

CURRICULUM VITAE

March 2018

1. Personal Information

Surname	Pappas
Name	Maria
Date/place of birth	08.09.1978 / Arta, Greece
Current position	Assistant Professor in Entomology and Acarology (Government Gazette: 494/30.05.2017)
Address	Democritus University of Thrace, School of Agricultural Sciences and Forestry, Department of Agricultural Development, Laboratory of Agricultural Entomology and Zoology, Pantazidou 193, 68200 Orestiada, Greece
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2. Career

2017 – now	Assistant Professor in Entomology/Acarology Department of Agricultural Development, Democritus University of Thrace
2013 – 2017	Lecturer in Entomology/Acarology Department of Agricultural Development, Democritus University of Thrace
2011 – 2013 (3 months/year)	Visiting Researcher, Institute for Biodiversity and Ecosystem Dynamics University of Amsterdam, The Netherlands
2012	Adjunct Lecturer, Department of Agriculture, Aristotle University of Thessaloniki
2011 – 2013	Post-doctoral researcher, Department of Agricultural Development, Democritus University of Thrace
2009-2013	Adjunct Lecturer, Department of Agricultural Development, Democritus University of Thrace
2009 (3 months)	Visiting Researcher, Institute of Biology, Freie Universität Berlin, Germany
2007 - 2011	Post-doctoral researcher, Department of Agriculture, Aristotle University of Thessaloniki

3. Studies

2003-2007	PhD in Entomology Department of Agriculture, Aristotle University of Thessaloniki
2001-2003	MSc in Crop Protection (9.5/10.0) Department of Agriculture, Aristotle University of Thessaloniki
1996-2001	Bachelor in Agricultural Sciences (8.07/10.0) Department of Agriculture, Aristotle University of Thessaloniki

4. Research Interests

Ecology and biology of insects and mites
Herbivore/predator-plant-microbe interactions
Integrated pest management and biological control
Induced plant defences in biological control

5. Foreign languages – Computer skills

English (C1) – French (B2) – German (B1)
Computer Certified User by ACTA (MS Windows, MS Word, MS Excel, MS Internet Explorer, MS Outlook Express, MS Access, MS Power Point), SPSS, R Statistics

6. Research visits

2016	Montpellier SupAgro, Montpellier, France (29.02-05.03.2016, Erasmus LLP)
2014	University of Amsterdam, The Netherlands (14.05.2014- 28.05.2014, Erasmus LLP)
2014	Freie Universität Berlin, Berlin, German (06-13.10.2014, Ministry of Education, Bilateral educational program between Greece and Germany)
2011-2013	Freie Universität Berlin, Institute of Biology, Germany (1 week/year, IKYDA)
2011-2013	University of Amsterdam, Institute of Biodiversity and Ecosystem Dynamics, The Netherlands (9 months)
2010	University of South Bohemia Department of Zoology, Faculty of Science, Ceske Budejovice, Czech Republic (10-12.04.2010)
2009	Freie Universität Berlin, Institute of Biology, Germany (3 months, DAAD)

7. Academic teaching / Supervision of students and trainees

Democritus University of Thrace (undergraduate program)	
2014-	General Agricultural Entomology and Zoology
2008-	Concepts and Principles in Integrated Pest Management
2014-	Acarology - Nematology
2014	Pests of Field Crops and Vegetables
Democritus University of Thrace (postgraduate program)	
2015-	Insect - Plant Interactions
2016	Integrated Pest Management
Aristotle University of Thessaloniki (undergraduate program)	
2012	Entomology I
2012	Acarology
2002-2010	Entomology I and Acarology (practicals)

Main supervision of 2 Master (in progress), 13 Bachelor and 3 Internship students

Co-supervision of 3 PhD (in progress), 6 Master and 12 Bachelor students

8. Funded projects (Coordinator or Partner)

2016-2017	Biological pest control with <i>Macrolophus pygmaeus</i> populations as influenced by plant – mediated effects’ funded by Biobest Belgium NV - Coordinator
2015-2017	Bilateral Exchange Program (Greece-Germany): ‘Beyond predation: exploring the role of omnivorous predators in the activation of plant defenses to optimize biological pest control’ funded by IKY and DAAD – Coordinator of the Greek team
2013-2015	‘Plant defense responses to omnivorous heteropteran bugs: effects on plant pests’ funded by Onassis Foundation - Coordinator
2014-2017	Identification of promising natural enemies within the European <i>Chrysoperla carnea</i> (Neuroptera: Chrysopidae) cryptic species group” funded by Biobest Belgium NV - Partner
2014-2015	Evaluation of the selectivity of two insecticides to indigenous biological control agents in cotton fields in Northern Greece’ funded by DuPont de Nemours (France) - Partner
2011-2014	Bilateral Exchange Program (Greece-Germany): ‘Plant mediated effects of herbivory by zoophytophagous predatory insects on pest species’ funded by IKY and DAAD – Partner
2003-2011	Participation to 25 research projects funded by the agrochemical industry-Research assistant

9. Fellowships – Awards

2016	Erasmus LLP fellowship for a research visit (6 days) at Montpellier SupAgro
2015	Onassis Foundation, Award by the ‘Scientific publications expenses coverage assistance programme’ (publication fees for Pappas ML et al. 2015. PLoS ONE 10 (5): e0127251)

2014	Fulbright Foundation award to conduct research entitled ‘Unravelling novel mechanisms for whitefly resistance in alfalfa’ at Prof. Walling’s lab, University of California, Riverside, USA (declined due to her appointment as a lecturer at Democritus University of Thrace)
2014	Erasmus LLP fellowship for a research research visit (7 days) at the University of Amsterdam
2014	Bilateral educational program between Greece and Germany, Fellowship for a research research visit at Freie Universität Berlin
2010	Hungarian Scholarship Board, Research stay fellowship (2 weeks), University of Debrecen
2009	Deutscher Akademischer Austausch Dienst (DAAD), Postdoctoral Fellowship (3 months), Project Title: ‘Plants priming of herbivore resistance by pathogens’ (in collaboration with Prof. Dr A. Steppuhn, Freie Universität Berlin)
2009	Greek State Scholarships Foundation (I.K.Y.), Postdoctoral Fellowship (12 months)
2007-2008	Aristotle University Research Committee, Postdoctoral Fellowship (20 months)
2004-2007	Greek State Scholarships Foundation – 2004-2007, PhD Fellowship
2003-2004	Alexandros Onassis Scholarships Foundation, MSc Studies Fellowship

10. Scientific society memberships

Hellenic Entomological Society (HES); European Association of Acarologists (EURAAC); British Ecological Society (BES); International Association of Neuropterologists (IAN); International Society of Chemical Ecology (ISCE); International Organization for Biological and Integrated Control (IOBC)

11. Experience in reviewing processes

Grants/Project evaluation

- Member of the European Science Foundation (ESF) College of Expert Reviewers (2017 - ...)
- Reviewer of research projects submitted to the Netherlands Organization for Scientific Research (NWO), Open Programme-Earth and Life Sciences (2014-), Dutch Technology Foundation STW (2016) and to the Postdoctoral Fellowships Program (Niarchos Foundation-University of Thessaly) (2017)
- Member of the General Secretariat of Research and Technology reviews database (2016-)
- Member of the British Ecological Society (BES) Review College (2015-).

Scientific manuscripts evaluation

- Reviewer of scientific articles for the journals: Plant Biology, Journal of Chemical Ecology, Arthropod Plant Interactions, Animal Behaviour, Journal of Applied Entomology, Bulletin of Entomological Research, PLoS ONE, Experimental and Applied Acarology, Physiologia Plantarum, Insects, Ecological Entomology, Journal of Economic Entomology, European Journal of Entomology, Annals of the Entomological Society of America, Environmental Entomology, Journal of Insect Science, Applied Entomology and Zoology, Insect Science, Biocontrol Science & Technology, Toxicological & Environmental Chemistry, Pest Management Science, Frontiers in Ecology and Evolution, International Journal of Molecular Sciences, Frontiers in Plant Science, Agriculture, Ecosystems & Environment.

Editorial Board memberships

- Guest Associate Editor for Plant Microbe Interactions section of Frontiers in Microbiology and Frontiers in Plant Science, Research Topic: ‘Plant responses to phytophagous mites/thrips and search for resistance’, <http://journal.frontiersin.org/researchtopic/6671/plant-responses-to-phytophagous-mitesthrips-and-search-for-resistance>
- Guest Associate Editor for Frontiers in Plant Science, Frontiers in Ecology and Evolution and Frontiers in Environmental Science Research Topic: ‘Ecosystem Services and Disservices Provided by Plant-Feeding Predatory Arthropods’, <https://www.frontiersin.org/research-topics/7172/ecosystem-services-and-disservices-provided-by-plant-feeding-predatory-arthropods>

- Reviewer Editor for Frontiers in Plant Science, Frontiers in Ecology and Evolution, Frontiers in Environmental Science and Frontiers in Microbiology (Sections: Plant-Microbe Interactions and Agroecology and Land Use Systems) (2017-...)
- Managing Editor for Springer Science Reviews (2014-2017).
- Subject Editor for 'Entomologia Hellenica' (2015-).
- Editorial Board member for 'SpringerPlus' (2015-2016).
- Editorial Board member for 'Applied Entomology and Zoology' (2013-).
- Editorial Board member for Archives of Phytopathology and Plant Protection (2015-)
- Member of the Editorial Committee for the Newsletter of the Entomological Society of Greece (2014-)

Member of the examination committee of dissertations

One (1) PhD student (Dr. Christos Gerofotis, University of Thessaly, 01/07/2016).

Seven (7) Master students (Department of Agricultural Development, Democritus University of Thrace).

Eleven (14) diploma theses (Department of Agricultural Development, Democritus University of Thrace).

12.(Inter)national scientific activities

2015-2019	Substitute Management Committee Member for Greece of the COST Action FA1405 'Using three-way interactions between plants, microbes and arthropods to enhance crop protection and production'
2017-	Member of the European Science Foundation (ESF) College of Expert Reviewers
2018	Member of the Scientific Committee of the 1 st International Congress for Plant Protection in Mediterranean Agroecosystems, Montpellier, France, 16-20 July 2018
2017	Member of the Organizing and the Scientific Committees of the 6th meeting of the IOBC-WPRS Working Group "Integrated Control of Mite Pests"
2017	Member of the Scientific Committee of the 17th National Entomological Congress, Athens, Greece, 19-22 September 2017 (Session: Plant-Microbe Interactions)
2016	Member of the Organizing Committee of the meeting of the IOBC-WPRS Working Group "Pesticides and Beneficial Organisms"
2015	Organisation of the scientific expert meeting in collaboration with Prof. Nicole van Dam under the framework of the action COST FA1105 Biogreenhouse: towards a sustainable and productive EU organic greenhouse horticulture, Leipzig 20-22 April 2015.
2015	Member of the Scientific Committee of the 16th National Entomological Congress, Heraklion, Greece, 20-23 October 2015 (Session: Biological Control and other Control Methods)
2014-	Member of the Advisory Board of the Entomological Society of Greece (2016-, General Secretary 2014-2016).
2013	Member of the Organizing and the Scientific Committees of the 15th Panhellenic Entomological Congress to be held on 22-25 October 2013 in Kavala, Greece.
2002-now	Participation to 23 International (37 abstracts)
1999-now	Participation to 10 national conferences (48 abstracts)

13.Invited talks/lectures

- Invitation by Prof. Josep Jacques (Universitat Jaume I) and Dr Alberto Urbaneja (Unidad Asociada Entomologia UJI-IVIA) to participate with a talk to the IOBC sponsored Symposium entitled 'Zoophytophagous Predators in Biological Control' during the International Congress of Entomology, ICE March 26, 2016, Florida USA. Title: Beyond predation: plant-mediated effects of the zoophytophagous predator *Macrolophus pygmaeus* on its herbivorous prey.
- Talk in the framework of the seminars of the postgraduate studies program. Title: Insect-Plant interactions: the role of the zoophytophagous predator *Macrolophus pygmaeus*, 31 October 2014.

- Invitation by Prof. Dr. Monika Hilker and Prof. Dr. Anke Steppuhn to give a lecture at the Institute of Biology (Department of Applied Zoology/ Animal Ecology) at the Freie Universität of Berlin (Germany) (28th May 2009). Title: ‘Life-history traits and phenology of the predatory lacewing *Dichochrysa prasina* (Neuroptera: Chrysopidae)’.
- Invitation by Prof. Kostas Galanopoulos to give a lecture at the Department of Agricultural Development at Democritus University of Thrace, Orestiada, (Greece) (11th February 2010). Title: ‘Predatory insects of the family Chrysopidae-certain biological and phonological aspects of the most important chrysopid species in Greece’.
- Invitation by Prof. Oldrich Nedved to give a lecture at the Department of Zoology, Faculty of Science, University of South Bohemia (Czech Republic) (12th April 2010). Title: ‘Biological Control: Principles and implementation in the greenhouse’.
- Invitation by Prof. Oldrich Nedved to give a lecture at the Department of Zoology, Faculty of Science, University of South Bohemia (Czech Republic) (14th April 2010). Title: ‘*Dichochrysa prasina* (Neuroptera: Chrysopidae): a promising indigenous biological control agent in orchards’.

14. Publications in international peer-reviewed journals | h-index: 9 (Scopus)

1. **Pappas, M.L.**, Tavlaki, G., Triantafyllou, A., Broufas, G.D. (2018). Omnivore-herbivore interactions: thrips and whiteflies compete via the shared host plant. *Scientific Reports* (in press).
2. **Pappas M.L.**, Broekgaarden C., Broufas G.D., Kant M.R., Messelink G., Steppuhn A., Wäckers F. and N.M. van Dam 2017. The double-edged sword of induced plant defences in biological control. *Pest Management Science*, doi: 10.1002/ps.4587
3. Muñoz-Cárdenas K., Ersin F., Pijnakker J., van Houten Y., Hoogebrugge H., Leman A., **Pappas M.L.**, Duarte M.V.A., Messelink G., Sabelis M.W. and A. Janssen 2017. Supplying alternative prey in the litter increases control of an above-ground plant pest. *Biological Control* 105: 19-26.
4. Ataíde L.M.S., **Pappas M.L.**, Schimmel B.C.J., López-Orenes A., Alba J.M., Duarte M.V.A., Pallini A., Schuurink R.C. and M.R. Kant 2016. Suppressed plant-defenses boost herbivore reproduction but also evoke increased predation of their offspring. *Plant Science* 252:300-310.
5. **Pappas M.L.**, Steppuhn A., and G.D. Broufas 2016. The role of phytophagy by predators in shaping plant interactions with their pests. *Communicative and Integrative Biology*, 9(2): e1145320, (invited).
6. **Pappas M.L.**, Steppuhn A., Geuss D., Topalidou N., Zografou A., Sabelis M.W. and G.D. Broufas 2015. Beyond predation: the zoophytophagous predator *Macrolophus pygmaeus* induces tomato resistance against spider mites, *PLoS ONE* 10 (5): e0127251
7. Alba J.M., Schimmel B.C.J, Glas J.J., Ataíde L.M.S., **Pappas M.L.**, Villarroel C.A., Schuurink R.C., Sabelis M.W. and M.R. Kant 2015. Spider mites suppress tomato defenses downstream of jasmonate and salicylate independently from hormonal crosstalk. *New Phytologist* 205(2): 828-840.
8. Samaras K., **Pappas M.L.**, Fytas E. and G.D. Broufas 2015. Pollen suitability for the development and reproduction of *Amblydromalus limonicus* (Acari: Phytoseiidae), *BioControl* 60(6): 773-782.
9. Döker I., Pappas M.L., Samaras K., Triantafyllou A., Kazak C. and G.D. Broufas 2015. Compatibility of reduced-risk insecticides with the non-target predatory mite *Iphiseius degenerans* (Acari: Phytoseiidae), *Pest Management Science* 71(9): 1267-1273.
10. **Pappas M.L.**, Karagiorgou E., Papaioannou G., Koveos D.S. and G.D. Broufas 2013. Developmental temperature responses of *Chrysoperla agilis* (Neuroptera: Chrysopidae), a member of the European *carnea* cryptic species group. *Biological Control* 64(3): 291-298.
11. **Pappas M.L.**, Xanthis C., Samaras K., Koveos D.S. and G.D. Broufas 2013. Potential of the predatory mite *Phytoseius finitimus* (Acari: Phytoseiidae) to feed and reproduce on greenhouse pests. *Experimental and Applied Acarology* 61(4): 387-401.
12. **Pappas M.L.**, Migkou F. and G.D. Broufas 2013. Incidence of resistance to neonicotinoid insecticides in greenhouse populations of the whitefly, *Trialeurodes vaporariorum* (Hemiptera: Aleyrodidae) from Greece. *Applied Entomology and Zoology* 48(3): 373-378.

13. **Pappas M.L.**, Broufas G.D., Tsarsitalidou O. and D.S. Koveos 2011. Development and reproduction of the lacewings *Dichochrysa flavifrons* and *Dichochrysa zelleri* fed on eggs of *Ephestia kuehniella* and nymphs of *Acyrtosiphon pisum*. *Annals of the Entomological Society of America* 104(4): 726-732.
14. **Pappas M.L.**, Broufas G.D. and D.S. Koveos 2011. Chrysopid predators and their role in biological control. *Journal of Entomology* 8: 301-326 (invited).
15. **Pappas M.L.** and D.S. Koveos 2011. Life-history traits of the predatory lacewing *Dichochrysa prasina* (Neuroptera: Chrysopidae): temperature - dependent effects when larvae feed on nymphs of *Myzus persicae* (Homoptera: Aphididae). *Annals of the Entomological Society of America* 104(1): 43-49.
16. **Pappas M.L.**, Broufas G.D., Koufali N., Pieri P. and D.S. Koveos 2011. Effect of heat stress on survival and reproduction of the olive fruit fly *Bactocera (Dacus) oleae*. *Journal of Applied Entomology* 135(5): 359-366.
17. **Pappas M.L.**, Broufas G.D. and D.S. Koveos 2009. Effect of prey availability on development and reproduction of the predatory lacewing *Dichochrysa prasina* (Neuroptera: Chrysopidae). *Annals of the Entomological Society of America* 102(3): 437-444.
18. Broufas G.D., **Pappas M.L.** and D.S. Koveos 2009. Effect of relative humidity on reproduction, longevity and ovarian maturation of the tephritid fly *Bactocera (Dacus) oleae*. *Annals of the Entomological Society of America* 102(1): 70-75.
19. Broufas G.D., **Pappas M.L.**, Vassiliou G. and D.S. Koveos 2008. Toxicity of certain pesticides to the predatory mite *Euseius finlandicus* (Acari: Phytoseiidae). *IOBC wprs Bulletin* Vol. 35, 85-91.
20. **Pappas M.L.**, Broufas G.D. and D.S. Koveos 2008. The two spotted spider mite, *Tetranychus urticae* (Acari: Tetranychidae), alternative prey for the lacewing *Dichochrysa prasina* (Neuroptera: Chrysopidae). *European Journal of Entomology* 105: 461-466.
21. **Pappas M.L.**, Broufas G.D. and D.S. Koveos 2008. Effect of relative humidity on development, survival and reproduction of the predatory lacewing *Dichochrysa prasina* (Neuroptera: Chrysopidae). *Biological Control* 46: 234-241.
22. **Pappas M.L.**, Broufas G.D. and D.S. Koveos 2008. Effect of temperature on survival, development and reproduction of the predatory lacewing *Dichochrysa prasina* (Neuroptera: Chrysopidae) reared on *Ephestia kuehniella* eggs (Lepidoptera: Pyralidae). *Biological Control* 45: 396-403.
23. **Pappas M.L.**, Broufas G.D. and D.S. Koveos 2007. Effect of mating frequency on fecundity and longevity of the predatory mite *Kampimodromus aberrans* (Acari: Phytoseiidae) *Experimental and Applied Acarology* 43(3): 161-170.
24. Broufas G.D., **Pappas M.L.** and D.S. Koveos 2007. Development, survival and reproduction of the predatory mite *Kampimodromus aberrans* (Acari: Phytoseiidae) at different constant temperatures. *Environmental Entomology* 36(4): 657-665.
25. **Pappas M.L.**, Broufas G.D. and D.S. Koveos 2007. Effects of various prey species on development, survival and reproduction of the predatory lacewing *Dichochrysa prasina* (Neuroptera: Chrysopidae). *Biological Control* 43: 163-170.
26. Broufas G.D., **Pappas M.L.** and D.S. Koveos 2006. Effect of cold exposure and photoperiod on diapause termination of the predatory mite *Euseius finlandicus* (Acari: Phytoseiidae). *Environmental Entomology* 35 (5): 1216-1221.
27. **Pappas M.L.**, Broufas G.D. and D.S. Koveos 2005. Mating behaviour of the predatory mite *Kampimodromus aberrans* (Acari: Phytoseiidae). *Experimental and Applied Acarology* 36: 187-197.

Contributions to International Conferences: 37 abstracts in 23 international conferences

Contributions to National Conferences: 48 abstracts in 10 national conferences

Other publications: 1 laboratory guide on Entomology, 1 book translation, 3 fact sheets, 7 publications in Greek technical journals