

NICOS A. SERAPHIDES

AGRICULTURAL RESEARCH OFFICER A'

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EDUCATION AND TRAINING

- PhD Candidate in Entomology. Aristotelian University of Thessaloniki
- MSc. in Entomology/Pest Management. University of Newcastle Upon Tyne, UK.
- BSc in Agricultural Science. Aristotelian University of Thessaloniki. Greece.
- Alexander Milne award for outstanding performance in Entomology and Plant Protection (University of Newcastle Upon Tyne).

RESEARCH INTERESTS

- Biology, ecology, behavior and integrated pest management of insect pests
- Rearing of beneficial insects (*Macrolophus pygmaeus*, *Nesidiocoris tenuis*, *Chrysoperla carnea*, *Diglyphus isaea*, *Aphytis melinus*, *Comperiella bifasciata*)
- Insecticide toxicity and Resistance

ADDITIONAL INFORMATION

Selected Publications

- Martinou A.F., Seraphides N. and Stavrinos M.C. Lethal and behavioural effects of pesticides on the insect predator *Macrolophus pygmaeus* (in press)
- Kakani E.G, Zygouridis N.E, Tsoumani K.T, Seraphides N.A, Zalom F.G and Mathiopoulos K.D, 2010. Spinosad resistance development in wild olive fruit fly *Bactrocera oleae* (Diptera: Tephritidae) populations. *Pest Management Science* 66(4): 447-53.
- L.C. Papayiannis, J.K. Brown, N.A. Seraphides, M. Hadjistylli, N. Ioannou and N.I. Katis, (2009). A real-time PCR assay to differentiate the B and Q biotypes of the *Bemisia tabaci* complex in Cyprus. *Bulletin of Entomological Research*, 1-10.
- Kakani E.G, Ioannides I.M., Margaritopoulos J.T., Seraphides N.A., Skouras P.J., Tsitsipis J.A. and Mathiopoulos K.D, 2008. A small deletion in the olive fly acetylcholinesterase gene associated with high levels of organophosphate resistance. *Insect Biochemistry and Molecular Biology* 38: 781-787.
- Skouras P.J., Margaritopoulos J.T., Seraphides N.A., I. M. Ioannides, E. G. Kakani, K. D. Mathiopoulos and J. A. T. Tsitsipis, 2007.

Organophosphate resistance in olive fruit fly, *Bactrocera oleae*, populations in Greece and Cyprus. *Pest Management Science* 63: 42-48.

- Ioannou, N. and Seraphides A.N. 2006: Integrated pest and disease management for greenhouse-grown vegetable crops in Cyprus. *IOBC/WPRS Bull.*29 (4): 9 -14

Chapter in Book

- Seraphides N.A., 2010. Olive Gap Manual "Good Agricultural Practices for the Near East and North African Countries". AARINENA, FAO Chapter 11. "Olive pests and disease management" p.211-235.

Conferences

- Nicos A. Seraphides, 2012. Fruit fly status and activities in Cyprus. TEAM 2nd International meeting, July 3-6, 2012, Kolymbari, Greece.
- Roditakis, E. and N. Seraphides, 2011. The current status of the tomato borer *Tuta absoluta* in Greece and Cyprus. *EPPO/IOBC/FAO/NEPPO Joint International Symposium on management of Tuta absoluta*, November 16-18, 2011, Agadir, Morocco.
- Δ. Χατζημιτσής, Α. Αγαπίου, Α. Παπαχριστοδούλου, Π. Φιλήμης, Σ. Χατζηγιάννης, Η. Ψημολοφίτης, Ν. Σεραφειδής, Μ. Πετρίδου. Ανάπτυξη αυτόματου συστήματος παρακολούθησης πληθυσμού της κόκκινης ψώρας με τη χρήση τεχνολογιών ανάλυσης εικόνων, ασύρματων δικτύων και γεωπληροφορικής. *25^ο Συνέδριο Ελληνικής Εταιρείας Επιστήμης Οπωροκηπευτικών*, Νοέμβριος 1-4, 2011, Λεμεσός, Κύπρος.

Programs

- Supporting Fruit Fly Pest Prevention and Management in the Balkans and the Eastern Mediterranean -RER5018 (International Atomic Energy Agency)
- Development of an innovative automated and wireless trap with warning and monitoring modules for integrated management of the Mediterranean (*Ceratitis capitata*) & Olive (*Bactrocera oleae*) fruit flies (FP7 + RPF)
- Development of a warning system for monitoring the California red scale, *Aonidiella aurantii* (Hemiptera: Diaspididae) (RPF)
- Integrated pest management for greenhouse-grown vegetable crops
- Rearing and release of beneficial insects.
- Management of insect pest in pomegranate orchards
- Biology and management of the tomato borer, *Tuta absoluta*.

Training

- Sustainable use of pesticides/fertilizers, protection of farmers and the environment (University of Thessaloniki)
- Integrated Pest Management (IPM) (International Agricultural Centre, Wageningen, the Netherlands)
- "Principles and Procedures for Rearing Quality Insects" (Department of Entomology & Plant Pathology, Mississippi State University, USA)
- EPPO basic training on Pest Risk Analysis