

ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

(Ιανουάριος 2021)



Νικόλαος Αχιλ. Κουλούσης
Καθηγητής Εντομολογίας

Εργαστήριο Εφαρμοσμένης Ζωολογίας και Παρασιτολογίας
Τμήμα Γεωπονίας, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης (ΑΠΘ)
Θεσσαλονίκη ΤΚ 54 124

Τηλ & Φαξ: 2310 998836
e-mail: nikoul@agro.auth.gr

ΣΠΟΥΔΕΣ

- 1993 Διδακτορικό Δίπλωμα, ΑΠΘ.
- 1987 Πτυχίο Γεωπονίας, ΑΠΘ.

ΑΛΛΗ ΕΚΠΑΙΔΕΥΣΗ

- 2009 Υπότροφος Fulbright. *University of California (Davis)*.
- 1996 Επισκέπτης Ερευνητής. *University of California (Davis)*.
- 1990 Επισκέπτης Ερευνητής. *Imperial College London*.

ΑΚΑΔΗΜΑΙΚΗ ΕΞΕΛΙΞΗ

- 2018 Καθηγητής. *Τμήμα Γεωπονίας, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης*.
- 2013-18 Αναπληρωτής Καθηγητής. *Τμήμα Γεωπονίας, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης*.

- 2009-13 Επίκουρος Καθηγητής. *Τμήμα Γεωπονίας, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης.*
- 2004-09 Λέκτορας. *Τμήμα Γεωπονίας, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης.*

ΔΙΔΑΣΚΑΛΙΑ ΜΑΘΗΜΑΤΩΝ

- Γεωργική Ζωολογία
- Εφαρμοσμένη Εντομολογία
- Εχθροί Αποθηκευμένων Προϊόντων – Αστική Εντομολογία
- Αντιμετώπιση Επιβλαβών Αρθροπόδων (Μεταπτυχιακό)
- Βελτίωση για Αντοχή στις Καταπονήσεις (Μεταπτυχιακό)

ΔΙΟΙΚΗΤΙΚΕΣ ΘΕΣΕΙΣ ΣΤΟ ΑΠΘ

- Εκλεγμένο Μέλος της Συγκλήτου (2011-2012)
- Μέλος Επιτροπής Ναυταθλητισμού (2015-2017)
- Μέλος ΔΣ Εταιρείας Αξιοποίησης και Διαχείρισης Περιουσίας ΑΠΘ (από το 2019)
- Διευθυντής Τομέα Φυτοπροστασίας (2020-2021)

ΕΡΕΥΝΗΤΙΚΑ ΕΝΔΙΑΦΕΡΟΝΤΑ

- Επιβίωση ενηλίκων της μύγας της Μεσογείου σε συνθήκες καταπόνησης.
- Βιοδημογραφία και ηλικιακή δομή άγριων πληθυσμών εντόμων.
- Μέθοδος του στείρου εντόμου.
- Παράγοντες που επηρεάζουν την σεξουαλική συμπεριφορά και τη συμπεριφορά ωτοκίας της μύγας της Μεσογείου και του δάκου της ελιάς.
- Βιολογία, οικολογία, συμπεριφορά και αντιμετώπιση διπτέρων της οικογένειας Terphritidae και άλλων εντόμων και ακάρεων.
- Ανάπτυξη μεθόδων παγίδευσης για το δάκο της ελιάς και τη μύγα της Μεσογείου.

ΕΡΕΥΝΗΤΙΚΑ ΠΡΟΓΡΑΜΜΑΤΑ

- «Εφαρμογή χημικών ουσιών για τη βελτίωση της ποιότητας της μύγας της Μεσογείου». Το πρόγραμμα είχε πενταετή διάρκεια (2004–2009) και χρηματοδοτήθηκε από την Διεθνή Επιτροπή Ατομικής Ενέργειας (FAO/ΙΑΕΑ Βιέννη).
- «Βιοδημογραφικά χαρακτηριστικά ζωής της μύγας της Μεσογείου». Το πρόγραμμα είχε διετή διάρκεια (2010-2012) και χρηματοδοτήθηκε από το Πανεπιστήμιο της Καλιφόρνιας (Davis), μέσω της Επιτροπής Ερευνών του Πανεπιστημίου Θεσσαλίας.

- «Επίδραση ιδιαίτερα υψηλών ή χαμηλών θερμοκρασιών στη σεξουαλική συμπεριφορά της μύγας της Μεσογείου *Ceratitis capitata* (Diptera: Tephritidae)». Το έργο είχε ετήσια διάρκεια (2013-2014) και χρηματοδοτήθηκε από την Επιτροπή Ερευνών του ΑΠΘ.
- «Διαχείριση της διάπαυσης σε υμενόπτερα του γένους *Eurytoma* με σκοπό τη καταπολέμησή τους». Το πρόγραμμα έχει πενταετή διάρκεια (2014–2019) και χρηματοδοτείται από την Διεθνή Επιτροπή Ατομικής Ενέργειας (FAO/IAEA Βιέννη).
- «Αντιμετωπίζοντας την μύγα της Μεσογείου με ένα καινοτόμο και φιλικό προς το περιβάλλον ελκυστικό μέσω μιας ολοκληρωμένης στρατηγικής διαχείρισης». Το πρόγραμμα έχει πενταετή διάρκεια (2014-2019) και χρηματοδοτείται από την Ευρωπαϊκή Ένωση (LIFE13 ENV/GR/000414).
- Συμμετοχή ως επιστημονικός συνεργάτης σε 15 άλλα ερευνητικά προγράμματα (από το 1989 έως σήμερα).

ΔΙΕΘΝΗΣ ΑΝΑΓΝΩΡΙΣΗ

- Scopus: 826 ετεροαναφορές και h-index 17 (Scopus ID: 6603529781)
- Google Scholar: 1388 αναφορές και h-index 20 (orcid.org/0000-0003-1802-4193)
- Εκλεγμένος αντιπρόσωπος του International Fruit Fly Steering Committee από το 2006.
- Υπότροφος Fulbright (University of California Davis 2009-10).
- Μέλος Οργανωτικής Επιτροπής και συντονιστής διεθνών και εθνικών συνεδρίων.
- Μέλος εκδοτικής ομάδας διεθνούς Newsletter (Tephritid Workers of Europe, Africa and the Middle East) (2005-2016).
- Οργάνωση του Forum “Trapping of Fruit Flies” στα πλαίσια του “First Meeting of Tephritid Workers of Europe Africa and the Middle East” που έγινε στη Μαγιόρκα της Ισπανίας (2008)
- Εκπαιδευτής και εμπειρογνώμονας του Διεθνούς Οργανισμού Ατομικής Ενέργειας (FAO/IAEA) σε θέματα που αφορούν τη καταπολέμηση εντόμων με τη μέθοδο του στείρου εντόμου στο Ισραήλ (2005), Ιορδανία (2006), Κροατία (2008).
- Κριτής εργασιών που υποβλήθηκαν σε διεθνή περιοδικά.
- Διαλέξεις στο Rudn University της Μόσχας σε εντομολογικά θέματα (2018).
- Διάλεξη και πειραματική συνεργασία κατόπιν πρόσκλησης από το Charles Darwin Foundation στα νησιά Γκαλάπαγκος του Ισημερινού (2019).

ΣΥΜΜΕΤΟΧΗ ΣΕ ΕΠΙΣΤΗΜΟΝΙΚΕΣ ΕΤΑΙΡΕΙΕΣ ΚΑΙ ΣΥΛΛΟΓΟΥΣ

- Εντομολογική Εταιρεία Ελλάδος
- Εντομολογική Εταιρεία Αμερικής
- Γεωτεχνικό Επιμελητήριο Ελλάδος

- Tephritids Workers of Europe, Africa and The Middle East

ΣΥΓΓΡΑΦΙΚΟ ΕΡΓΟ

(α) Διδακτορική διατριβή

- 1993 Κουλούσης ΝΑ (1993) Επιλογή του φυτού–ξενιστή από το έντομο *Eurytoma amygdali* Enderlein (Hymenoptera: Eurytomidae). Διδακτορική διατριβή, σελ. 152.

(β) Δημοσιεύσεις σε περιοδικά του Science Citation Index

- 2019 Yuval B, Lahuatte P, Jose PA, Causton CE, Jurkevitch E, Kouloussis N, Ben-Yosef M. Behavioral responses of the invasive fly *Philornis downsi* to stimuli from bacteria and yeast in the laboratory and the field in the Galapagos Islands. *Insects* 10, 431. <https://doi.org/10.3390/insects10120431>
- 2019 Gerofotis CD, Kouloussis NA, Koukougianidou C, Papadopoulos NT, Damos P, Koveos DS, Carey JR. Age, sex, adult and larval diet shape starvation resistance in the Mediterranean fruit fly: an ecological and gerontological perspective. *Scientific Reports* 9, 10704. <https://doi.org/10.1038/s41598-019-47010-0>
- 2018 Damos PT, Kouloussis NA, Koveos DS. A degree-day phenological model for *Cydia pomonella* and its validation in a Mediterranean climate. *Bulletin of Insectology* 71: 131-142
- 2017 Floros GD, Kokkari AI, Kouloussis NA, Kantiranis NA, Damos P, Filippidis AA, Koveos DS. Evaluation of the natural zeolite lethal effects on adults of the bean weevil under different temperatures and relative humidity regimes. *Journal of Economic Entomology* XX(X):1–9. doi.org/10.1093/jee/tox305
- 2017 Kouloussis NA, Gerofotis CD, Ioannou CS, Iliadis IV, Papadopoulos NT, Koveos DS. Towards improving Sterile Insect Technique: exposure to orange oil compounds increases sexual signalling and longevity in *Ceratitis capitata* males of the Vienna 8 GSS. *PLoS One* 12(11):e0188092. doi: 10.1371/journal.pone.0188092
- 2017 Kokkari AI, Pliakou OD, Floros GD, Kouloussis NA, Koveos DS. Effect of fruit volatiles and light intensity on the reproduction of *Bactrocera (Dacus) oleae*. *Journal of Applied Entomology* 141:841–847
- 2017 Kouloussis NA, Gerofotis CD, Ioannou CS, Iliadis IV, Papadopoulos NT, Koveos DS. Towards improving Sterile Insect Technique: exposure to orange oil compounds increases sexual signalling and longevity in *Ceratitis capitata* males of the Vienna 8 GSS. *PloS one* 12 (11), e0188092
- 2017 Kouloussis NA, Damos PT, Ioannou CS, Tsitsoulas C, Papadopoulos NT, Nestel D, Koveos DS. Age related assessment of sugar and protein intake of *Ceratitis capitata* in ad libitum conditions and modelling its relation to reproduction. *Frontiers in Physiology* 8:271.
- 2017 Kouloussis N, Papadopoulos N, Ioannou C, Damos P, Koveos D, Bempelou E, Mavraganis V. First results on mass trapping of *Ceratitis capitata* using the new attractant Biodelear. *IOBC-WPRS Bulletin* 123: 39-42
- 2017 Koveos DS, Suzuki T, Terzidou A, Kokkari A, Floros G, Damos P, Kouloussis NA. Egg hatching response to a range of ultraviolet-B (UV-B) radiation doses for four

- predatory mites and the herbivorous spider mite *Tetranychus urticae*. *Experimental and Applied Acarology* 71:35–46
- 2013 Vera M. T., M. J. Ruiz, A. Oviedo, S. Abraham, M. Mendoza, D. F. Segura, N. A. Kouloussis & E. Willink . “Fruit compounds affect male sexual success in the South American fruit fly, *Anastrepha fraterculus* (Diptera: Tephritidae) ”, *Journal of Applied Entomology*: 137: 2-10
- 2013 Kouloussis, N.A., B. I. Katsoyannos, N. T. Papadopoulos, C. S. Ioannou & I. V. Iliadis. “Enhanced mating competitiveness of *Ceratitis capitata* males following exposure to citrus compounds”, *Journal of Applied Entomology* 137: 30-38
- 2012 Ioannou C. I., N. T. Papadopoulos, N. A. Kouloussis, C. I. Tananaki & B. I. Katsoyannos. “Essential oils of citrus fruit stimulate oviposition in the Mediterranean fruit fly *Ceratitis capitata* (Diptera: Tephritidae)”, *Physiological Entomology* 37: 330–339.
- 2012 Carey, J. R., H.-G. Müller, J.-L. Wang, N. T. Papadopoulos, A. Diamantidis & N. A. Kouloussis. “Graphical and demographic synopsis of the captive cohort method for estimating population age structure in the wild”, *Experimental Gerontology* 47(10): 787-791.
- 2012 Duyck P. F., N. A. Kouloussis, N. T. Papadopoulos, S. Quilici & J. R. Carey. “Exceptional longevity in the tephritid, *Ceratitis rosa*, a close relative of the Mediterranean fruit fly”, *Journal of Economic Entomology* 105: 371-373
- 2011 Kouloussis N. A., N. T. Papadopoulos, B. I. Katsoyannos, H.-G. Müller, J.-L. Wang, S. Yu-Ru, F. Molleman & J. R. Carey. “Seasonal trends in *Ceratitis capitata* reproductive potential derived from live-caught adult females in Greece”, *Entomologia Experimentalis et Applicata* 140: 181-188.
- 2010 Duyck, P. F., N. A. Kouloussis, N. T. Papadopoulos, S. Quilici, J.-L. Wang, C. R. Jiang, H.-G. Müller & J. R. Carey. “Lifespan of a *Ceratitis* fruit fly increases with higher altitude”, *Biological Journal of the Linnean Society* 101: 345-350.
- 2010 Mavraganis, V.G., N.T. Papadopoulos, N.A. Kouloussis. Extract of olive fruit fly males (Diptera: Tephritidae) attract virgin females. *Entomologia Hellenica* 19: 14-20.
- 2009 Kouloussis, N. A., N. T. Papadopoulos, H.-G. Müller, J.-L. Wang, M. Mao, B. I. Katsoyannos, P. F. Duyck & J. R. Carey. “Life table assay of field-caught Mediterranean fruit flies, *Ceratitis capitata*, reveals age bias”, *Entomologia Experimentalis et Applicata* 132: 172–181.
- 2008 Carey, J. R., N. T. Papadopoulos, H.-G. Mueller, B. I. Katsoyannos, N. A. Kouloussis, J.-L. Wang, K. Wachter, W. Yu & P. Liedo. “Age structure changes and extraordinary lifespan in wild medfly populations”. *Aging Cell* 7: 426–437.
- 2008 Mavraganis, V. G., C. Liropoulos, N. T. Papadopoulos, N. A. Kouloussis & T. Broumas. “Whole body extract of Mediterranean fruit fly males elicits high attraction in virgin females”, *Entomologia Experimentalis et Applicata* 127: 20-29.
<http://dx.doi.org/10.1111/j.1570-7458.2008.00672.x>
- 2008 Kouloussis, N. K. “Almond seed wasp, *Eurytoma amygdali* Enderlein (Hymenoptera: Eurytomidae)”, *Encyclopedia of Entomology* 134-136
- 2006 Papadopoulos, N. T., N. A. Kouloussis & B. I. Katsoyannos. “Effect of plant chemicals on the behavior of the Mediterranean fruit fly”. In : A. Malvasi (editor) *Proceedings Seventh International Symposium on Fruit Flies of Economic Importance*, Salvador, Bahia, Brazil, 10–15 September 2006, p. 97-106.
- 2006 Carey, J. R., N. T. Papadopoulos, N. A. Kouloussis, B. I. Katsoyannos, H.-G. Mueller, J.-L. Wang, Y.-K. Tseng. “Age-specific and lifetime behavior patterns in *Drosophila*

- melanogaster* and the Mediterranean fruit fly, *Ceratitis capitata*", *Experimental Gerontology* 41: 93-97.
- 2005 Kraaijeveld, K., B. I. Katsoyannos, M. Stavrinides, N. A. Kouloussis & T. Chapman. "Remating in wild females of the Mediterranean fruit fly, *Ceratitis capitata*", *Animal Behaviour* 69 : 771-776.
<http://www.sciencedirect.com/science/article/pii/S0003347204004130>
- 2005 Katsoyannos, B. I., Kouloussis, N. A., Papadopoulos, N. T., Enkerlin, W., Heath, R. R. "Towards the development of a lure and kill system against *Ceratitis capitata* and *Bactrocera oleae* combining food lures and coloured spheres. IAEA-CN--131
- 2004 Papadopoulos, N. T., B. I. Katsoyannos, N. A. Kouloussis, J. R. Carey, H.-J. Muller & Y. Zhang. "High sexual signaling rates of young individuals predict extended life span in male Mediterranean fruit flies", *Oecologia* 138: 127-134.
- 2004 Katsoyannos, B. I., N. T. Papadopoulos, N. A. Kouloussis & J. Hendrichs. "Effect of citrus peel substances on Mediterranean fruit fly male behavior", pp. 13–17. In: B. Barnes (editor) *Proceedings of Sixth International Symposium on Fruit Flies of Economic Importance*, Stellenbosch, South Africa, 6–10 May 2002.
- 2004 Kouloussis, N. K. "Almond seed wasp, *Eurytoma amygdali* Enderlein (Hymenoptera: Eurytomidae)", pp 82-84. In: John Capinera (editor) *Encyclopedia of Entomology*, Vol. 1, Kluwer Academic Press.
- 2002 Papadopoulos, N. T., J. R. Carey, B. I. Katsoyannos, N. A. Kouloussis, H.-J. Muller & X. Liu. "Supine behaviour predicts the time to death in male Mediterranean fruitflies (*Ceratitis capitata*)", *Proceedings of the Royal Society of London* 269: 1633-1637.
- 2001 Papadopoulos, N. T., B. I. Katsoyannos, N. A. Kouloussis, J. Hendrichs, J. R. Carey & R. R. Heath. "Early detection and population monitoring of *Ceratitis capitata* (Diptera: Tephritidae) in mixed fruit orchard in Northern Greece", *Journal of Economic Entomology* 94: 971-978.
- 2001 Katsoyannos, B. I. & N. A. Kouloussis. "Captures of the olive fruit fly *Bactrocera oleae* on spheres of different colours", *Entomologia Experimentalis et Applicata* 100: 165-172.
- 2001 Papadopoulos, N. T., B. I. Katsoyannos, N. A. Kouloussis & J. Hendrichs. "Effect of orange peel substrates on mating competitiveness of male *Ceratitis capitata*", *Entomologia Experimentalis et Applicata* 99: 253-261.
- 2001 Papadopoulos, N. T., B. I. Katsoyannos, J. R. Carey & N. A. Kouloussis. "Seasonal and annual occurrence of the Mediterranean fruit fly (Diptera: Tephritidae) in northern Greece", *Annals of the Entomological Society of America* 94: 41-50.
- 1999 Katsoyannos, B. I., N. T. Papadopoulos, R. R. Heath, J. Hendrichs & N. A. Kouloussis. "Evaluation of synthetic food-based attractants for female Mediterranean fruit flies (Dipt., Tephritidae) in McPhail type traps", *Journal of Applied Entomology* 123: 607 – 612.
- 1999 Katsoyannos, B. I., N. T. Papadopoulos, N. A. Kouloussis, R. R. Heath & J. Hendrichs. "Method of assessing the fertility of wild *Ceratitis capitata* (Diptera: Tephritidae) females for use in sterile insect technique programs", *Journal of Economic Entomology* 92: 590 - 598.
- 1998 Papadopoulos, N. T., B. I. Katsoyannos, N. A. Kouloussis, J. R. Carey & A. Economopoulos. 1998. "Effect of adult age, food, and time of day on sexual calling incidence of wild and mass-reared *Ceratitis capitata* males", *Entomologia Experimentalis et Applicata* 89: 175 - 182.

- 1998 Katsoyannos, B. I., N. A. Kouloussis, & J. R. Carey. "Seasonal and annual occurrence of Mediterranean Fruit Flies (Diptera: Tephritidae) on Chios Island, Greece: Differences between two neighboring orchards", *Annals of the Entomological Society of America* 91: 43-51.
- 1997 Katsoyannos, B. I., N. A. Kouloussis & N. T. Papadopoulos. "Response of *Ceratitidis capitata* to citrus chemicals under semi-natural conditions", *Entomologia Experimentalis et Applicata* 82: 181 - 188.
- 1996 Papadopoulos, N. T., J. R. Carey, B. I. Katsoyannos & N. A. Kouloussis. "Overwintering of the Mediterranean Fruit Fly (Diptera: Tephritidae) in Northern Greece", *Annals of the Entomological Society of America* 89: 526-534.
- 1995 Kouloussis, N. A. & B. I. Katsoyannos. "Distribution and activities of *Eurytoma amygdali* (Hymenoptera: Eurytomidae) wasps on almond trees", *Annals of the Entomological Society of America* 88: 547-553.
- 1995 Koveos, D. S., N. A. Kouloussis & G. D. Broufas. "Olfactory responses of the predatory mite *Amblyseius andersoni* Chant to bean plants infested by the spider mite *Tetranychus urticae* Koch", *Journal of Applied Entomology* 119: 615-619.
- 1994 Kouloussis, N. A. & B. I. Katsoyannos. "Adult response of the almond seed wasp, *Eurytoma amygdali*, to chemicals from its host and certain nonhosts", *Entomologia Experimentalis et Applicata* 73: 211-220.
- 1993 Prophetou-Athanasiadou, D., P. J. Hodgson, N. A. Kouloussis & T. H. Jones. "Oviposition behaviour of *Drosophila subobscura* and its parasitoid *Asobara tabida* in the laboratory", *Entomologia Experimentalis et Applicata* 67: 285-291.
- 1993 Kouloussis, N. A. & B. I. Katsoyannos. "Egg distribution patterns in the almond seed wasp, *Eurytoma amygdali*", *Entomologia Experimentalis et Applicata* 66: 31-38.
- 1992 Katsoyannos, B. I., N. A. Kouloussis & A. Bassiliou. "Monitoring populations of the almond seed wasp, *Eurytoma amygdali*, with sex pheromone traps and other means, and optimal time of chemical control", *Entomologia Experimentalis et Applicata* 62: 9-16.
- 1991 Kouloussis, N. A. & B. I. Katsoyannos. "Host discrimination and evidence for a host marking pheromone in *Eurytoma amygdali*", *Entomologia Experimentalis et Applicata* 58: 165-174.

(γ) Διεθνή συνέδρια, Ομάδες εργασίας κλπ. (κυρίως περιλήψεις)

- 2019 Kouloussis N, Gerofotis Ch, Papadopoulos N, Koveos D (2019). Managing Philornis: Insights from Tephritids and implications of the attractant Biodelear. Workshop: Advances in the search for solutions for the control of the avian parasite, *Philornis downsi*, and for the conservation of Galapagos landbirds. Charles Darwin Foundation, Puerto Ayora, Galapagos Ecuador, 7-8 February 2019, Presentation
- 2018 Kouloussis N, Gerofotis Ch, Damos P, Koukougianidou Ch, Papadopoulos N, Koveos D, Carey J (2018). Age, sex, adult food and larvae food: how do they shape starvation resistance in the Mediterranean fruit fly? Insights for ecologists and gerontologists. Tenth International Symposium on Fruit Flies of Economic Importance, Tapachula, Mexico, 23-27 April 2018, Abstracts
- 2018 Kouloussis N, Papadopoulos N, Damos P, Ioannou Ch, Gerofotis Ch, Koveos D, Mavraganis V. Trapping efficacy of BioDelear-baited McPhail traps against *Ceratitidis*

- capitata. Tenth International Symposium on Fruit Flies of Economic Importance, Tapatchula, Mexico, 23-27 April 2018, Abstracts
- 2017 Kouloussis N, Papadopoulos N, Ioannou C, Damos P, Koveos D, Gerofotis C, Kyritsis, Mavraganis V, Bempelou E. The Life project BIODELEAR: Towards the development of an integrated pest management strategy (IPMS) for the sustainable management for the control of Medfly (*Ceratitis capitata*). Meeting of the Working Group Integrated Control in Citrus Fruit Crops. International Organization for Biological and Integrated Control (IOBC) West Palearctic Regional Section (WPRS), 25-27 September 2017, Valencia, Spain.
- 2017 Bebelou E, Anagnostopoulos C, Kiousi M, Malatou P, Liapis K, Kavvadias V, Ioannou Z, Theocharopoulos S, Papadopoulos N, Kouloussis N, Mavragannis V. Monitoring of pesticide residues in citrus fruits and soil properties under the framework of the developing of an integrated pest management strategy (IPMS) for the sustainable management for the control of Medfly (*Ceratitis capitata*) Life Biodelear (Life13 Env/Gr/000414). Meeting of the Working Group Integrated Control in Citrus Fruit Crops. International Organization for Biological and Integrated Control (IOBC) West Palearctic Regional Section (WPRS), 25-27 September 2017, Valencia, Spain.
- 2017 Ioannou CS, Kyritsis GA, Mavraganis V, Kouloussis NA, Papadopoulos NT (2017). Arthropod biodiversity in citrus orchards following the application of a mass trapping strategy against *Ceratitis capitata* using the novel attractant BioDelear. Meeting of the Working Group Integrated Control in Citrus Fruit Crops. International Organization for Biological and Integrated Control (IOBC) West Palearctic Regional Section (WPRS), 25-27 September 2017, Valencia, Spain.
- 2017 Kouloussis N, Papadopoulos N, Damos P, Ioannou C, Gerofotis C, Koveos D, Mavraganis V. Trapping efficacy of BioDelear-baited McPhail traps against *Ceratitis capitata*. Meeting of the Working Group Integrated Control in Citrus Fruit Crops. International Organization for Biological and Integrated Control (IOBC) West Palearctic Regional Section (WPRS), 25-27 September 2017, Valencia, Spain.
- 2017 Papadopoulos NT, Ioannou CS, Kyritsis GA, Mavraganis V, Kouloussis NA. BioDelear: a new attractant for an environmentally sound management of *Ceratitis capitata* employing a mass trapping strategy. Meeting of the Working Group Integrated Control in Citrus Fruit Crops. International Organization for Biological and Integrated Control (IOBC) West Palearctic Regional Section (WPRS), 25-27 September 2017, Valencia, Spain.
- 2017 Kouloussis NA, Gerofotis CD, Koveos DS, Papadopoulos NT, Chatzaki V. Effect of temperature and photoperiod on diapause termination, longevity, and morphology of *Eurytoma plotnikovi*. Working Material of the Third FAO/IAEA Research Coordination Meeting of the Coordinated Research Project on Dormancy Management to Enable Mass-rearing and Increase Efficacy of Sterile Insects and Natural Enemies, Vienna, Austria 29 May to 2 June 2017.
- 2017 Kouloussis N, Papadopoulos N, Ioannou C, Damos P, Koveos D, Gerofotis C, Kyritsis G, Mavraganis V, Bempelou E. An environmental friendly new attractant (BIODELEAR) for the mass trapping of *Ceratitis capitata*. In: Book of abstracts of the Third FAO/IAEA International Conference on Area-Wide Management of Insect Pests: Integrating the Sterile Insect and Related Nuclear and other Techniques, Vienna, Austria, 22-26 May 2017. p. 137.

- 2017 Kontzidou S, Brachou G, Kokkari A, Floros G, Kouloussis N, Koveos D. Effect of host plant on the predatory mite *Phytoseiulus persimilis*. 3rd International Students Conference. Organic Farming, Remote Sensing, and Environment. Co-operation. Thessaloniki, Greece, 22 March 2017, Abstracts p. 12
- 2017 Terzidou A, Takeshi S, Kokkari A, Floros G, Damos P, Kouloussis N, Koveos S. Effect of UV-B radiation on egg hatchability of predator mites (Phytoseiidae). 3rd International Students Conference. Organic Farming, Remote Sensing, and Environment. Co-operation. Thessaloniki, Greece, 22 March 2017, Abstracts p. 7
- 2016 Kouloussis NA, Koveos DS, Pliakou OD. Diapause termination and sex determination in *Eurytoma plotnikovi*. Working Material of the Second FAO/IAEA Research Coordination Meeting of the Coordinated Research Project on Dormancy Management to Enable Mass-rearing and Increase Efficacy of Sterile Insects and Natural Enemies, Stellenbosch, South Africa, 18-22 April 2016.
- 2014 Kouloussis NA, Koveos DS. Manipulation of diapause development for improving control of *Eurytoma* species. Working Material of the First FAO/IAEA Research Coordination Meeting of the Coordinated Research Project on Dormancy Management to Enable Mass-rearing and Increase Efficacy of Sterile Insects and Natural Enemies, Vienna, Austria, 21–25 July 2014.
- 2014 Kouloussis N, Koukougianidou C, Papadopoulos N, Diamantidis A, Carey J. Survival of *Ceratitis capitata* (Wiedemann) (Diptera: Tephritidae) Deprived of Sugar Varies with Age. Ninth International Symposium on Fruit Flies of Economic Importance, Bangkok, Thailand, 12-16 May 2014, Abstracts p. 13
- 2014 Kouloussis NA, Pliakou O, Koveos D. Effect of Low and High Temperatures on the Sexual Calling Behaviour of *Ceratitis capitata* (Wiedemann) (Diptera: Tephritidae). Ninth International Symposium on Fruit Flies of Economic Importance, Bangkok, Thailand, 12-16 May 2014, Abstracts p. 123
- 2012 Mavraganis V. G., N. T. Papadopoulos & N. A. Kouloussis. “Non-toxic bait for the Mediterranean fruit fly *Ceratitis capitata* (Diptera: Tephritidae)”, Second International Symposium of Tephritid Workers of Europe, Africa and The Middle East “Biological Invasions of Tephritidae: Ecological and Economic Impacts”, 3-6 July 2012 Kolymbari, Crete, Greece, Abstracts p. 101
- 2012 Koukougianidou C. P., N. A. Kouloussis, N. T. Papadopoulos, A. G. Diamantidis and J. R. Carey. “Endurance of *Ceratitis capitata* (Diptera: Tephritidae) adults deprived of food at various ages”, Second International Symposium of Tephritid Workers of Europe, Africa and The Middle East, 3-6 July 2012 Kolymbari, Crete, Greece, Abstracts p. 63
- 2012 Ioannou C. S., N. T. Papadopoulos, N. A. Kouloussis & B. I. Katsoyannos. “Associative olfactory learning in the Mediterranean fruit fly *Ceratitis capitata* (Diptera: Tephritidae) larvae”, Second International Symposium of Tephritid Workers of Europe, Africa and The Middle East, 3-6 July 2012 Kolymbari, Crete, Greece, Abstracts p. 57
- 2011 Mavraganis V. G., N. T. Papadopoulos, N. A. Kouloussis & P. Ch. Kouloumbis. “Environmentally friendly bait for the Mediterranean fruit fly *Ceratitis capitata* (Diptera: Tephritidae)”, Proceedings of the 7 MGPR International Symposium “Paolo Cabras”. Pesticides in Food and the Environment in Mediterranean Countries, 9-11 November 2011, Thessaloniki, Greece, p. 88.
- 2010 Kouloussis N. A., N. T. Papadopoulos, B. I. Katsoyannos & J. R. Carey. “Use of live-

- caught insects expands the scope of trapping”, Eighth International Symposium on Fruit Flies of Economic Importance, Valencia, Spain, 26th September to 1st October 2010.
- 2009 Vera M. T., M. J. Ruiz, A. Oviedo, S. Abraham, M. Mendoza, D. F. Segura, N. A. Kouloussis & E. Willink. “Fruit compounds affect male sexual competitiveness in the South American fruit fly, *Anastrepha fraterculus* (Diptera: Tephritidae)”, Working Material of the Final Research Coordinated Meeting within the FAO/IAEA Research Project “Improving Sterile Male Performance in Fruit Fly SIT Programmes”, held in Pereybere, Mauritius, 21–25 September 2009, IAEA Vienna, Austria. p. 79.
- 2009 Kouloussis, N., B. Katsoyannos & N. Papadopoulos. “Mating competitiveness, Calling and Longevity in sterile *Ceratitidis capitata* males following exposure to various citrus compounds”, Working Material of the Fourth Research Coordination Meeting within the FAO/IAEA Research Project “Improving Sterile Male Performance in Fruit Fly SIT Programmes”, held in Péreybère, Mauritius, 21-25 September 2009, IAEA Vienna, Austria, p.79.
- 2008 Ruiz, M.J., A. Oviedo, S. Abraham, M. Mendoza, D. F. Segura, N. A. Kouloussis, E. Willink & M. T. Vera. “Exposure to guava increases male sexual competitiveness in the South American fruit fly, *Anastrepha fraterculus*”, Seventh Meeting of the Working Group on Fruit Flies of the Western Hemisphere, Mazatlan, Sinaloa, Mexico, 2–7 November 2008, p. 41.
- 2008 Kouloussis, N. A., B. I. Katsoyannos, N. T. Papadopoulos, C. S. Ioannou & J. V. Iliadis. “Enhanced mating competitiveness following exposure to different citrus oils in males of *Ceratitidis capitata*”, First Meeting of Tephritid Workers of Europe, Africa and The Middle East, 7–8 April 2008, Majorca, Spain. Abstracts p. 33.
- 2008 Kouloussis, N., B. Katsoyannos & N. Papadopoulos. “Mating competitiveness in male *Ceratitidis capitata* following exposure to citrus compounds”, Working Material of the Third Research Coordinated Meeting within the FAO/IAEA Research Project “Improving Sterile Male Performance in Fruit Fly SIT Programmes”, held in Valencia, Spain, 1–5 April 2008. IAEA Vienna, Austria. p. 79.
- 2006 Katsoyannos, B. I., N. T. Papadopoulos & N. A. Kouloussis. “Recent advances in medfly trapping: Experiments conducted during 2004 in Chios, Greece”, Seventh International Symposium on Fruit Flies of Economic Importance, Salvador, Bahia, Brazil, 10–15 September 2006.
- 2006 Kouloussis, N. A., C. S. Ioannou, B. I. Katsoyannos. “Oviposition of *Ceratitidis capitata* in response to volatiles from various concentrations of orange juice”. Seventh International Symposium on Fruit Flies of Economic Importance, Salvador, Bahia, Brazil, 10–15 September 2006.
- 2006 Kouloussis, N., B. Katsoyannos & N. Papadopoulos. “Effect of citrus peel compounds on the mating competitiveness of *Ceratitidis capitata* males”, Working Material of the Second Research Coordinated Meeting within the FAO/IAEA Research Project “Improving Sterile Male Performance in Fruit Fly SIT Programmes”, held in Salvador, Bahia, Brazil, 5–9 September 2006. IAEA Vienna, Austria.
- 2005 Kouloussis, N. A., B. I. Katsoyannos, N. T. Papadopoulos & C. S. Ioannou. “Host selection in *Ceratitidis capitata*: a demographic/ageing perspective”, Rostock European Exploratory Workshop on Aging and Longevity in Wild Medfly Populations, Max Planck Institute for Demographic Research, Rostock, Germany, 28–29 July 2005.
- 2005 Papadopoulos, N., A. Bakri, Y. Gazit, M. Cristofaro, B. Barnes, M. Bonizzoni, S. A. Lux,

- D. Nestel, R. Pereira, S. Quilici, M. A. Miranda & N. A. Kouloussis. "Establishment of TEAM (Tephritidae of Europe, Africa and Middle East), a new international working group on fruit flies (Diptera: Tephritidae)", Abstracts of 2nd European Meeting of IOBC-WPRS Working Group on "Integrated Protection of Olive Crops", Florence, Italy, on 26–28 October 2005.
- 2005 Katsoyannos, B. I., N. T. Papadopoulos & N. A. Kouloussis. "Development and evaluation of improved fruit fly attractants and bait stations in Greece", Working Material of the Fourth Research Coordinated Meeting within the FAO/IAEA Research Programme "Development of Improved Attractants and their Integration into Fruit Fly SIT Management Programmes", held in Vienna, Austria, 9–13 May 2005. Abstracts p. 24.
- 2005 Katsoyannos, B. I., N. T. Papadopoulos, N. A. Kouloussis, W. Enkerlin, J. Hendrichs & R. R. Heath. "Towards the development of a lure and kill system against *Ceratitidis capitata* and *Bactrocera oleae* combining food lures and colored spheres", Book of Extended Synopses (IAEA-CN-131) of FAO/IAEA International Conference on Area-Wide Control of Insect Pests: Vienna, Austria, 5–10 May 2005. p. 217.
- 2005 Broufas G. D., D. S. Koveos, M. L. Pappas, D. Prophetou-Athanasidou & N. A. Kouloussis. "Intrapopulation variation in pesticide susceptibility of the predatory mite *Euseius finlandicus* (Acari: Phytoseiidae)", International Symposium on the Environmental Physiology of Ectotherms and Plants, July 11-16, 2005, Roskilde, Denmark.
- 2004 Katsoyannos, B. I., N. T. Papadopoulos & N. A. Kouloussis. "Improving *Ceratitidis capitata* male competitiveness in SIT programmes through exposure to citrus peel oils", Working Material of the First Research Coordinated Meeting within the FAO/IAEA Research Programme "Improving Sterile Male Performance in Fruit Fly SIT" Held in Antigua, Guatemala, 25–29 October 2004. IAEA Vienna, Austria p. 72.
- 2004 Katsoyannos, B. I., N. T. Papadopoulos & N. A. Kouloussis. "Comparison of different trapping systems and bait stations for *Ceratitidis capitata* and *Bactrocera oleae*: Experiments conducted in Chios, Greece", Working Material of the Third Research Coordinated Meeting within the FAO/IAEA Research Programme "Development of Improved Attractants and their Integration into Fruit Fly SIT Management Programmes", Fort Lauderdale, Florida, USA, 11–15 May 2004. IAEA Vienna, Austria
- 2004 Kouloussis, N. A., B. I. Katsoyannos, N. T. Papadopoulos, C. S. Ioannou & E. A. Kotta. "Effect of host fruit odors on the oviposition of feral *Ceratitidis capitata* in the laboratory", Fifth Meeting of the Working Group on Fruit Flies of the Western Hemisphere, Fort Lauderdale, Florida, USA, 16–21 May 2004, p. 121.
- 2004 Katsoyannos, B. I., Papadopoulos, N. T., N. A. Kouloussis, W. Enkerlin, J. Hendrichs & R. R. Heath. "Towards the development of a lure and kill system against *Ceratitidis capitata* and *Bactrocera oleae* combining food lures and colored spheres", Fifth Meeting of the Working Group on Fruit Flies of the Western Hemisphere, Fort Lauderdale, Florida, USA, 16–21 May 2004, p. 49.
- 2003 Katsoyannos, B. I., N. T. Papadopoulos & N. A. Kouloussis. "Effect of citrus oils on medfly behaviour with emphasis on mating behaviour, and possibilities of their use for improving male competitiveness". Working Material of Consultants Meeting on "Improving Sterile Male Performance in Fruit Fly SIT Programmes", Vienna, Austria 20–24 October 2003. IAEA Vienna, Austria. p. 37.
- 2003 Kouloussis, N. A. & B. I. Katsoyannos. "Field attraction of olive fruit flies to spheres of

- different colours and sizes”, First European Conference on "Integrated Protection of Olives Crops", Chania, Crete, Greece 21–23 May 2003. Abstracts p. 33.
- 2002 Katsoyannos, B. I., N. T. Papadopoulos & N. A. Kouloussis. “Response of the Mediterranean fruit fly *Ceratitis capitata* to citrus fruit substances”, Seventh European Congress of Entomology. Thessaloniki, Greece, 7–13 October 2002. Congress Abstracts p. 107.
- 2002 Kouloussis, N. A. & B. I. Katsoyannos. “Response of olive fruit flies *Bactrocera oleae* (Diptera: Tephritidae) to spheres of different sizes and colours”, Seventh European Congress of Entomology, Thessaloniki, Greece, 7–13 October 2002. Congress Abstracts p. 139.
- 2002 Kouloussis, N. A. & B. I. Katsoyannos. “Field attraction of the olive fruit fly to spheres of different colors and sizes”, Sixth International Symposium on Fruit Flies of Economic Importance, Stellenbosch, South Africa, 6–10 May 2002. Abstracts p. 58.
- 2002 Katsoyannos, B. I., N. T. Papadopoulos, M. Stavrinides & N. A. Kouloussis. “Comparison of different trapping systems for *Ceratitis capitata* and *Bactrocera oleae*: Experiments conducted during 2001 in Chios, Greece”, Working Material of the Second Research Coordinated Meeting within the FAO/IAEA Research Programme “Development of Improved Attractants and their Integration into Fruit Fly SIT Management Programmes”, Stellenbosch, South Africa, 29 April – 3 May 2002. IAEA Vienna, Austria, p. 50.
- 2000 Papadopoulos, N. T., B. I. Katsoyannos & N. A. Kouloussis. “Early detection of *Ceratitis capitata* in northern Greece using plastic McPhail traps versus Jackson traps”, Working Material of the First Research Coordinated Meeting within the FAO/IAEA Research Project “Development of Improved Attractants and their Integration into Fruit Fly SIT Management Programmes”, Sao Paulo, Brazil, 28 August – 1 September 2000. IAEA Vienna, Austria 25–26 pp.
- 2000 Katsoyannos, B. I., N. T. Papadopoulos & N. A. Kouloussis. “Development of improved attractants and their integration into fruit fly SIT management program”, Working Material of the First Research Coordinated Meeting within the FAO/IAEA Research Programme “Development of Improved Attractants and their Integration into Fruit Fly SIT Management Programmes”, Sao Paulo, Brazil, 28 August – 1 September 2000. IAEA Vienna, Austria, 26–27 pp.
- 1999 Papadopoulos, N. T., N. A. Kouloussis, J. R. Carey & B. I. Katsoyannos. “Biodemography of wild medflies (Diptera: Tephritidae): effect of mating age on survival and fecundity”, Third European – American Research Colloquium on: “Social and Biological Determinants of Longevity. August 1–7, 1999, Max Planck Institute for Demographic Research, Rostock, Germany.
- 1999 Katsoyannos, B. I., N. T. Papadopoulos & N. A. Kouloussis. “Mediterranean fruit fly female attractant studies in support of the sterile insect technique: trapping experiments conducted on the island of Chios, Greece”, pp: 5–17. International Atomic Energy Agency, TECDOC 1099, Vienna Austria.
- 1999 Katsoyannos, B. I., N. A. Kouloussis & N. T. Papadopoulos. “Response of *Ceratitis capitata* to citrus chemicals under semi–natural conditions”. Exotic Fruit Fly Research Symposium, September 12–14, 1999, Riverside California.
- 1999 Papadopoulos, N. T., B. I. Katsoyannos & N. A. Kouloussis. “Early season detection and population monitoring of *Ceratitis capitata* (Diptera: Tephritidae) using different trapping systems and other methods”, Exotic Fruit Fly Research Symposium,

- September 12–14, 1999, Riverside, California.
- 1998 Kouloussis, N. A., N. T. Papadopoulos, B. I. Katsoyannos & A. P. Economopoulos. “Pheromone calling of wild and sterilized Mediterranean fruit fly males under semi-natural conditions”, Fifth International Symposium on Fruit Flies of Economic Importance, Penang, Malaysia 1–5 June 1998, p 38.
- 1998 Katsoyannos, B. I., N. T. Papadopoulos, R. R. Heath, J. Hendrichs & N. A. Kouloussis. “Evaluation of synthetic food-based attractant for female Mediterranean fruit flies (Diptera: Tephritidae) in McPhail type traps”, Fifth International Symposium on Fruit Flies of Economic Importance, Penang, Malaysia 1–5 June 1998, p. 38.
- 1997 Katsoyannos, B. I., N. T. Papadopoulos & N. A. Kouloussis. “Development of a system of capturing alive *Ceratitis capitata* females and assessing their fertility in sterile insect technique programs. Experiments conducted during 1995 and 1996 in Chios, Greece”, Working Material of the Second Coordinated Meeting within the FAO/IAEA Research Programme “Development of female medfly attractant systems for trapping and sterility assessment”, Madeira, Portugal, 20–24 January 1997. IAEA Vienna, Austria p. 49.
- 1997 Katsoyannos, B. I., N. T. Papadopoulos & N. A. Kouloussis. “Medfly trapping and related experiments conducted during 1995 and 1996 in Chios, Greece”, Working Material of the Second Coordinated Meeting within the FAO/IAEA Research Programme “Development of female medfly attractant systems for trapping and sterility assessment”, Madeira, Portugal, 20–24 January 1997. IAEA Vienna, Austria, p. 50.
- 1995 Katsoyannos, B. I., N. A. Kouloussis & N. T. Papadopoulos. “Medfly female attractant studies in support of sterile insect technique: Experiments conducted in Chios, Greece, in 1994”, Working Material of the First Meeting of the FAO/IAEA Coordinated Research Programme “Development of female medfly attractant systems for trapping and sterility assessment”, Antigua, Guatemala, 22–26 May 1995. IAEA Vienna, Austria p. 26.
- 1993 Katsoyannos, B. I., N. A. Kouloussis & N. Papadopoulos. “Basic and applied studies on the pheromones of the almond seed wasp, *Eurytoma amygdali* Enderlein (Hymenoptera, Eurytomidae)”, in: L. J. McVeigh, D. R. Hall & P. S. Beevor (eds), Proc. Working Group Meeting (Chatham, UK, May 1993). Insect Pheromones. IOBC/WPRS Bulletin 16 (10): 202–206
- 1990 Katsoyannos, B. I., N. A. Kouloussis & I. S. Pittara. “Evidence for a sex and a host-marking pheromone in the almond seed wasp *Eurytoma amygdali*, and population monitoring with pheromone traps for timing of chemical control”, Invited paper, Intern. Symposium IOBC “Pheromones in Mediterranean Pest Management”, Granada, Spain, September 1990, p. 20.

(δ) Δημοσιεύσεις σε ελληνικά περιοδικά και πρακτικά συνεδρίων

- 5 άρθρα στο περιοδικό Γεωργία-Κτηνοτροφία
- 8 άρθρα στα Πρακτικά του Πανελληνίου Εντομολογικού Συνεδρίου
- 45 περιλήψεις στα Πρακτικά του Πανελληνίου Εντομολογικού Συνεδρίου