

# CURRICULUM VITAE

**DIONYSIOS PERDIKIS**  
**Associate Professor in IPM**

Affiliation	Laboratory of Agricultural Zoology and Entomology, Agricultural University of Athens
Address	Iera Odos 75, 188 55, Athens, Greece
Phone	0030 210 529 4581
Fax	0030 210 529 4577
e-mail	dperdikis@aua.gr

## RESEARCH INTERESTS

Integrated Pest Management, biological control on insect pests, omnivorous predators, essential oils in insect pest control, Location Aware Systems, e-traps, functional agro-biodiversity

## STUDIES

Department of Crop Production Science of the Agricultural University of Athens (AUA). PhD on Insect Ecology – Biological Control. The title of my thesis was: “Studies on the biological parameters and food preferences of the polyphagous predator *Macrolophus pygmaeus* Rambur”. Supervisor: Professor Dionyssios Lykouressis. Seminars on Integrated Pest Management and Statistics.

## ACADEMIC EXPERIENCE

Lectures on subjects of: General and Systematic Entomology, Applied Entomology and Integrated Insect Pest Management and in the Postgraduate Programs on the Functional Biodiversity, Biological Control, Mass Rearing of Natural Enemies, IPM topics.

## PARTICIPATION IN PROJECTS

- REBECA (EU POLICY SUPPORT ACTION, Priority 8.1-FP6-SSA-4 REBECA).
- PYTHAGORAS II 2005-2007, “The Ecological Role of Biodiversity in Vegetable Agroecosystems”.
- “Intraguild Predation Among Biological Control Agents of Insect Pests: A New Approach with Considerable Practical Consequences in Quality Vegetable Production”.
- EPET II 453 that concerned the “Integrated Management of Aphids and Aphidborne Viruses on Vegetable and Other Crops”.
- Project of cooperation between Greece and Spain (IRTA INSTITUTE) entitled: “Polyphagous Native Predatory Bugs of the Families Miridae and Anthocoridae in Vegetable Crops”.

- “Integrated Management of *Phyllocnistis Citrella* Stainton (Lepidoptera : Gracillariidae), A New Pest of Citrus in Greece” that was funded by the Greek Ministry of Rural Development and Food.
- Member of the MANAGEMENT COMMITTEE of the COST ACTION FP 0901 “Analytical Techniques for Biorefineries”.
- HRAKLEITOS II “Studies on the effects of plant consumption, hunger level and intraguild predation on the prey consumption by omnivorous insect predators”,
- LIFE ENV/GR/000302 SAGE 10 “Establishment of Impact Assessment Procedure as a tool for the sustainability of agro-ecosystem: the case of Mediterranean olives”. (2012-2014). - I have been actively involved in the control of the new invasive tomato pest *Tuta absoluta* in Greece.
- Contributed in several activities in collaboration with the Greek Ministry of Rural Development and Food on IPM of vegetable and olive pests.
- Member of the MC of the COST Action FA 1105 “Towards a sustainable and productive EU organic greenhouse horticulture” – BIOGREENHOUSE
- Chair of the Quality Assurance and Monitoring Committee in the project: “Reshaping of Agricultural Vocational Studies in the Western Balkans – AGRIVOC” (2012-2015)
- Coordinator of the project: “Seminars in Agriculture-TRIPTOLEMOS” funded by the General Secretariat for Youth, Hellenic Republic Ministry of Education and Religious Affairs (2012-2013).
- Coordinator of the project: “Monitoring and damage prognosis and control of the processing tomato pests *Helicoverpa armigera* and *Tuta absoluta*” funded by the tomato industry (2014).
- A Location-aware System for Fruit Fly Monitoring and Pest Management Control FruitFlyNet Standard II-B/2.1/0865/ENPI CBC MED/EU.
- ERASMUS+: “Next destination Balkans: agritourism landscapes development”
- Terra Lemnia project

#### **CONVENOR OF AN IOBC/wprs WORKING GROUP**

(IOBC/wprs) Working Group: “Integrated Protection of Olive Crops” (2009-2018).

#### **PARTICIPATION IN CONGRESS ORGANIZATION**

Co-organizer (together with Dr Oscar Alomar (Spain)) of the Symposium entitled: "Predatory Heteroptera: Recent Advances and Future Needs" in the International Congress of Entomology (Durban, South Africa, 6-12 July 2008).

Chairperson of IOBC/WPRS WG on "Integrated Management of Pests in Protected Crops, Mediterranean Climate" at Chania, Crete, Greece (6-11 September 2009).

I have participated in the Organization Committees of the (IOBC/WPRS) conferences: “Integrated Control in Field Vegetable Crops”, that was held at Chania from 6-8 October 1997, “Integrated Protection of Olive Crops”, that was held at Chania from 29-31 May 2003, 12th Pan-Hellenic Entomological Congress, 13-16 November 2007, Larnaca, Cyprus, 14th Pan-Hellenic Entomological Congress, 11-14 October 2011, Nafplion, Greece.

Chairperson of the 17th Pan-Hellenic Entomological Congress, 19-22 September 2017, Athens, Greece.

## **ACTIONS FOR THE HELLENIC ENTOMOLOGICAL SOCIETY**

President (2014-2015) of the Governing Board of the Hellenic Entomological Society, General Secretary 2010-2013, member of the Governing Board in 2002-2003, 2007-2008. President (2020-)

### **CO-EDITOR**

Special issue entitled: "Heteropteran predators and their role in biological control in agroecosystems". *Biological Control* 59: 13-21. The issue consists of 9 papers.

Bulletins IOBC/wprs: vol. 49, 2009 / vol. 79, 2012 / vol. 108, 2014 / vol. 121, 2017 / vol. 141, 2019

Co-editor of the IOBC guidelines: "Guidelines for Integrated Production of Olives" IOBC wprs Bulletin Vol. 77, 2012, 2016.

### **MEMBER OF JOURNAL'S EDITORIAL BOARD**

Member of the editorial board of the journal: "Bulletin of Insectology" (<http://www.bulletinofinsectology.org>).

Member of the editorial board of the journal: "Insects"

Member of the editorial board of the journal: "Trends in Entomology"

Co-editor of the journal of the Hellenic Entomological Society "Entomologia Hellenica" (2014).

Contact person of the journal of the Hellenic Entomological Society "Entomologia Hellenica" (2011-2014).

### **INVITED SPEAKER IN CONFERENCES**

- Biodiversity Serving Agriculture, Organised by the European Commission Joint Research Center and Solagro, Ranco Italy, 3-6 July 2006
- Insect Pest Management in tomato crops (3rd National Congress for Crop Protection)
- Insect Pest Management in Organic Agriculture (4th National Congress for Crop Protection)
- Biological control of insect pests of vegetable crops in protected culture (Centre for Environmental Information)
- Biological control of Insect Pests of Ornamental plants (National Institute for Agricultural Studies)
- Biological Control of Insect Pests (International Fair for Agriculture)
- OLIVEBIOTEC 2011, Chania, 31 October – 4 November, Greece

### **PARTICIPATION IN CONGRESSES**

I have participated with presentation in 28 International and 18 Greek Congresses.

## **PUBLICATIONS**

**"Studies on the biological parameters and food preferences of the polyphagous predator *Macrolophus pygmaeus* (Rambur)". 2000. PhD Thesis. Agricultural University of Athens. 351p.**

**Publications in international scientific peer reviewed journals**

- B.1** Lykouressis D.P., Perdikis D.Ch., Chalkia Ch.A. and Vardaki S.C. 1993. Comparisons between alate aphids caught in yellow water traps and aphid populations on tomato plants. *Entomologia Hellenica* 11: 29 - 34.
- B.2** Lykouressis D.P. and Perdikis D.Ch. 1997. The phenology and abundance of certain species of *Orius* (Hemiptera: Anthocoridae) that occur in Greece. *Israel Journal of Entomology* 31: 47-54.
- B.3** Perdikis D.Ch., Lykouressis D.P. and Economou L.P. 1999. The influence of temperature, photoperiod and plant type on the predation rate of *Macrolophus pygmaeus* Rambur on *Myzus persicae*. *Biocontrol* 44: 281-289.
- B.4** Lykouressis D.P., Perdikis D.Ch. and Chalkia Ch.A. 1999-2000. The effects of natural enemies on aphid populations on processing tomato in central Greece. *Entomologia Hellenica* 13: 35-42.
- B.5** Perdikis D. and Lykouressis D. 2000. Effects of various items, host plants and temperatures on the development and survival of *Macrolophus pygmaeus* Rambur (Hemiptera: Miridae). *Biological Control* 17: 55-60.
- B.6** Lykouressis D., Perdikis D. and Tsagarakis A. 2000. Polyphagous mirids in Greece: Host plants and abundance in traps placed in some crops. *Bollettino del Laboratorio di Entomologia Agraria Filippo Silvestri* 56: 57-68.
- B.7** Lykouressis D.P., Drilias A.G. and Perdikis D.Ch. 2001. Distribution and seasonal abundance of *Otiorhynchus schlaeflini* Stierl. (Coleoptera, Curculionidae) in the soil of a vineyard. *Bollettino del Laboratorio di Entomologia Agraria Filippo Silvestri* 57: 113-121.
- B.8** Lykouressis D.P., Perdikis D.Ch. and Michalaki M.P. 2001. Nymphal development and survival of *Macrolophus pygmaeus* Rambur (Hemiptera: Miridae) on two eggplant varieties as affected by temperature and presence/absence of prey. *Biological Control* 20: 222-227.
- B.9** Perdikis D.Ch. and Lykouressis D.P. 2001-2002. Description of the egg and nymphal instars of *Macrolophus pygmaeus* Rambur (Hemiptera: Miridae). *Entomologia Hellenica* 14: 32-40.
- B.10** Koufos V.A. and Perdikis D.Ch. 2001-2002. Leaf preference of *Heliothrips haemorrhoidalis* (Thysanoptera: Thripidae) on *Viburnum tinus*. *Entomologia Hellenica* 14: 41-46.
- B.11** Perdikis D.Ch. 2002. A method for laboratory studies on the polyphagous predator *Macrolophus pygmaeus* Rambur (Hemiptera: Miridae). *Journal of Economic Entomology* 95: 44-49.
- B.12** Perdikis D.Ch. and Lykouressis D.P. 2002 $\alpha$ . Life table and biological characteristics of *Macrolophus pygmaeus* when feeding on *Myzus persicae* and *Trialeurodes vaporariorum*. *Entomologia Experimentalis et Applicata* 102 : 261-272.
- B.13** Perdikis D.Ch. and Lykouressis D.P. 2002 $\beta$ . Thermal requirements for development of the polyphagous predator *Macrolophus pygmaeus* (Hemiptera: Miridae). *Environmental Entomology* 31: 661-667.
- B.14** Lykouressis D.P., Perdikis D.Ch. and Chalkia C.A. 2002. Structure and trends

of aphids and some natural enemies populations in tomato crops. *Bollettino del Laboratorio di Entomologia Agraria Filippo Silvestri* 58: 49-62.

- B.15** Fantinou A.A., Perdikis D.Ch. and Chatzoglou C.S. 2003. Development of immature stages of *Sesamia nonagrioides* (Lepidoptera: Noctuidae) under alternating and constant temperatures. *Environmental Entomology* 32: 1337-1342.
- B.16** Margaritopoulos J.T., Tsitsipis J.A. and Perdikis D.Ch. 2003. Biological characteristics of the mirids *Macrolophus costalis* and *Macrolophus pygmaeus* preying on the tobacco form of *Myzus persicae* (Hemiptera: Aphididae). *Bulletin of Entomological Research* 93: 39-45.
- B.17** Perdikis D.Ch., Fantinou A.A. and Lykouressis D.P. 2003. Constant rate allocation in nymphal development in species of Hemiptera. *Physiological Entomology* 28: 331-339.
- B.18** Perdikis D.Ch., Margaritopoulos J.T., Stamatis C., Mamuris Z., Lykouressis D.P., Tsitsipis J.A. and Pekas A. 2003. Discrimination of the closely related biocontrol agents *Macrolophus melanotoma* (Hemiptera: Miridae) and *M. pygmaeus* using mitochondrial DNA analysis. *Bulletin of Entomological Research* 93: 507-514.
- B.19** Perdikis D.Ch. and Lykouressis D.P. 2003. *Aphis gossypii* as a factor inhibiting the survival and population increase of the predator *Macrolophus pygmaeus* on cucumber. *European Journal of Entomology* 100: 501-508.
- B.20** Fantinou A., Perdikis D. and Zota K. 2004. Reproductive responses to photoperiod and temperature by diapausing and nondiapausing populations of *Sesamia nonagrioides* Lef. (Lepidoptera-Noctuidae). *Physiological Entomology* 29: 169-175.
- B.21** Lykouressis D., Kapsaskis A., Perdikis D., Vatos A. and Fantinou A. 2004. Rates of population increase, abundance and life stage distribution of *Rhynchites cribripennis* (Desbr.) (Col.: Attelabidae) on trees and in the soil in an olive grove. *Journal of Economic Entomology* 97: 316-320. (
- B.22** Lykouressis D.P., Perdikis D.Ch. and Drilias A.G. 2004. Temporal dynamics of *Otiiorhynchus schlaeflini* (Coleoptera: Curculionidae) adults and damage assessment on two wine grape cultivars. *Journal of Economic Entomology* 97: 59-66.
- B.23** Lykouressis D., Perdikis D., Michalis C. and Fantinou A. 2004. Mating disruption of the pink bollworm *Pectinophora gossypiella* (Lepidoptera: Gelechiidae) using gossypure PB-rope dispensers in cotton fields. *Journal of Pest Science* 77: 205-210.
- B.24** Perdikis D.Ch. and Lykouressis D.P. 2004α. *Myzus persicae* (Homoptera: Aphididae) as a suitable prey for *Macrolophus pygmaeus* (Hemiptera: Miridae) population increase on pepper plants. *Environmental Entomology* 33: 499-505.
- B.25** Perdikis D. and Lykouressis D. 2004β. *Macrolophus pygmaeus* (Hemiptera: Miridae) population parameters and biological characteristics when feeding on eggplant and tomato without prey. *Journal of Economic Entomology* 97: 1291-1298.
- B.26** Perdikis D., Lykouressis D. and Economou L. 2004. Influence of light-dark

phase, host plant, temperature, and their interactions on the predation rate in an insect predator. *Environmental Entomology* 33: 1137-1144.

- B.27** Perdikis D.Ch., Lykouressis D.P., Garantonakis N.G. and Iatrou S.A. 2004. Instar preference and parasitization of *Aphis gossypii* and *Myzus persicae* (Hemiptera: Aphididae) by the parasitoid *Aphidius colemani* (Hymenoptera: Aphidiidae). *European Journal of Entomology* 101: 333-336.
- B.28** Katsarou I., Margaritopoulos J., Tsitsipis J., Perdikis D. and Zarpas K. 2005. Effect of temperature on development, growth and feeding of *Coccinella septempunctata* and *Hippodamia convergens* reared on the tobacco aphid, *Myzus persicae nicotianae*. *Biocontrol* 50: 565-588.
- B.29** Lykouressis D., Perdikis D., Samartzis D., Fantinou A. and Toutouzas S. 2005. Management of the pink bollworm *Pectinophora gossypiella* (Saunders) (Lepidoptera: Gelechiidae) by mating disruption in cotton fields. *Crop Protection* 24: 177-183.
- B.30** Katis N.I., Tsitsipis J.A., Lykouressis D.P., Papapanayotou A., Margaritopoulos J.T., Kokinis G.M., Perdikis D. and Manoussopoulos C. 2006. Transmission of *Zucchini yellow mosaic virus* by colonizing and non-colonizing aphids in Greece and new aphid species vectors of the virus. *Journal of Phytopathology* 154: 293-302.
- B.31** Gaspari M., Lykouressis D., Perdikis D. and Polissiou M. 2007. Nettle extract effects on the aphid *Myzus persicae* and its natural enemy, the predator *Macrolophus pygmaeus* (Hemiptera: Miridae). *Journal of Applied Entomology* 131: 652-657.
- B.32** Kalaitzaki A.P., Lykouressis D.P., Perdikis D.Ch. and Alexandrakis V.Z. 2007. Effect of temperature on development and survival of the parasitoid *Pnigalio pectinicornis* (Hymenoptera: Eulophidae) reared on *Phyllocnistis citrella* (Lepidoptera: Gracillariidae). *Environmental Entomology* 36: 497-505.
- B.33** Lykouressis D., Perdikis D. and Gaspari M. 2007. Prey preference and biomass consumption by *Macrolophus pygmaeus* (Hemiptera: Miridae) on *Myzus persicae* and *Macrosiphum euphorbiae* (Hemiptera: Aphididae). *European Journal of Entomology* 104: 199-204.
- B.34** Perdikis D., Favas Ch., Lykouressis D. and Fantinou A. 2007. Ecological relationships between non-cultivated plants and insect predators in agroecosystems: the case of *Dittrichia viscosa* (Asteraceae) and *Macrolophus caliginosus* (Hemiptera: Miridae). *Acta Oecologica* 31: 299-306.
- B.35** Tsitsipis J.A., Katis N.I., Margaritopoulos J.T., Lykouressis D.P., Avgelis A. D., Gargalianou I., Zarpas, K.D., Perdikis, D.Ch., Papapanayotou A. 2007. A contribution to the aphid fauna of Greece. *Bulletin of Insectology* 60: 31-38.
- B.36** Lykouressis D., Perdikis D. and Biba A. 2007-2008. Contribution to the ecological management of the seed chalcid wasp *Eurytoma plotnikovi* Nikol'skaya (Hymenoptera: Eurytomidae) in pistachio orchards. *Entomologia Hellenica* 17: 34-41.
- B.37** Perdikis D., Lykouressis D., Mitropoulou G. and Tsiantis P. 2007-2008. Temporal asynchrony, spatial segregation and seasonal abundance of aphids on apple trees. *Entomologia Hellenica* 17: 12-27.

- B.38** Fantinou A.A., Perdikis D.Ch., Maselou D.A. and Lambropoulos P.D. 2008. Prey killing without consumption: Does *Macrolophus pygmaeus* show adaptive foraging behaviour? *Biological Control* 47: 187-193.
- B.39** Fantinou A.A., Perdikis D.Ch. and Stamogiannis N. 2008. Effect of larval crowding on the life history traits of *Sesamia nonagrioides* (Lepidoptera: Noctuidae). *European Journal of Entomology* 105: 625-630.
- B.40** Lykouressis D., Giatropoulos A., Perdikis D. and Favas C. 2008. Assessing the suitability of non-cultivated plants and associated insect prey as food sources for the omnivorous predator *Macrolophus pygmaeus* (Hemiptera: Miridae). *Biological Control* 44: 142-148.
- B.41** Lykouressis D., Garantonakis N., Perdikis D., Fantinou A. and Mauromoustakos A. 2009. Effect of female size on host selection by a koinobiont insect parasitoid (Hymenoptera: Braconidae: Aphidiinae). *European Journal of Entomology* 106: 363-367.
- B.42** Perdikis D., Fantinou A., Garantonakis N., Kitsis P., Maselou D. and Panagakis S. 2009. Studies on the damage potential of the predator *Nesidiocoris tenuis* on tomato plants. *Bulletin of Insectology* 62: 41-46.
- B.43** Perdikis D., Garantonakis N., Giatropoulos A., Paraskevopoulos A., Lykouressis D. and Kitsis P. 2009. Damage evaluation of *Rhynchites cribripennis* (Col., Attelabidae) in olive fruits. *Journal of Applied Entomology* 133: 512-517.
- B.44** Garantonakis N., Perdikis D., Lykouressis D., Kourti A. and Gkouvitass Th. 2009. Studies on the identity of the parasitoids *Aphidius colemani* and *Aphidius transcaspicus* (Hymenoptera: Braconidae). *European Journal of Entomology* 106: 491-498.
- B.45** Fantinou A.A., Perdikis D.Ch., Labropoulos P. and Maselou D. 2009. Preference and consumption of *Macrolophus pygmaeus* preying on mixed instar assemblages of *Myzus persicae*. *Biological Control* 51: 76-80.
- B.46** Perdikis D., Garantonakis N., Kitsis P., Giatropoulos A., Paraskevopoulos A., G. Cassis and Panagakis S. 2009. Studies on the damage potential of *Closterotomus trivialis* Costa and *Aphanosoma italicum* Costa (Hemiptera: Miridae) on olive fruit setting. *Bulletin of Insectology* 62: 215-219.
- B.47** Lykouressis D.P., Perdikis D.C. and Konstantinou A.D. 2009. Predation Rates of *Macrolophus pygmaeus* (Hemiptera: Miridae) on Different Densities of Eggs and Nymphal Instars of the Greenhouse Whitefly *Trialeurodes vaporariorum* (Homoptera: Aleyrodidae). *Entomologia Generalis* 32: 105-112.
- B. 48** Perdikis D., Panagakis S. and Maselou D. 2010. Studies on the damage potential of *Closterotomus (=Calocoris) trivialis* and *Aphanosomaitalicum* (Hemiptera: Miridae) on citrus. *Journal of Pest Science* 83: 113-119.
- B. 49** Perdikis, D., Lykouressis, D., Paraskevopoulos, A., Harris, K.M. 2011. A new insect pest, *Lasioptera* sp. (Diptera: Cecidomyiidae), on tomato and cucumber crops in glasshouses in Greece EPPO Bulletin 41 (3), pp. 442-444.
- B. 50** Tsagkarakis, A.E. Perdikis, D.CH., Lykouressis, D.P. 2011. Seasonal abundance and within tree spatial distribution of *Phyllocnistis citrella*.

Entomologia Generalis 33: 165-174.

- B. 51** Fantinou, A.A., Baxevani, A., Drizou, F., Labropoulos, P., Perdikis, D. and Papadoulis, G. 2012. Consumption rate, functional response and preference of the predaceous mite *Iphiseius degenerans* to *Tetranychus urticae* and *Eutetranychus orientalis*. *Experimental and Applied Acarology*, 58:133–144.
- B. 52** Lykouressis D., Perdikis D. and Kallioras Ch. 2012. Selection of *Macrolophus melanotoma* between its main noncrop host plant (*Dittrichia viscosa*) and eggplant, pepper and tomato, in choice experiments. *Entomologia Hellenica* 21: 3-12.
- B. 53** Tsagkarakis, A.E., Perdikis D. and Lykouressis D. 2013. Introduced and native parasitoids of *Phyllocnistis citrella* Stainton (Lepidoptera: Gracillariidae) in Greece: Initial results after release. *Phytoparasitica* 41:417–428.
- B. 54** Evangelou, V.I., Bouga, M., Emmanouel, N.G., Perdikis, D.Ch., Papadoulis, G.Th. 2013. Discrimination of two natural biocontrol agents in the Mediterranean region based on mitochondrial DNA sequencing data. *Biochemical Genetics*, 11-12: 825-840.
- B. 55** Perdikis, D., N. Garantonakis, P. Kitsis, A. Paraskevopoulos and D. Lykouressis. 2013. On the relationship between the infestation level of *Rhynchites cribripennis* (Coleoptera: Attelabidae) and respective yield-losses on olives. *Entomologia Generalis* 34: 215-223.
- B. 56** Lampropoulos, P.D., Perdikis, D.Ch., Fantinou, A.A. 2013. Are multiple predator effects directed by prey availability? *Basic and Applied Ecology* 14: 605–613.
- B. 57** Lykouressis, D., D. Perdikis and P. Charalampous. 2014. Plant food effects on prey consumption by the omnivorous predator *Macrolophus pygmaeus*. *Phytoparasitica* 42: 303–309.
- B. 58** Perdikis, D., Lucas E., Garantonakis N., Giatropoulos A., Kitsis P., Maselou D., Panagakis S., Paraskevopoulos A., Lykouressis D. and Fantinou A. 2014. Intraguild predation between two omnivorous predatory bugs and its implications in biological control. *Biological Control* 70: 35–41.
- B. 59** Petrakis, E.A., A.C. Kimbaris, D.Ch. Perdikis, D.P. Lykouressis, P.A. Tarantilis, M.G. Polissiou. 2014. Responses of *Myzus persicae* (Sulzer) to three Lamiaceae essential oils obtained by microwave-assisted and conventional hydrodistillation. *Industrial Crops and Products* 62: 272–279.
- B. 60** Maselou, D.A., D. Perdikis, M.W. Sabelis, A.A. Fantinou. 2014. Use of plant resources by an omnivorous predator and the consequences for effective predation. *Biological Control* 79: 92-100.
- B. 61** Tsiligiridis, T., C. Pontikakos, D. Perdikis. 2014. Architectural issues of a location-aware system applied in fruit fly E-monitoring and spraying control. *Agris On-line Papers in Economics and Informatics* 6: 195-207.
- B. 62** Petrakis, E.A., A.C. Kimbaris, D.P. Lykouressis, M.G. Polissiou, D.Ch. Perdikis. 2015. Hydrosols evaluation in pest control: Insecticidal and settling inhibition potential against *Myzus persicae* (Sulzer). *Journal of Applied Entomology* 139: 260-267.



- B. 63** Maselou D., Perdikis D. and Fantinou A. 2015. Effect of hunger level on prey consumption and functional response of the predator *Macrolophus pygmaeus*. Bulletin of Insectology 68: 211-218.
- B. 64** Maselou D., Perdikis D.Ch., Sabelis M.W. and Fantinou A.A. 2015. Plant Resources as a Factor Altering Emergent Multi-Predator Effects. PLoS ONE 10(9):e0138764.doi:10.1371/journal.pone.0138764
- B. 65** Chatzivassiliou E.K., Papapanagiotou A.P., Mpenardis P.D., Perdikis D.C. and Menexes G. 2016. Transmission of Moroccan watermelon mosaic virus (MWMV) by aphids in Greece. Plant Disease 100: 601-606.
- B. 66** Lykouressis D., Perdikis D. and Mandarakas I. 2016. Partial consumption of different species of aphid prey by the predator *Macrolophus pygmaeus* (Hemiptera: Miridae). European Journal of Entomology 113: 345-351.
- B. 67** Perdikis D. and Arvaniti K. 2016. Nymphal development on plant vs. leaf with and without prey for two omnivorous predators: *Nesidiocoris tenuis* (Reuter, 1895) (Hemiptera: Miridae) and *Dicyphus errans* (Wolff, 1804) (Hemiptera: Miridae). Entomologia Generalis, 35: 297–306.
- B. 68** Tsagkarakis A.E., Babili R., Harizanis P. and Perdikis D.Ch. 2016. Extracts of *Melia azedarach* increases mulberry whitefly mortality without affecting silkworm survivorship. Advances in Entomology 4: 293-298.
- B. 69** Wang J.-R., Perdikis D., Chalkia Ch., Harizanis P., Kalaitzaki A., Tsagkarakis A., Xua Z.-H., & Dub Y.-Z. 2016. The occurrence of *Pealius mori* (Takahashi), *Pealius machili* Takahashi and *Paraleyrodes minei* Iaccarino (Hemiptera: Aleyrodidae) infesting *Morus alba* L. in Greece Annales de la Société Entomologique de France 52: 281–288.
- B. 70** Perdikis D.Ch., Arvaniti K., Paraskevopoulos A. and Grigoriou A. 2015. Pre-plant release enhanced the earlier establishment of *Nesidiocoris tenuis* in open field tomato. Entomologia Hellenica 24: 11-21.
- B. 71** Perdikis D.Ch., Arvaniti K. and Papadimitriou D., 2016. Effects of sticky traps on *Dacnusa sibirica*, *Diglyphus isaea* and *Nesidiocoris tenuis*. Entomologia Hellenica 25: 1-11.
- B. 72** Gogoi A., Sarmah N., Kaldis A., Perdikis D. Voloudakis A. 2017. Plant insects and mites uptake double-stranded RNA upon its exogenous application on tomato leaves. Planta. 246:1233-1241.
- B. 73** Shaked B., Amore A., Ioannou C., Valdés F., Alorda B., Papanastasiou S., Goldshtein E., Shenderey C., Leza M., Pontikakos C., Perdikis D., T. Tsiligiridis T., Tabilio M.R., Sciarretta A., Barceló C., Athanassiou C., Miranda M.A., Alchanatis V., Papadopoulos N., Nestel D. 2018. Electronic traps for detection and population monitoring of adult fruit flies (Diptera: Tephritidae). Journal of Applied Entomology, 142: 43–51.
- B. 74** Traka C.K., Petrakis E.A., Kimbaris A.C., Polissiou M.G., and Perdikis D.C. 2018. Effects of *Ocimum basilicum* and *Ruta chalepensis* hydrosols on *Aphis gossypii* and *Tetranychus urticae*. Journal of Applied Entomology, 142: 413-420.
- B. 75** Devee A., Arvaniti A. and Perdikis D. 2018. Intraguild predation among three aphidophagous predators. Bulletin of Insectology 71: 11-19.

- B. 76** Kalaitzaki, A.P., Tsagarakis, A.E., Perdikis, D. and Lykouressis, D.P. 2018. Effect of temperature, host plant, and host instar on the development and survival of the parasitoid *Semiolacher petiolatus*. *Bulletin of Insectology*, 71: 151-158.
- B. 77** Paraskevopoulou, A.T., Spentzas, A., Lahaniotis, K., Karapanos, I., Perdikis, D., Londra, P. 2017. The establishment of a wildflower meadow "designed" for people to harvest. *Acta Horticulturae* 1189: 119-124.
- B. 78** Maselou, D.A., Perdikis, D.C., Fantinou, A.A. 2018. Prey-mediated changes in the selectivity of the predator *Macrolophus pygmaeus* (Heteroptera: Miridae). *Entomological Science* 21(3), pp. 260-269.
- B. 79** Arvaniti, K.A., Fantinou, A.A., Perdikis, D.C. 2018. Plant and supplementary food sources effect the development of *Dicyphus errans* (Hemiptera: Miridae). *Applied Entomology and Zoology* 53(4), pp. 493-499
- B. 80** Tsagkarakis, A.E., Afentoulis, D.G., Matared, M., (...), Zarboutis, I., Perdikis, D.Ch. 2018. Identification and Seasonal Abundance of Auchenorrhyncha with a Focus on Potential Insect Vectors of *Xylella fastidiosa* in Olive Orchards in Three Regions of Greece. *Journal of Economic Entomology* 111(6), pp. 2536-2545
- B. 81** Arvaniti, K., Fantinou, A., Perdikis, D. 2019. Cannibalism among same-aged nymphs of the omnivorous predator *Dicyphus errans* (Hemiptera: Miridae) is affected by food availability and nymphal density. *European Journal of Entomology* 116, pp. 302-308
- B. 82** Kavetsou, E., Koutsoukos, S., Daferera, D., Polissiou, M., Karagiannis D., Perdikis, D., Detsi, A. 2019. Encapsulation of *Mentha pulegium* essential oil in yeast cell microcarriers: an approach to environmentally friendly pesticides. *Journal of Agricultural and Food Chemistry* 67(17), pp. 4746-4753
- B. 83** Papadimitriou, D.M., Petrakis, E.A., Arvaniti, K.A., Kimbaris, A., Polissiou, M.G., Perdikis, D.C. 2019. Comparative bioactivity of essential oils from two *Mentha pulegium* (Lamiaceae) chemotypes against *Aphis gossypii*, *Aphis spiraeicola*, *Tetranychus urticae* and the generalist predator *Nesidiocoris tenuis* *Phytoparasitica* 47(5), pp. 683-692
- B. 84** Sarmah, N., Devee, A., Perdikis, D. 2019. *Macrolophus pygmaeus* (Hemiptera: Miridae) foraging on tomato leaves from different plant strata. *Phytoparasitica* 47(5), pp. 663-670
- B. 85** Mondani, L., Palumbo, R., Tsitsigiannis, D., Perdikis, D., Mazzoni, E., Battilani, P. 2020. Pest management and ochratoxin a contamination in grapes: A review. *Toxins* 12(5), 303
- B. 86** Chalkia, C., Vavoulidou, E., Koubouris, G., Chatzipavlidis, I., Kalaitzaki, A., Perdikis, D. 2020. Spreading raw olive mill wastewater is compatible with the growth and the beneficial functions of the earthworm *Octodrilus complanatus*. *Applied Soil Ecology* 153,103625

#### **Review papers:**

- a. Perdikis D., Kapaxidi E. and Papadoulis G. 2008. Biological Control of Insect and Mite Pests in Greenhouse Solanaceous Crops. In: Harold Passam, Guest Editor, *The Fruiting Species of the Solanaceae*. The European

Journal of Plant Science and Biotechnology, Vol. 2, Special Issue 1, pp. 125-144.

- b. Perdikis D., Fantinou A. and Lykouressis D. 2011. Enhancing pest control in annual crops by conservation of predatory Heteroptera. Guest Editors: Dionyssios Perdikis and Oscar Alomar. *Biological Control* 59: 13-21.

**Book chapter:**

Kari Tiilikkala, Isa Lindqvist, Marleena Hagner, Heikki Setälä and Dionyssios Perdikis. 2011. Use of Botanical Pesticides in Modern Plant Protection, *Pesticides in the Modern World - Pesticides Use and Management*, Dr. Margarita Stoytcheva (Ed.), ISBN: 978-953-307-459-7, InTech, DOI: 10.5772/17737. pp. 259-272. Available from: <http://www.intechopen.com/books/pesticides-in-the-modern-world-pesticides-use-and-management/use-of-botanical-pesticides-in-modern-plant-protection>

He is a co-author in 83 articles in peer-review journals (h = 21 with 874 citations, excluding self-citations of all authors in Scopus), in a total of 252 papers or abstracts.