria, May 2017.
- CP17 Litskas, V.D., Irakleous, T., Tzortzakis, N., **Stavrinides, M.C.** Indigenous varieties and carbon sequestration for “zero emissions” grapes? Ampelos 2017 – 4th International Symposium on Mediterranean vineyards and Climate Change. Santorini, Greece. May 2017.
- CP18 Litskas, V., Migeon, A., Navajas, M., **Stavrinides, M.** 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. Valencia, Spain. July 2016.
- CP19 Navajas, M., **Stavrinides, M.** Biological Invasions in changing ecosystems. 8th Symposium of the European Association of Acarologists. Valencia, Spain. July 2016.
- CP20 Chrysargyris, A., Laoutari, S., Litskas, V., **Stavrinides, M.**, Tzortzakis, N. Effects of water stress on lavender and Greek sage oil quality and biocidal properties against *Tetranychus urticae*. 8th Symposium of the European Association of Acarologists. Valencia, Spain. July 2016.
- CP21 Zotos S., Erotokritou, E., Mandoulaki, A., Sergides, L., Xenophontos, M., **Stavrinides, M.**, Vogiatzakis, I.N. 2016. Rocky shelters for lizards: A way to preserve

- agricultural biodiversity. 9th Symposium on the Lacertids of the Mediterranean Basin. Limassol, Cyprus. June 2016.
- CP22 Zotos, S., Mandoulaki, A., Sergides, L., Xenophontos, M., Erotokritou, E., Martinou, A., **Stavrinides, M.**, Vogiatzakis, I.N. 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. Irakleio, Crete, Greece. October 2015. (Poster).
- CP23 Chrysargyris, A., Laoutari, S., Litskas, V., **Stavrinides, M.**, Tzortzakis, N. Effects of plant water stress on toxicity of essential oils to *Tetranychus urticae*. Fourth meeting of the IOBC Working Group “Integrated Control of Plant Feeding Mites”. Castello, Spain, September 2015.
- CP24 Mandoulaki, A. Zotos, S., Martinou, A., Xenophontos, M., Sergides, L., Vogiatzakis, I.N., **Stavrinides, M.** 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. Prespa, Greece. May 2015. (Poster).
- CP25 Zomeni, M., Martinou, A., **Stavrinides, M.**, Xenofontos, M., Stylianopoulou, E. Vogiatzakis, I.N. Defining High Nature Value Farmland (HNVF) in Cyprus: an expert driven approach. Urban Landscape Ecology: Science, Policy & Practice. International Association for Landscape Ecology (IALE). London, UK. September 2014.
- CP26 Martinou, A.F., Angelidou, I., Apostolidou, C., Demetriades D., **Stavrinides, M.C.** Evaluation of the ecosystem service of biocontrol and functional biodiversity in a Mediterranean agroecosystem. 10th European Congress of Entomology. York, Scotland. August 2014.
- CP27 Martinou, A.F., Eleftheriou, E., Gregoriou, A., Kyriakou, P., Seraphides, N., **Stavrinides, M.C.** Influence of pesticides on mortality and behavior of the predator *Macrolophus pygmaeus* (Hemiptera: Miridae). 15th Pan-Hellenic Congress of Entomology. Kavalla, Greece. October 2013. (In Greek)
- CP28 Martinou, A.F., Angelidou, I., Apostolidou, C., Demetriades, D., **Stavrinides, M.C.** Evaluation of the ecosystem services of predation and biodiversity in Mediterranean tomato crops. 15th Pan-Hellenic Congress of Entomology. Kavalla, Greece. October 2013. (Poster. In Greek)
- CP29 Michael, K., **Stavrinides, M.C.** Population dynamics of the grape berry moth (*Lobesia botrana*) in vineyards in Cyprus. 15th Pan-Hellenic Congress of Entomology. Kavalla, Greece. October 2013. (Poster. In Greek)
- CP30 Moraiti, C., Kadis, K., **Stavrinides, M.C.** Fruit eating arthropods of *Juniperus foetidissima* (Cupressaceae) in the Troodos mountains, Cyprus. 15th Pan-Hellenic Congress of Entomology. Kavalla, Greece. October 2013. (Poster. In Greek)

- CP31 **Stavrinides, M.C.**, JeanClaude, G., Jacas, J.A., Karadjova, O.E., Tramontini, S., Navajas, M. Risk assessment on *Eutetranychus orientalis*: A tool in support of European decision makers. 4th meeting of the IOBC Working Group “Integrated Control of Plant Feeding Mites”. Paphos, Cyprus. September 2013.
- CP32 Fragkoudi, I., Antoniou, C., Martinou, A., **Stavrinides, M.**, Fotopoulos, V. Nitro-oxidative response of *Medicago truncatula* plants to mite attack under drought conditions. 4th Meeting of the IOBC Working Group - Integrated Control of Plant Feeding Mites, Paphos, Cyprus. September 2013.
- CP33 Martinou, A.F., **Stavrinides, M.C.** Quantifying the ecosystem service of biocontrol in tomato agroecosystems in Cyprus. 1st Annual British Ecological Society Agricultural Ecology Meeting, London, UK. November 2012.
- CP34 **Stavrinides, M.C.**, Daane, K., Mills, N.J. Inconsistent effects of plant water stress on herbivores: the role of leaf temperature. 7th Symposium of the European Association of Acarologists, Vienna, Austria. July 2012.
- CP35 **Stavrinides, M.C.**, Mills, N.J., Daane, K. Conservation biological control in vineyards: Impact of four pesticide adjuvants and the insecticide spirotetramat (Movento) on a key predatory mite. 3rd meeting of the IOBC Working Group “Integrated Control of Plant Feeding Mites”. Český Krumlov, Czech Republic. September 2011.
- CP36 **Stavrinides, M.C.**, Daane, K., Mills, N.J. Influence of temperature and agricultural practices on spider mite outbreaks in California vineyards. 25th Panhellenic Conference of the Greek Society for Horticultural Science. Limassol, Cyprus. November 2011. (In Greek)
- CP37 Scranton, K., **Stavrinides, M.C.**, Mills, N.J., de Valpine, P. Sources of life history variation in the Pacific spider mite. 95th Annual Meeting of the Ecological Society of America, Pittsburgh, PA. August 2010.
- CP38 Smith, E., Daane, K., Lawson, A., Yokota, G., **Stavrinides, M.** Can grapevine irrigation management manipulate mite and leafhopper populations? Annual Meeting of the Association of Applied IPM Ecologists, Modesto, CA. February 2009. (Poster)
- CP39 **Stavrinides, M.C.**, Roderick, G.K. Capturing mite diversity in a model tropical ecosystem using DNA barcoding and traditional systematics. Annual Meeting of the Entomological Society of America, Indianapolis, IN. December 2009.
- CP40 **Stavrinides, M.C.**, Mills, N.J. Demographic testing reveals complex effects of pesticides on biological control of Pacific spider mite by the western predatory mite on grape plants. Meeting of the IOBC/WPRS workgroup “Integrated control of plant feeding mites”. Florence, Italy. March 2009. IOBC/WPRS Bulletin 50: 102.
- CP41 **Stavrinides, M.C.**, Daane, K.M., Mills, N.J. Favored by plant water stress, harmful spider mites displace plant-defense inducing mites from California vineyards. Annual Meeting of the Entomological Society of America. Reno, NV. December 2008.

- CP42 **Stavrinides, M.C.**, Daane, K.M., Mills, N.J. Shutting down the cooling system: Water stress, leaf temperature and spider mite outbreaks in vineyards. Sixth Symposium of the European Association of Acarologists. Montpellier, France. July 2008.
- CP43 **Stavrinides, M.C.**, Mills, N.J. Shutting down the cooling system: Water stress, leaf temperature and spider mite outbreaks in vineyards. 92nd Annual Meeting of the Pacific Branch of the Entomological Society of America. Napa, CA. March 2008.
- CP44 **Stavrinides, M.C.**, Daane, K.M., Mills, N.J. Grape plants on fire: water stress, leaf temperature and spider mite outbreaks in vineyards. Graduate Student Research Symposium. Dept. of Environmental Science, Policy and Management, UC Berkeley. Berkeley, CA. May 2008.
- CP45 **Stavrinides, M.C.**, Mills, N.J. Use of a demographic approach reveals complex effects of pesticides on biological control of spider mites by western predatory mite *Galendromus occidentalis* (Acari: Phytoseiidae). Entomological Society of America Annual Meeting. San Diego, CA. December 2007.
- CP46 **Stavrinides, M.C.**, Mills, N.J. Water stress, leaf temperature and the distribution of spider mites in vineyards. Entomological Society of America Annual Meeting. Indianapolis, IN. December 2006. (Poster)
- CP47 Chapman, T., **Stavrinides, M.**, Kraaijeveld, K., Katsoyannos, B. Analysis of remating frequency in female medflies, 6th International Symposium on Fruit Flies of Economic Importance, Stellenbosch, South Africa. May 2002. (by K. Kraaijeveld)
- CP48 Chimonidou, D., **Stavrinides, M.**, Papadopoulos, I., Polycarpou, P. 2005. Intensive cultivation of floricultural greenhouse crops. Proceedings of the Conference on Greenhouse Crop Production in the Mediterranean Region, Nicosia, Cyprus. November 2003, p.57-65.

Invited Talks at Scientific Conferences

1. **Stavrinides, M.C.**, Vogiatzakis, I., Tzortzakis, N., Litskas, V., Mandoulaki, A., Chrysargyris, A., Sergides, L., Xenofontos, M. Approaches and practices of agroecosystem management in Cyprus. European Conference on «Mountain areas of large Mediterranean islands: European issues, National and Regional policies and local mechanisms». Troodos, Cyprus. January 2020.
2. Litskas, V.D., Migeon, A., Navajas, M., Tixier, M.-S., **Stavrinides, M.C.** Impacts of climate change on tomato, a notorious pest and its natural enemy: Small scale agriculture at higher risk. Annual Meeting of the Acarological Society of America. St. Louis, Missouri. November 2019.
3. **Stavrinides, M.C.** Of mites and islands: Preventing invasions with minimum resources. XV International Congress of Acarology. Antalya, Turkey. September 2018.
4. Antoniou, C., Fragkoudi, I., Martinou, A., **Stavrinides, M.C.**, Fotopoulos, V. Response of *Medicago truncatula* plants to drought and spider mite attack. XV International Congress of Acarology. Antalya, Turkey. September 2018.

5. **Stavrinides, M.C.** Demographic effects of pesticides on predatory mites. Presentation to the Symposium on Sustainable Control of Phytophagous Mites. XIV International Congress of Acarology. Kyoto, Japan. July 14-18, 2014.
6. **Stavrinides, M.C.**, Mills, N.J. Understanding how management practices can influence biological control of spider mites in California vineyards. Robert J. O'Neil Outstanding Graduate Student Award Talk. Annual Meeting of the International Organization for Biological Control - Nearctic Regional Section. Indianapolis, IN. December 15, 2009.

Invited Lectures and Presentations to Professional Groups

1. **Stavrinides, M.C.** Impacts of climate change on tomato, a notorious pest and its natural enemy. Open University of Cyprus MSc Program, Nicosia, Cyprus, February 13, 2020.
2. **Stavrinides, M.C.** Impacts of climate change on crops, pests and natural enemies. Presentation to MSc students of the summer program of the University of Antwerp, Antwerp, Belgium. Koilani Village, Cyprus, July 8, 2019.
3. **Stavrinides, M.C.** The AgroLIFE project (www.agrolife.eu). Presentation to representatives of the European Court of Auditors on their mission "Audit on environment-friendly farming (Task No 19CH1005)". Ministry of Agriculture, Nicosia, Cyprus, November 27, 2018.
4. **Stavrinides, M.C.** The development of the first set of agro-environmental indicators for Cyprus. Presentation to the Estonian Delegation from the Agricultural Research Center. Nicosia, Cyprus, November 12, 2018.
5. **Stavrinides, M.C.** Integrated Pest Management. Presentation was part of required training for crop protection specialists (ca. 100 participants). Skarinou, Cyprus. December 8, 2017.
6. **Stavrinides, M.C.** Integrated Pest Management. Presentation was part of required training for crop protection specialists (ca. 75 participants). Limassol, Cyprus. December 7, 2015.
7. **Stavrinides, M.C.** Integrated Pest Management. Presentation was part of required training for crop protection specialists (ca. 200 participants). Nicosia, Cyprus. December 9, 2015.
8. **Stavrinides, M.C.** Effects of pesticides on mirid omnivorous predators of agricultural importance. Presentation to undergraduate students of Universitat Jaume I, Spain. Castellón de la Plana, Spain. May 8, 2014.
9. **Stavrinides, M.C.** Effects of abiotic factors on outbreaks of spider mites of agricultural importance. Presentation to undergraduate students of Universitat Jaume I, Spain. Castellón de la Plana, Spain. May 7, 2014.

10. **Stavrinides, M.C.** Influence of temperature and agricultural practices on spider mite outbreaks in California vineyards. Presentation to MSc students of the Democritus University of Thrace. Orestiada, Greece. December 22, 2012.
11. **Stavrinides, M.C.** Crop protection in organic agriculture. Workshop in Organic Farming. Nicosia, Cyprus. May 5, 2012.
12. **Stavrinides, M.C.** Common pests of vegetables and ornamentals. Presentation to members of the Mediterranean Garden Society. Limassol, Cyprus. April 19, 2011.
13. Daane, K.M., Cooper, M., Costello, M., Hogg, B., Miles, A., **Stavrinides, M.C.**, Walton, V., Wilson, H., Yokota, G. Manipulating beneficial insects in vineyard ecosystems. Recent Advances in Viticulture and Enology. Davis, CA. March 18, 2010. (by Daane KM)
14. Daane, K.M., Cooper, M., Costello, M., Hogg, B., Miles, A., **Stavrinides, M.C.**, Walton, V., Wilson, H., Yokota, G. Manipulating pests and beneficial arthropods in vineyard ecosystems. Central Coast Vine Symposium. Paso Robles, CA. March 24, 2010. (by Daane KM)
15. **Stavrinides, M.C.**, Daane, K.M., Mills, N.J. Preventing spider mite outbreaks in vineyards: water stress, pesticide disruption and miticide resistance. Napa Valley Viticulture Technical Group. Napa, CA. June 3, 2009.
16. **Stavrinides, M.C.**, Daane, K.M., Mills, N.J. Minimizing mite outbreaks in vineyards. 57th Annual Grape Day. Lodi, CA. February 3, 2009.
17. **Stavrinides, M.C.**, Daane, K.M., Mills, N.J. Sustainable mite management in California vineyards. Sustainable Agriculture Expo. Monterey, CA. November 13, 2008.
18. **Stavrinides, M.C.**, Mills, N.J. Spider mite outbreaks in vineyards: research updates on pesticide disruption, resistance and water stress. Fresno grape growers meeting. Fresno, CA. July 9, 2008.
19. **Stavrinides, M.C.**, Mills, N.J. Managing spider mites in vineyards: research updates on pesticide disruption and miticide resistance. San Joaquin Valley Regional Research Roadshow. Fresno, CA. June 26, 2008.
20. **Stavrinides, M.C.**, Mills, N.J. Managing spider mites in vineyards: research updates on pesticide disruption, resistance and water stress. Central Coast Roadshow. Paso Robles, CA. May 6, 2008.
21. **Stavrinides, M.C.**, Mills, N.J. New developments in spider mite management: pesticide disruption, resistance and water stress. Sonoma County Vineyard Technical Group. Sonoma, CA. February 13, 2008.
22. Daane, K.M., **Stavrinides, M.C.** Water stress-induced pest pressures. Sonoma County Sustainable Winegrowing Alliance - IPM/Organic Field Day. Sonoma, CA. August 1, 2007. (by Daane KM)

23. **Stavrinides, M.C.**, Mills, N.J. Effects of current and new pesticides on the western predatory mite. Workshop on the identification and biology of predatory mites in agriculture. Bakersfield, CA. July 11, 2007.

Public Outreach Invited Talks – Interactive Demonstrations

1. Varnava, A. and **Stavrinides, M.C.** Biodiversity of the wild bees of Cyprus. Project in collaboration with the Ministry of Education involving ca. 80 high school students and their teachers from schools around Cyprus. The program aims at familiarizing students and teachers with ecological field research. 2019 – now.
2. **Stavrinides, M.C.** Methods for the study of insect biodiversity. Presentation to ca. 100 high school students participating in a research program on the biodiversity of the wild bees of the island. Limassol, February 28, 2020.
3. **Stavrinides, M.C.** Assessing the biodiversity of wild bees. Presentation to three different high school student groups who are participating in voluntary research on the wild bees of the island. Paphos, December 20, 2019.
4. Varnava, A. and **Stavrinides, M.C.** – Contributors to the campaign on the Pancyprian Federation of Bee Keepers on the importance of bees. 2019.
5. **Stavrinides, M.C.** The importance of insects. Presentation to ca. 50 primary school students. Nicosia, December 18, 2019.
6. Varnava, A., **Stavrinides, M.C.** Lavender and bees. 3rd National Lavender Festival. Platres Cultural Center, Limassol, Cyprus. July 7, 2018. (by Varnava, A.)
7. **Stavrinides, MC.** Can we live without insects? Agia Marina Primary School, Strovolos, Cyprus. December 15, 2017.
8. **Mediterranean Science Festival 2017.** Participated with my group with an interactive demonstration on: Get to know the bugs! Three day public outreach event for the public and high school students. April 27-30, 2017.
9. **Researcher’s Night 2016.** Participated with my group with an interactive demonstration on “Get to know the bugs”. Limassol, Cyprus. September 30, 2016
10. **Mediterranean Science Festival 2015.** Participated with my group with an interactive demonstration on: Get to know the bugs! Three day public outreach event for the public and high school students. December 3-6, 2015.
11. **Stavrinides, MC** and A Varnava. The bees of Cyprus with special reference to the work of George Mavromoustakis, an expert bee taxonomist from Limassol, Cyprus. Presentation in the event “The scientific work of G. Mavromoustakis” co-organized

by the Limassol Municipality, the Cyprus University of Technology and the Department of Agriculture. Limassol, Cyprus. September 13, 2013.

12. **Researcher's Night 2011.** Participated with my group with an interactive demonstration on "Getting to know the insects". Nicosia, Cyprus. September 23, 2011.
13. **Stavrinides MC.** Agricultural education for young farmers. Limassol, Cyprus. December 13, 2011.
14. **Stavrinides MC.** Organic farming. Ayioi Anargyroi Primary School. Larnaca, Cyprus. December 7, 2010.
15. **Stavrinides MC.** Organic Agriculture. Agios Vasilios Primary School, Strovolos, Cyprus. December 17, 2003.
16. **Stavrinides MC.** Practical application of organic agriculture. The Cyprus Pedagogical Institute, Latsia, Cyprus. February 20, 2003.

Newspaper Articles Featuring Research and TV / Radio Interviews

1. "Estimating the environmental footprint of wine". Phileleftheros newspaper, Feb. 2, 2020.
2. "Climate change and agriculture". <http://www.paideia-news.com>. June 27, 2018 – republished in Phileleftheros newspaper. July 1, 2018.
3. "Solitary bees in Cyprus". Phileleftheros newspaper. March 4, 2018.
4. "Bees are an invaluable treasure". Phileleftheros newspaper. February 6, 2018.
5. "Low environmental footprint of wines from Cyprus". Phileleftheros newspaper. December 11, 2017.
6. "Five star bee hotels in Cyprus". Politis newspaper. November 26, 2017.
The AgroLIFE project was featured in 40 articles in newspapers, magazines, newsletters, electronic media and radio interviews, a sample of which is listed below (no 7 – 11).
7. "Diversity trails in Cyprus villages". Phileleftheros newspaper. April 9, 2017.
8. "Agrodiversity trail in Anogyra village". Phileleftheros newspaper. September 27, 2016.
9. "The AgroLIFE project". 45 minute documentary on the project by the TV show "Spiti sti fisi – House in Nature" of the Cyprus Broadcasting Corporation – RIK1 (one of top three TV channels on the island). Aired on May 8, 2016.
10. "The AgroLIFE project". Radio interview on the AgroLIFE project (given by another team member) for the show "I Ora tis Ipethrou – The Time of the Countryside" of the RIK1 radio station (one of the main on the island). Aired for the first time on September 4, 2016.

11. “To protect carob groves, Cyprus recruits owls and snakes”. www.reuters.com. May 6, 2015.
12. “Pesticide residues in fresh produce in Cyprus”. Short interview for the morning TV show of the Cyprus Broadcasting Corporation, Channel 1. October 3, 2012.
13. “Principles of organic agriculture”. Invited panel member for Sin-Plin TV show. Cyprus Broadcasting Corporation, Channel 1. May 2, 2012.
14. “Crop protection in organic agriculture”. Invited panel member for Sin-Plin TV show. Cyprus Broadcasting Corporation, Channel 1. September 15, 2010.
15. “Menelaos Stavrinides wins Robert J. O’ Neil Outstanding PhD in Biological Control Award in 2009.” International Organization for Biological Control – NRS Newsletter, Vol. 32, No 1, Spring 2010, p. 3.
16. Field interview by the French Polynesian TV for my participation in the Biocode Project that aims to catalogue life diversity on the island of Moorea using DNA barcoding. September 2009. (airing in December 2010)
17. “Spider mite outbreaks: resistance and pesticide disruption.” American Vineyard, July 2008 Issue, p. 12-13. (interviewed by P. Cavanaugh for the article “AVF Roadshow, a success in Central Valley”)
18. “Water and Vine Mites.” The IPM Practitioner. Vol. XXIX, May/June 2007 Issue, p. 14. (article featuring my poster presentation at the ESA 2006 Annual Meeting)
19. Biological control of two-spotted spider mite in greenhouse cultures with predatory mites. Radio interview, July 2004, CyBC Radio 1, Cyprus. (in Greek)

Teaching Experience

Courses taught at the Cyprus University of Technology

Undergraduate Courses

Co-instructor (85% of course), Ecology and Biodiversity Conservation (ABF 200), Cyprus University of Technology, Fall Semester, (2011 – now).

Introductory ecology class required for all 3rd semester students of the Dept. of Agricultural Sciences, Biotechnology and Food Science. Three hours of lectures per week. Designed class syllabus, developed and graded student assignments. Prepared and graded midterm and final exam.

Topics covered include: Introduction to Ecology, Ecology and Evolution, Abiotic and biotic factors influencing species distribution, Population dynamics, Demography, Population growth and intra-specific competition, Inter-specific competition, Predation-Herbivory and Commensalism, Disease and Parasitism, Population harvesting and pest control, Invasive species, Ecological succession, Ecosystem metabolism: Primary, secondary production and recycling of matter, Ecosystem

dynamics and climate change, Ecosystem services, Environmental impacts of agriculture.

Instructor, Entomology and Acarology (ABF 317), Cyprus University of Technology, Fall Semester, (2011 – now).

Introductory Entomology and Acarology class required for all 5th semester students of the Crop Production Division of the Dept. of Agricultural Sciences, Biotechnology and Food Science. Three hours of lectures and two hours of laboratory per week. Designed class and laboratory syllabus, developed and graded student assignments. Prepared and graded midterm and final exam.

Topics covered in lectures and laboratory practicals include: Introduction: the importance of insects and mites, External Anatomy, Internal Anatomy, Physiology, Sensory organs, Behavior, Reproduction, Development and life histories, Insect and Mite Systematics, Biogeography and evolution, Soil borne and aquatic insects and mites, Plant feeding insects and mites, Predation and parasitism, Social insects, Basic principles of Integrated Pest Management, Medical and Veterinary Entomology, House pests and their control.

In addition to attending the laboratory practicals that cover in depth topics presented in lectures, students must submit by the end of the semester an insect and mite collection with 65 species.

Instructor, Integrated Management of Insect and Mite Pests (ABF 320), Cyprus University of Technology, Spring Semester, (2012 – now).

Advanced IPM class required for all students of the 6th semester of the Crop Production Division of the Dept. of Agricultural Sciences, Biotechnology and Food Science. Three hours of lectures and two hours of laboratory per week. Designed class and laboratory syllabus, developed and graded student assignments. Prepared and graded midterm and final exam.

Topics covered in the first general part of the course include: Pests and their importance for humans, Monitoring and forecasting of pest populations, Mechanical and cultural methods of pest control, Chemical control: Problems and resistance management, Biological control and integrated pest management, Invasive species: ecology, problems and control.

The second part of the course focuses on the biology, ecology and management of the most important pests of agricultural crops: Vegetables, Potatoes, Ornamentals, Grapevine, Grain and legume crops, Pome fruits, Stone fruits, Olive trees, Figs and pomegranate. In addition the course covers key pests of medical importance and of stored products.

In addition to attending the laboratory practicals that covers in depth topics presented in lectures, students must submit by the end of the semester a collection of 25 insect or mite infested plant parts.

Post-graduate courses

Co-Instructor (70% of the course), Molecular and Applied Ecology (ABF 506), Cyprus University of Technology, Spring Semester, (2013 – now).

Advanced Applied Ecology class required of all students of the MSc in Biotechnology of the Dept. of Agricultural Sciences, Biotechnology and Food Science. Three hours of lecture and three hours of laboratory per week. Designed class and laboratory syllabus for my part of the course, developed and graded student assignments. Prepared and graded final exam.

Topics covered in my part of the course include: Food production and impacts on the environment and public health, Assessment of environmental impacts of genetically modified crops, Pesticide Ecotoxicology, Ecosystem Services, Invasive species, Product Environmental Footprint, Agri-environmental measures, Climate change and agriculture.

Courses taught at the University of California, Berkeley

Instructor, The Biosphere Course (ESPM 2), University of California, Berkeley, Extension (Fall 2009)

Introductory science class for UC Berkeley undergraduate students. Three hours of Lecture and three hours of Discussion per week shared between two Instructors (Dr. Susan McIlroy). Co-designed class syllabus, developed and graded student assignments. Prepared and graded midterm and final exam.

My lectures included topics such as “Integrated pest management and biological control of pests”, “Genetically modified crops”, “Promises and problems of pesticide and fertilizer use”, “Organic farming”, “Soil and its importance for agriculture”, “The nitrogen and phosphorus cycles”, “Ecosystem services” and “Restoration Ecology”.

Graduate Student Instructor, Biology 1B Course, University of California, Berkeley (Fall 2008)

Introductory Biology course for UC Berkeley undergraduate students. One hour of Discussion and three hours of Laboratory per week. Developed section syllabus, prepared and graded weekly mini-exams and supervised independent, literature-based research projects. Demonstrated laboratory techniques, guided student group work, developed and graded weekly group assignments. Recipient of Outstanding GSI Award (awarded to 10% of UC Berkeley Graduate Student Instructors).

Guest lectures

Biological control of insect pests. Insect Ecology Course, University of California, Berkeley, CA (March 4, 2010).

Biological control augmentation. Biological Control Course, University of California, Berkeley, CA (Nov. 24, 2009).

Spider mites and predatory mites in California vineyards. Grape Pest Management Course, California Polytechnic University, San Luis Obispo, CA – field lecture at Kearney Agricultural Center, Parlier, CA (May 28, 2009).

Water stress in vineyards leads to displacement of non-damaging Pacific mites by harmful Willamette mites. Scientific Literature Course, Berkeley City College, Berkeley, CA (Dec. 11, 2008).

Risks and benefits of biological control. Biological Control Course, University of California, Berkeley, CA (Nov. 18, 2008).

Conservation biological control. Biological Control Course, University of California, Berkeley, CA (Nov. 20, 2008).

Biological control augmentation. Biological Control Course, University of California, Berkeley, CA (Nov. 25, 2008).

Identification, biology and management of a) scale insects, b) fruit flies and c) seed wasps. Three lectures for the Laboratory Course Insect Pests of Orchard Trees and Grapes. Aristotle University of Thessaloniki, Greece (Spring Semester 2002).

References

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