

## ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

(Μάρτιος 2014)



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### ΣΠΟΥΔΕΣ

1993 Διδακτορικό Δίπλωμα, ΑΠΘ.

1987 Πτυχίο Γεωπονίας, ΑΠΘ.

### ΑΛΛΗ ΕΚΠΑΙΔΕΥΣΗ

1990 Επισκέπτης Ερευνητής. *Imperial College London*.

1996 Επισκέπτης Ερευνητής. *University of California (Davis)*.

2009 Υπότροφός Fulbright. *University of California (Davis)*.

### ΑΚΑΔΗΜΑΙΚΗ ΕΞΕΛΙΞΗ

2013- Αναπληρωτής Καθηγητής. *Τμήμα Γεωπονίας ΑΠΘ*.

2009-13 Επίκουρος Καθηγητής. *Τμήμα Γεωπονίας ΑΠΘ*.

2004-09 Λέκτορας. *Τμήμα Γεωπονίας ΑΠΘ*.

## **ΔΙΔΑΚΤΙΚΗ ΕΜΠΕΙΡΙΑ**

- Γεωργική Ζωολογία.
- Εχθροί Καρποφόρων Δένδρων και Αμπέλου.
- Εφαρμοσμένη Ζωολογία.
- Γενική Εντομολογία I Εργαστήριο.
- Γενική Εντομολογία II.
- Θέματα Φυτοπροστασίας.
- Ολοκληρωμένη Αντιμετώπιση των Εχθρών των Καλλιεργούμενων Φυτών (Μεταπτυχιακό).

## **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 ωοτοκίας της μύγας της Μεσογείου και του δάκου της ελιάς.
- Βιολογία, οικολογία, συμπεριφορά και αντιμετώπιση διπτέρων της οικογένειας Tephritidae 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/IAEA 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 πρόγραμμα έχει ετήσια διάρκεια (2013–2014) και χρηματοδοτείται από την Επιτροπή Ερευνών του ΑΠΘ.
- Συμμετοχή ως επιστημονικός συνεργάτης σε 12 άλλα ερευνητικά προγράμματα

## **ΔΙΕΘΝΗΣ ΑΝΑΓΝΩΡΙΣΗ**

- Δημοσιευμένο έργο με 414 ετεροαναφορές και h-index 13 κατά Scopus.
- Εκλεγμένος αντιπρόσωπος του International Fruit Fly Steering Committee από το 2006.
- Υπότροφος Fulbright (University of California Davis 2009-2010).

- Εκπαιδευτής και εμπειρογνώμονας του Διεθνούς Οργανισμού Ατομικής Ενέργειας (FAO/ΙΑΕΑ) σε θέματα που αφορούν τη καταπολέμηση εντόμων με τη μέθοδο του στείρου εντόμου (Βιέννη, Κροατία, Ισραήλ, Ιορδανία).
- Μέλος εκδοτικής ομάδας διεθνούς Newsletter (TEAM Newsletter) από το 2005.
- Μέλος Οργανωτικής Επιτροπής και συντονιστής συνεδριών διεθνών συνεδρίων.
- Κριτής εργασιών που υποβλήθηκαν σε διεθνή περιοδικά.

#### 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

- 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. <http://www.sciencedirect.com/science/article/pii/S0531556512001854>
- 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*: no-no. <http://dx.doi.org/10.1111/j.1365-3032.2012.00847.x>
- 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. <http://dx.doi.org/10.1603/EC11055>
- 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. <http://dx.doi.org/10.1111/j.1570-7458.2011.01154.x>
- 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. <http://dx.doi.org/10.1111/j.1095-8312.2010.01497.x>
- 2010 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*:no-no.  
<http://dx.doi.org/10.1111/j.1439-0418.2010.01535.x>
- 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.  
<http://www.entsoc.gr/volume%2019/14-20-MAVRAGANIS-et-al-Extract%20of%20olive%20fruit%20fly%20males%20attract%20virgin%20females.pdf>
- 2010 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*: no-no. <http://dx.doi.org/10.1111/j.1439-0418.2010.01516.x>
- 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. <http://dx.doi.org/10.1111/j.1570-7458.2009.00879.x>
- 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.  
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- 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>
- 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.  
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- 2006 Papadopoulos, N. T., N. A. Kouloussis & B. I. Katsoyannos. “Effect of plant chemicals on the behavior of the Mediterranean fruit fly”. In : A. Malavasi (editor) *Proceedings Seventh International Symposium on Fruit Flies of Economic Importance*, Salvador, Bahia, Brazil, 10–15 September 2006, p. 97-106.  
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- 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>
- 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.  
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- 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.  
[www.google.com/books?hl=el&lr=&id=i9ITMiiohVQC&oi=fnd&pg=PR55&dq=Koulou](http://www.google.com/books?hl=el&lr=&id=i9ITMiiohVQC&oi=fnd&pg=PR55&dq=Koulou)

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- 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. [www.cabdirect.org/abstracts/20063113753.html](http://www.cabdirect.org/abstracts/20063113753.html)
- 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. <http://rspb.royalsocietypublishing.org/content/269/1501/1633.abstract>
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- 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. [http://dx.doi.org/10.1603/0013-8746\(2001\)094\[0041:SAOOT\]2.0.CO;2](http://dx.doi.org/10.1603/0013-8746(2001)094[0041:SAOOT]2.0.CO;2)
- 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. <http://dx.doi.org/10.1046/j.1570-7458.2001.00860.x>
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- 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. <http://www.ingentaconnect.com/content/esa/jee/1999/00000092/00000003/art00015>
- 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. <http://dx.doi.org/10.1046/j.1570-7458.1998.00397.x>
- 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.

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- 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. <http://www.ingentaconnect.com/content/esa/aesa/1996/00000089/00000004/art00005>
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- 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. <http://dx.doi.org/10.1111/j.1570-7458.1994.tb01858.x>
- 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. <http://dx.doi.org/10.1111/j.1570-7458.1993.tb01679.x>
- 1993 Kouloussis, N. A. & B. I. Katsoyannos. "Egg distribution patterns in the almond seed wasp, *Eurytoma amygdali*", *Entomologia Experimentalis et Applicata* 66: 31-38. <http://dx.doi.org/10.1111/j.1570-7458.1993.tb00689.x>
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(γ) Διεθνή συνέδρια, Ομάδες εργασίας κλπ. (κυρίως περιλήψεις)

- 2012 Mavraganis V. G., N. T. Papadopoulos & N. A. Kouloussis. "Non-toxic bait for the Mediterranean fruit fly *Ceratitidis 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 *Ceratitidis 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 *Ceratitidis 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 *Ceratitidis 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.
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- 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.
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- 5 άρθρα στο περιοδικό Γεωργία-Κτηνοτροφία.
- 8 άρθρα στα Πρακτικά του Πανελληνίου Εντομολογικού Συνεδρίου.
- 21 περιλήψεις στα Πρακτικά του Πανελληνίου Εντομολογικού Συνεδρίου.