

CURRICULUM VITAE

KOSTAS D. ZARPAS

University of Thessaly, Department of Agriculture, Crop Production and Rural Environment, Laboratory of Entomology and Agricultural Zoology
Fytokou Str., 384 46, Nea Ionia, Magnesia, Greece
Tel. +3024210 93284, FAX: +3024210 93144
E-mail: kzarp@agr.uth.gr

STUDIES

1. University of Thessaly, Department of Agriculture, Crop Production and Rural Environment. 1990-1995, BSc
2. University of Thessaly, Department of Agriculture, Crop Production and Rural Environment. 2006, PhD (Entomology)

LANGUAGES

Greek, English, German (limited)

SCHOLARSHIPS

1. Scholarship obtained by The National State Scholarships Foundation during his first two years of studies (1990-1992) at the Department of Agriculture, Crop Production and Rural Environment, University of Thessaly.
2. Scholarship obtained by The Research Committee, University of Thessaly, in the framework of his PhD research (1999-2000).

PROFESSIONAL EXPERIENCE

1. He conducted a 2-month practical training (University obligatory training) (July-August 1994) at the Plant Protection Institute, National Foundation of Agricultural Research, Volos, Greece. He worked in field experimentation and in the laboratory regarding insect pests and plant protection.
2. He worked voluntarily in the Laboratory of Agrometeorology, University of Thessaly (1993-1995) occupied with several research fields (e.g. climatology, agrometeorology, etc) and he participated in the EU projects COST 77 (Sept. 1995 – Jan. 1996) and he worked at the organization / secretariat section of the International Symposium in Agrometeorology and Agroclimatology, 24-26 April 1996, University of Thessaly, Volos, Greece
3. From May 1996 until May 2000 he worked as a research assistant at the Laboratory of Entomology and Agricultural Zoology in the following Research Programs: EPET II-453, "Aphids and Aphid-borne viruses" (General Secretariat of Research and Technology, GGET), 96/T/18 "Management of insect pests and tobacco viruses using ecologically compatible technologies (E.U.)", "Study of the biology of cotton pink bollworm and the effect of chemical applications on other insects", Zeneca Hellas, Greece and "Study of the scarring symptom on seedless grapes in the Corinth region", Ministry of Agriculture, Greece.
4. He carried out his military service from May 2000 until January 2002, when he was partially employed in the Laboratory of Entomology and Agricultural Zoology of the University of Thessaly.
5. From January 2002 until July 2002 he was occupied as a research assistant in the framework of the EU project 96/T/18 "Management of insect pests and tobacco viruses using ecologically compatible technologies".

6. From July 2002 until today he works as a permanent employee at the Laboratory of Entomology and Agricultural Zoology of the University of Thessaly.
7. He has participated in 6 research projects of the Greek Ministry of Education, Agriculture and the General Secretariat for Research and Technology of Greece (2004-2010).
8. He has participated as research team member in the project: "Monitoring *Diabrotica virgifera* LeConte and *Drosophila suzukii* Matsumura in Greece" (Benaki Phytopathological Institute & Ministry of Agriculture, 2009-2013).
9. He worked as an adjunct lecturer and Laboratory Teaching Staff in the University of Thessaly, Department of Agriculture, Crop Production and Rural Environment teaching *General Entomology* (spring semesters of 2008-2014), *Applied Entomology* (spring semesters of 2012-2014) and *Agricultural Zoology* (winter semesters of 2011-2013).
10. From 5.6.2014 he works as Teaching Assistant (Laboratory Teaching Staff).

TRAINING

He participated in a F.A.O. / I.A.E.A. Regional Training Course on "Area-Wide Integrated Fruit Fly Suppression, including MAT and SIT for Balkans and Eastern Mediterranean" (Technical Cooperation Project C7-RER 5018.003) held in Metkovic, Croatia on 7-11 October 2013.

PUBLICATIONS

PhD THESIS

Zarpas, K.D. (2006) Study on the population dynamics of the aphid *Aphis gossypii* Glover. *PhD Thesis*, University of Thessaly, Nea Ionia, Magnesia, Greece.

PUBLICATIONS IN INTERNATIONAL SCIENTIFIC JOURNALS (with referees-peer reviewed papers)

1. Goundoudaki, S., Tsitsipis, J.A., Margaritopoulos, J.T., **Zarpas, K.D.** & Divanidis, S. (2003) Performance of the tobacco aphid *Myzus persicae* (Hemiptera: Aphididae) on Oriental and Virginia tobacco varieties. *Agricultural and Forest Entomology* **5**, 285-291.
2. Katsarou, I., Margaritopoulos, J.T., Tsitsipis, J.A., Perdikis, D.Ch. & **Zarpas, K.D.** (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.
3. Tsitsipis, J.A., Angelakis, E., Margaritopoulos, J.T., Tsamandani, K. & **Zarpas, K.D.** (2005) First record of the grapevine aphid *Aphis illinoensis* in the island of Kriti, Greece. *EPPO Bulletin* **35**, 541-542.
4. Margaritopoulos, J.T., Tzortzi, M., **Zarpas, K.D.**, Tsitsipis, J.A. & Blackman, R.L. (2006) Morphological discrimination of *Aphis gossypii* (Hemiptera: Aphididae) populations feeding on Compositae. *Bulletin of Entomological Research* **96**, 153-165.
5. Poupolidou, D., Margaritopoulos, J.T., Kephalogianni, T.E., **Zarpas, K.D.** & Tsitsipis, J.A. (2006) Development of partially sexual life cycle categories, androcyclic and intermediate, under different temperatures and photoperiodic regimes in lineages of *Myzus persicae nicotianae* and *Myzus persicae* s.str. (Hemiptera: Aphididae). *European Journal of Entomology* **103**, 337-346.
6. Subchev, M., Toshova, T., Tsitsipis, J.A., **Zarpas, K.D.** & Margaritopoulos, J.T. (2006) Distribution and seasonal flight of *Theresimima ampelophaga* Bayle-

- Barella in Greece estimated by pheromone traps. *Acta Zoologica Bulgarica* **58**, 345-354.
7. **Zarpas, K.D.**, Margaritopoulos, J.T., Stathi, L. & Tsitsipis, J.A. (2006) Performance of cotton aphid *Aphis gossypii* (Hemiptera: Aphididae) lineages on cotton varieties. *International Journal of Pest Management* **52**, 225-232.
 8. 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.
 9. Margaritopoulos, J.T., Skouras, P.J., Nikolaïdou, P., Manolikaki, J., Maritsa, K., Tsamantani, K., Kanavaki, O.M., Bacandritsos, N., **Zarpas, K.D.** & Tsitsipis, J.A. (2007) Insecticide resistance status of *Myzus persicae* (Hemiptera: Aphididae) populations from peach and tobacco in mainland Greece. *Pest Management Science* **63**, 821-829.
 10. **Zarpas, K.D.**, Margaritopoulos, J.T. & Tsitsipis, J.A. (2007) Life histories of generalist predatory species, control agents of the cotton aphid *Aphis gossypii* (Hemiptera: Aphididae). *Entomologia Generalis* **30**, 85-102.
 11. Margaritopoulos, J.T., Tzortzi, M., **Zarpas, K.D.** & Tsitsipis, J.A. (2009) Predominance of parthenogenetic reproduction in *Aphis gossypii* populations on summer crops and weeds in Greece. *Bulletin of Insectology* **62**, 15-20.
 12. Michaelakis, A.N., Papadopoulos, N.T., Antonatos, S.A., **Zarpas, K.** & Papachristos, D.P. (2010) First data on the occurrence of *Diabrotica virgifera virgifera* Le Conte (Coleoptera: Chrysomelidae) in Greece. *Hellenic Plant Protection Journal* **3**, 29-32 (short communication).
 13. Moraiti C.A., Margaritopoulos, J.T., **Zarpas, K.D.** & Tsitsipis, J.A. (2012) The grapevine aphid, *Aphis illinoiensis*: thermal requirements for development and its performance on six grapevine cultivars. *Bulletin of Insectology* **65**, 29-35.
 14. Papapanagiotou, A.P., Nathanaïlidou, M., Taylor, M., **Zarpas, K.D.**, Voudouris, K., Tsitsipis, J.A. & Margaritopoulos, J.T. (2012) New records of aphid species (Hemiptera: Aphididae) in Greece. *Entomologia Hellenica* **21**, 54-68.
 15. Skouras, P.J., Margaritopoulos, J.T., **Zarpas, K.D.** & Tsitsipis, J.A. Development, growth, feeding and reproduction of *Ceratomegilla (Semiadalia) undecimnotata*, *Hippodamia variegata* and *Coccinella septempunctata* fed on the tobacco aphid, *Myzus persicae nicotianae*. *Phytoparasitica* (accepted-revised).

PUBLICATIONS IN INTERNATIONAL SCIENTIFIC JOURNALS (non peer-reviewed)

1. Tsitsipis, J.A., Giatropoulos, K., Papathanassiou, E., Peka, A., Gliatis, A., Paragioutsikos, A., Margaritopoulos, J.T. & **Zarpas, K.D.** (2003) Control of *Lobesia botrana* (Lepidoptera: Tortricidae) by the mating disruption technique in two vineyards in central Greece. *IOBC WPRS Bulletin* **26**, 155-158.
2. Tsitsipis, J.A., Roditakis, N., Michalopoulos, G., Palivos, N., Pappas, D., **Zarpas, K.D.**, Jenser, G., Vaggelas, J. & Margaritopoulos, J.T. (2003) A novel scarring symptom on seedless grapes in the Corinth region (Peloponnese, southern Greece) caused by the western flower thrips, *Frankliniella occidentalis*, and pest control tests. *IOBC WPRS Bulletin* **26**, 259-263.
3. Tsitsipis, J.A., Sannino, L., Lahoz, E., Tarantino, P., Margaritopoulos, J.T. & **Zarpas, K.D.** (2004) Aphid species identification, population monitoring. *II Tabacco* **12**, 10-20 (in Italian).
4. Margaritopoulos, J.T., **Zarpas, K.D.** & Tsitsipis, J.A. (2004) Effect of natural enemies (predators-parasitoids) on the management of *Myzus persicae*. *II Tabacco* **12**, 46-49 (in Italian).

OTHER PUBLICATIONS IN GREEK (non peer-reviewed)

1. Aggelakis, E., Tsitsipis, J.A., Margaritopoulos, J.T., Tsamandani, K. & **Zarpas, K.D.** (2005) First occurrence in Greece and Europe of an American insect pest:

- the grapevine aphid, *Aphis illinoiensis* Shimer. *Georgia-Ktinotrofia (Agrotypos Pub.)* **16(6)**, 37-38.
2. Margaritopoulos, J.T., Skouras, P.I., **Zarpas, K.D.** & Tsitsipis, J.A. (2006) Current status of insecticide resistance of *Myzus persicae* and *Bactrocera oleae*: problems and perspectives toward their management. *Georgia-Ktinotrofia (Agrotypos Pub.)* **17(7)**, 46-52.
 3. Skouras, P.I., **Zarpas, K.D.**, Margaritopoulos, J.T. & Tsitsipis, J.A. (2008) Recording of aphidophagous coccinellids on various crops of Greece. *Georgia-Ktinotrofia (Agrotypos Pub.)* **19(7)**, 38-41.
 4. Papadopoulos, N.T., Stavridis, D.G., **Zarpas, K.D.** & Diamantidis, A.D. (2012) The Mediterranean fruit fly, *Ceratitis capitata*: current status in Greece and planning its management. *Georgia-Ktinotrofia (Agrotypos Pub.)* **23(7)**, 38-46.

PUBLICATIONS IN PROCEEDINGS OF NATIONAL AND INTERNATIONAL SCIENTIFIC MEETINGS

1. Dalezios, N.R. & **Zarpas, C.D.** (1995) Monitoring Major Crops in Greece by using NDVI and Meteorological Indices. In *Proceedings of COST 77 European Workshop on Remote Sensing in Agrometeorology*, 19-21 September 1995 Budapest, Hungary.
2. Dalezios, N.R. & **Zarpas, C.D.** (1996) The Role of NDVI and Meteorological Indices in the Phenology of Cotton, Vineyards and Apples in Greece. In *Proceedings of International Symposium on Applied Agrometeorology and Agroclimatology*, 24-26 April 1996 Volos, Greece.
3. Petrakis, M., Kassomenos, P., Lykoudis, S., Kartalis, C., Deligiorgi, D., Feidas, C., Chrysoulakis, N., Dalezios, N., **Zarpas, C.**, Mathioudi, M., Toulios, I., Glezakos, T., Sifakis, H., Tibas, K. & Pantalos, N. (1996) Use of Earth Observation for Agriculture. In *Proceedings of International Symposium on Applied Agrometeorology and Agroclimatology*, 24-26 April 1996 Volos, Greece.
4. Spanos, S.I. & **Zarpas, K.D.** (1996) The Role of meteorological parameters in the forecast and management of fungal diseases of vines. In *Proceedings of the 8th Hellenic Meeting of the Greek Phytopathological Society*, 22-24 October 1996 Heraclion, Crete, Greece.
5. Spanos, S.I., **Zarpas, C.D.** & Dalezios, N.R. (1996) Meteorological and Satellite Indices for the Assessment of Forest Fires. pp. 583-588. In *Proceedings of International Symposium on Applied Agrometeorology and Agroclimatology*, 24-26 April 1996 Volos, Greece.
6. Tsitsipis, J. A., **Zarpas, K.** & Margaritopoulos, J. T. (1999) Insect pest problems in Greece. in Denholm, I. & Ioannidis, F. (Ed.) *Combating Insecticide Resistance (ENMARIA)*. Agrotypos S.A., Marousi, Athens, pp. 7-25.
7. Tsitsipis, J.A., Margaritopoulos, J.T., Smart, L.E., Pye, B.J., Panagiotaki, E.S., **Zarpas, K.D.**, Tomara, N. & Vaggelas, J. (2000) Chemical control of aphid populations on cotton by hydraulic and electrostatic sprayer and aphid alarm pheromone. pp. 743-746. In Gillham, F.M. (Ed.). *Proceedings of the World Cotton Research Conference-2. New Frontiers in Cotton Research*. 6-12 September, 1998, Athens, Greece. P. Petridis. Thessaloniki.
8. Karabatsas, K., Tsitsipis, J.A., **Zarpas, K.D.**, Furlan, L. & Tóth, M. (2001) Seasonal fluctuation of adult and larvae *Agriotes* spp. (Coleoptera: Elateridae) in central Greece. In *Proceedings of XXIth IWGO CONFERENCE*, 27 Oct-3 Nov 2001 Venice, Italy, pp. 269-275.
9. Katsarou, I., Tsitsipis, J.A., Kalogiannis, N., Margaritopoulos, J.T., Ragou, V. & **Zarpas, K.** (2001) Study on the demographic parameters of the aphidophagous predators *Hippodamia convergens* Guerin-Meneville and *Coccinella septempunctata* L. at constant temperatures. In *Proceedings of the 9th Entomological Conference organized by the Hellenic Entomological Society*, 13-16 November 2001 Ioannina, Greece (in press).

10. Tzortzi, M., Margaritopoulos, J. T., **Zarpas, K.D.**, Tsamantani, K., Skouras, P. & Tsitsipis, J.A. (2004) Morphological variation of parthenogenetic lineages of the aphid *Aphis gossypii* Glover (Hemiptera: Aphididae), originating from different host-plants. In *Proceedings of the 10th Entomological Conference organized by the Hellenic Entomological Society*, 4-7 November 2003 Heraclion, Crete, Greece (in press).
11. Margaritopoulos, J.T., Skouras, P.I., Maritsa, A., Kanavaki, O.M., Tsamandani, K., **Zarpas, K.D.** & Tsitsipis, J.A. (2007) Insecticide resistance in *Myzus persicae* (Sulzer) (Hemiptera: Aphididae). Prospects for pest management. pp. 373-375. In *Proceedings of the 12th Entomological Conference organized by the Hellenic Entomological Society*, 13-16 November 2007 Larnaca, Cyprus (extended summary).
12. Skouras, P.I., Margaritopoulos, J.T., **Zarpas, K.D.** & Tsitsipis, J.A. (2007) Study on the demographic traits in predatory coccinellid species. pp. 182-184. In *Proceedings of the 12th Entomological Conference organized by the Hellenic Entomological Society*, 13-16 November 2007 Larnaca, Cyprus (extended summary).
13. **Zarpas, K.D.**, Nathanailidou, Tsitsipis, J.A. & Margaritopoulos, J.T. (2009) A contribution to the aphid fauna of Greece. Records of new aphid species. pp. 107-109. In *Proceedings of the 13th Entomological Conference organized by the Hellenic Entomological Society*, 3-6 November 2009 Alexandroupoli, Greece (extended summary).
14. Margaritopoulos, J.T., Gotosopoulos, V., Voudouris, C.Ch., Fantinou, A.A., **Zarpas, K.D.** & Tsitsipis, J.A. (2009) Study on the population genetics of *Sesamia nonagrioides* (Lepidoptera: Noctuidae). pp. 205-207. In *Proceedings of the 13th Entomological Conference organized by the Hellenic Entomological Society*, 3-6 November 2009 Alexandroupoli, Greece (extended summary).
15. Fezos, V.S., Tsitsipis, J.A. & **Zarpas, K.D.** (2009) Studying insect pests of olive groves in Western Greece. pp. 103-104. In *Proceedings of the 13th Entomological Conference organized by the Hellenic Entomological Society*, 3-6 November 2009 Alexandroupoli, Greece (extended summary).
16. Papadopoulos, N.T., Stavridis, D.G. & **Zarpas, K.D.** (2010) The Mediterranean Fruit Fly in Greece: current status and planning its management. pp. 23-38. In *Proceedings of the 5th National Meeting of Crop Protection*, 23-25 February 2010 Larisa, Greece.
17. Moraiti, C.A., Margaritopoulos, J.T., **Zarpas, K.D.** & Tsitsipis, J.A. (2011) The grapevine aphid, *Aphis illinoiensis* (Hemiptera: Aphididae): thermal requirements for development and demographic parameters on six grapevine cultivars. pp. 55-57, In *Proceedings of the 14th Entomological Conference organized by the Hellenic Entomological Society*, 11-14 October 2011 Nafplion, Greece.
18. Skouras, P.I., **Zarpas, K.D.**, Margaritopoulos, J.T. & Tsitsipis, J.A. (2011) Study on the predators *Coccinella septempunctata* L., *Hippodamia variegata* (Goeze) and *Hippodamia (Semiadalia) undecimnotata* (Schneider) (Coleoptera: Coccinellidae) and their predation on the aphid *Myzus persicae* in laboratory conditions. pp. 293-295, In *Proceedings of the 14th Entomological Conference organized by the Hellenic Entomological Society*, 11-14 October 2011 Nafplion, Greece.

PRESENTATIONS IN INTERNATIONAL SCIENTIFIC MEETINGS

1. Tsitsipis, J.A., Tsakiris, V., Furlan, L., Tóth, M. & **Zarpas, K.D.** (1999) Monitoring wireworm populations in Greece by sex pheromone and soil bait traps. In *Abstract Volume of XXth IWGO CONFERENCE University of Çukurova*, 4-10 September 1999 Adana, Turkey, pp. 34.
2. Tsitsipis, J.A., **Zarpas, K.D.**, Tóth, M., Polymerou, V., Lilis, L. & Mouroutoglou, C. (2004) Monitoring *Diabrotica virgifera virgifera* LeConte (Coleoptera: Chrysomelidae) by pheromone traps in Greece. In *Abstract Volume of 10th IWGO*

- Diabrotica Subgroup Meeting*. 14-16 January 2004, Engelberg, Switzerland, p. 18 (IWGO Newsletter No. XXV-1, p. 23).
3. Subchev, M., Toshova, T., Tsitsipis, J.A. & **Zarpas, K.D.** (2004) Detection and monitoring of *Theresimima ampelophaga* (Bayle-Barelle, 1808) (Lepidoptera: Zygaenidae, Procridinae) by pheromone traps in Greece. In *Abstract Volume of IX International Symposium on Zygaenidae*. 7-10 October 2004 Simferopol, Crimea, Ukraine, p. 30.
 4. Tsitsipis, J.A., Katis, N., Margaritopoulos, J.T., **Zarpas K.D.** & Gargalianou, I. (2004) Relationship between aphid species populations and spread of non-persistent viruses in tobacco in Greece. In *Abstract Volume of the 5th Congress of Plant Protection organized by the Plant Protection Society of Serbia*. 22-27 November 2004 Zlatibor, Serbia, p. 57.
 5. Tsitsipis, J.A., Margaritopoulos, J.T., Chryssochoou, A., Sannino, L., Seidos, K., Mihalak, M., Papadopoulou, A., Pimenidis, G. & **Zarpas, K.D.** (2004) Chemical control trials against *Myzus persicae* on tobacco in Greece and Italy. In *Abstract Volume of the 5th Congress of Plant Protection organized by the Plant Protection Society of Serbia*. 22-27 November 2004 Zlatibor, Serbia, p. 387.
 6. Margaritopoulos, J.T. Tzortzi, M., **Zarpas, K.D.**, Tsitsipis, J.A. & Blackman, R.L. (2005) Morphological variation in *Aphis gossypii* (Hemiptera: Aphididae) populations from different hosts. *Meeting of the aphid special interest group organized by the Royal Entomological Society of London*. 6 July 2005 London, UK.
 7. Tsitsipis, J.A., **Zarpas, K.D.**, Margaritopoulos, J.T., Skouras, P.J., Karagounis, C. & Kourdoumbalos, A. (2005) Organic farming and insect pest management in Greece: potential role of alternative biological and abiotic agents. In *Abstract Volume of the International Symposium on "Organic Agriculture in the Mediterranean-Problems and Perspectives"*. 9-11 November 2005 Chania, Crete, Greece. p. 41.
 8. Margaritopoulos, J.T., Gotosopoulos, B., Mamuris, Z., Skouras, P.J., Voudouris, K.Ch., **Zarpas, K.D.**, Fantinou, A.A. & Tsitsipis, J.A. (2006) Genetic variation among Mediterranean populations of *Sesamia nonagrioides* (Lefèvre) (Lepidoptera: Noctuidae). In *Abstract Volume [IWGO Newsletter, Vol 28 (1)] of 22nd IWGO Conference*. 5-8 November 2006, Vienna, Austria. p. 58.
 9. Tsitsipis, J.A., Margaritopoulos, J.T., Kalogiannis, N., Nikou, D., Morou, E., Skouras, P.J., **Zarpas, K.D.** & Vontas, J. (2007) Efficacy of alpha cypermethrin in populations of *Bactrocera oleae* (Gmelin) (Diptera: Tephritidae) from Greece. In *Abstract Volume of the 3rd European Meeting of the IOBC/WPRS Working Group "Integrated Protection of Olive Crops"*. 9-12 October 2007, Bragança, Portugal. p. 101.
 10. Papadopoulos, N.T., Kyritsis, G., Bourtzis, K. & **Zarpas, K.D.** (2014) Effects of *Wolbachia* infection on the biology and behaviour of the Mediterranean fruit fly, and the European cherry fruit fly. In *Abstract Volume of the 2nd Research Coordination Meeting on the Use of Symbiotic Bacteria to Reduce Mass-Rearing Costs and Increase Mating Success in Selected Fruit Pests in Support of SIT Application*, FAO/IAEA. 6-10 May 2014, Bangkok, Thailand. p.

CITATIONS

1. SCI peer-reviewed papers: 103 citations (*including 8 self-citations*)
2. non-SCI papers / other sources: 12 citations