

INSTITUTE OF BIOSCIENCES AND APPLICATIONS  
NCSR "DEMOKRITOS"

**Dr. Maria Konstantopoulou**

Research Director

**CURRICULUM VITAE**



2022

## CURRICULUM VITAE

### PERSONAL DATA

Name: **Maria A. Konstantopoulou**  
Date of Birth: 24-08-1965  
Nationality: Greek  
Position: **Research Director**  
Address: Chemical Ecology and Natural Products Laboratory  
Institute of Biosciences and Applications, NCSR  
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Marital Status: Married (2 children)

### EDUCATION

1988: BSc in Biology, Department of Biology, University of Thessaloniki, Greece.  
1997: PhD in Biology, Department of Biology, University of Athens, Greece.

### SCHOLARSHIPS

1991-96: Scholarship of NCSR "Demokritos" after examination (duration 5 years), granted by the Greek Ministry of Research and Technology.

*PROFESSIONAL EXPERIENCE*

- 1983-88: Department of Biology, University of Thessaloniki. Laboratory practices in the fields of Genetics, Developmental Biology and Molecular Biology.
- 1988: Semi-annual seminar subsidized by the Hellenic Centre of Productivity (EL.KE.PA.), Thessaloniki: "Applications of biotechnology on agriculture, animal-rearing and the protection of the environment".
- 1988-89: Department of Biology, University of Thessaloniki. Laboratory supervision of University students in Cellular and Molecular Biology.
- 1989: Department of Biology, University of Thessaloniki. Assisting researcher in the project of "Dynamics of the Golgi complex during differentiation. Morphological and cytochemical study at fine structure level in *Drosophila* salivary gland cells", subsidized by the Ministry of Research and Technology.
- 1991-96: Institute of Biology of the National Center for Scientific Research "Demokritos", Athens-Greece, Laboratory of Genetics of the Department of Biology, University of Thessaloniki, Laboratory of Molecular Biology of the University of Agriculture, Athens-Greece, Laboratory of Biology of the University of Athens, Athens-Greece. Research in the framework of the PhD thesis.
- 1998: Postdoctoral fellow at Laboratoire des Mediateurs Chimiques Station de Phytopharmacie, INRA, Versailles/France:
- 2001-2006: Special Scientific personnel in the Laboratory of Chemical Ecology and Natural Products, Institute of Biology of the National Center for Scientific Research "Demokritos",
- 2007- Researcher C', Institute of Biosciences and Applications of the National Center for Scientific Research "Demokritos" and head of the Laboratory of Chemical Ecology and Natural Products
- 2021- Research Director, Institute of Biosciences and Applications of the National Center for Scientific Research "Demokritos" and head of the Laboratory of Chemical Ecology and Natural Products

### *RESEARCH INTERESTS*

- i.** Chemical ecology: isolation and identification of biologically active compounds, relating to insect chemical communication and plant – insect interactions (pheromones, volatile compounds of plant origin etc.) that may be used in integrated pest management programs.
- ii.** Isolation and identification of secondary metabolites (mainly of plant origin) acting on insect physiology and/or behavior (behavior modifying agents - infochemicals). Laboratory and field evaluation of bioactivity of the isolated metabolites; study of their mode of action. Chemical synthesis of semiochemicals (infochemicals).
- iii.** Development of specialized dispensers for semiochemicals acting as attractants/repellants for insects and technologies for their application in pest control. Advanced semiochemical slow-release systems based on biodegradable (membranes, nanomaterials) and environmentally-friendly materials.
- iv.** Development of biocides of biological origin (Biological Control Agents. BCAs) and methods/technologies of application, aiming to incorporating them in integrated management methods for pest of agricultural and urban environment but also for pests of public health concern such as mosquitoes.
- v.** Biochemistry of insect olfactory receptors with emphasis on the localization and isolation of protein receptors for semiochemicals.
- vi.** Microorganisms and Biotechnology: Isolation of naturally occurring microorganisms and their biologically active secondary metabolites (toxins) aiming to their incorporation in insect population management.

### *EDUCATIONAL ACTIVITIES*

- Supervision and training of undergraduate students, postgraduate students and also post doctorate students from Greek and International Institutions during their formal collaboration with the Laboratory of Chemical Ecology and Natural Products of the NSCR “Demokritos”.

- Participation in the Interinstitutional Program of Postgraduate Studies: «Applied Biochemistry Clinical Chemistry and Biotechnology, evaluation of pharmaceutical plants» between of IBE and Department of Chemistry of University of Patras.
- Laboratory training of undergraduate students for the course “Cellular and Molecular Biology I” of the Department of Biology of the Aristotle University of Thessaloniki.
- Seminar under the title “Mycotoxins as tools for pest management” in the context of training seminars organized by the Institute of Biology of the NSRF “Demokritos”.
- M. Konstantopoulou, K. Koussis, P. Tsitoura, G. Kythreoti, A. Amaral, L. Swevers, V. Labropoulou, K. Iatrou (2012). Aromatic plants: sources for new natural insect repellents for control of infectious diseases. "Researcher's Night 2012", National Hellenic Research Foundation, 28 September 2012.
- M. Konstantopoulou, K. Koussis, P. Tsitoura, G. Kythreoti, A. Amaral, L. Swevers, V. Labropoulou, K. Iatrou (2013). Aromatic plants: sources for new natural insect repellents for control of infectious diseases. "Researcher's Night 2013", NSRF “Demokritos”, 27 September 2013.
- M. Konstantopoulou, K. Koussis, P. Tsitoura, G. Kythreoti, A. Amaral, L. Swevers, V. Labropoulou, K. Iatrou (2014). Aromatic plants: sources for new natural insect repellents for control of infectious diseases. "Researcher's Night 2014", NSRF “Demokritos”, 26 September 2014.
- Invited speaker: “Chemical Ecology and Natural Products -environmentally safe approaches”, in seminar entitled: “Introduction to ICT Vocational Guidance for Students Special and General Education” 22-23/02/2014, NSRF “D” Ag. Paraskevi Athens.
- Invited speaker: “Chemical ecology and infochemicals as tools for eco-friendly pest management methods” at the meeting entitled: Chemical ecology of parasitoids and applications in plant protection” organized by Benaki Phytopathological Institute, Agricultural University of Athens 20<sup>th</sup> March 2015.
- Invited speaker: “Chemical Ecology and Natural Products”, NSRF “Demokritos” Summer School 3-14 July 2017 Ag. Paraskevi Athens, July 13<sup>th</sup> 2017.
- Invited speaker: “Chemical Ecology and Natural Products”, NSRF “Demokritos” Summer School 2-13 July 2017 Ag. Paraskevi Athens, July 06<sup>th</sup> 2018.

- Invited speaker: “Exploitation of Aromatic plants and their extracts/essential oils against insects“ at the Workshop entitled: Cyprus Aroma, Medicinal and Aromatic Plants in Cyprus-Perspectives” organized by Cyprus University of Technology, Limassol, Cyprus, 26th September 2018.

### *RESEARCH PROJECTS*

I have participated in the following projects and attended in all project meetings in Greece and project partners’ countries and contributed in the respective scientific reports.

1996-1997: Value CTT-472: «Development of Slow Release Formulation for Behaviour Modifying Chemicals using Natural Supramolecular systems». European Union Project.

1997-1999: Pheromaize CT96-1302/FAIR3: «Application of pheromones and other semiochemicals for pest control in maize». European Union Project.

1998-1999: Leonardo Da Vinci Cont. No. Inc: 116/96: "Nuove Competenze Professionali Nella Lotta Biologica Integrata Assisita Dall’Elaboratore". European Union Project.

1999-2000: Corporate Project of Research and Technology in Agricultural Biotechnology: “Use of natural and genetically modified microorganisms in pest control”. Greek Ministry of Development.

1999-2000: Corporate Project of Research and Technology in Agricultural Biotechnology: “High-throughout screening system for detecting hormone agonists and antagonists in plant extracts and their use in IPM”. Greek Ministry of Development.

2001-2004 INCO: International Scientific Cooperation Projects (1998-2002), Contract number: ICA4-CT2001-10004, «Sustainable control of Lepidopterous pests in olive groves – integration of egg parasitoids and pheromones». European Union Project.

2004-2006 IAEA Res. Contr. 13020/RBF: «Olive fruit fly: improving the artificial larval medium; mating time incompatibility between wild and mass-reared strains».

- 2006-2008 JOINT RESEARCH AND TECHNOLOGY PROGRAMMES, 2005-2007, GSRT, Greece-Tunisia: «Survey of some local *Trichogramma* strains (*Hymenoptera*, *Trichogrammatidae*) behaviour toward synthetic pheromone components and male body extracts of *Prays oleae* Bern. (*Lepidoptera*, *Hyponomeutidae*) in the perspective of biological control of the pest».
- 2008-2012 FP7-HEALTH-2007-B, ENAROMaTIC: «European Network for Advanced Research on Olfaction for Malaria Transmitting Insect Control».
- 2011-2012 "Innovation Vouchers for Small and Medium Enterprises", Secretariat for Research and Technology (GSRT) of the Ministry for Education and Religion: "Research and development of innovative tools for palm pest management, *Rhyhophorous ferrugineus* (Coleoptera: Curculionidae)"
- 2011-2012 "Innovation Vouchers for Small and Medium Enterprises", Secretariat for Research and Technology (GSRT) of the Ministry for Education and Religion: "Development of ecological and innovative technologies for the population management of pine processionary moth, *Thaumetopoea pityocampa*, in urban and suburban environments".
- 2012-2015 "THALIS"- Strengthening of inter-scientific and inter-institutional research and innovation with possibility of attraction of high quality scientists from abroad through conduction of basic and applied research of excellence. Ministry for Education and Religion: "Genomic and functional approach to understand the resistance of insects and mites against insecticides and development of applications for its management".
- 2018-2022 HORIZON 2020, BIOTEC-06-20417, H2020-NMBP-2016-2017: OLEFINE "Oleaginous yeast platforms for Fine chemicals".
- 2020-2023 HORIZON 2020, Bio Based Industries Joint Undertaking, PHERA "Pheromones for Row crop Applications" (Subcontractor).
- 2018-2021 OPENSREEN-GR: An Open-Access Research Infrastructure of Target-Based Screening Technologies and Chemical Biology for Human and Animal Health, Agriculture and the Environment, NSRF 2014-2020.
- 2017-2021 SANITURA TARGET IDENTIFICATION AND DEVELOPMENT OF NOVEL APPROACHES FOR HEALTH AND ENVIRONMENTAL APPLICATIONS, NSRF 2014-2020, Start date: 1/11/2017

- 2017-2021 BIOIMAGING-GR A Greek Research Infrastructure for Visualizing and Monitoring Fundamental Biological Processes NSRF 2014-2020,
- 2022-2024 Opti new –AromaQ Identification of Medicinal/Aromatic Plants properties and improving quality, nutritive value and storability of fresh and dry products to support SME competitiveness, The Research and Innovation Foundation Programmes for Research, Technological Development and Innovation, CYPRUS.
- 2022-2027 HORIZON EUROPE, HORIZON-CL6-2021-FARM2FORK-01-15, FEAST (Food systems that support transitions to hEalthy And Sustainable dieTs), (Total budget 12 million€ and 36 partners).

#### *ORGANIZING MEETINGS*

Member of the organizing committee for the international 25th Anniversary Jubilee Meeting of the IOBC-WPRS Group «Use of Pheromones and Other Semiochemicals in Integrated Control»: Samos, Greece, September 25-29, 2000.

Member of the scientific committee of the 7th IOBC/wprs conference on Integrated Protection of Olive Crops, Kalamata, Greece, 11-14 May 2015.

Member of the preliminary organizing claims committee for the XXVI International Congress of Entomology (2016) to be held in Crete in 2020,

Member of the International Program Committee (IPC) for the 10<sup>th</sup> International Workshop on the “Molecular Biology and Genetics of the Lepidoptera”, Crete, Greece, August 19-25, 2018.

Member of the international claim committee for the XII European Entomological Congress 2023 held in Crete.

Member of organizing committee of XII European Entomological Congress 2023 held in Crete

#### *LANGUAGES*

English [fluent], French [poor]

*PROFESSIONAL MEMBERSHIPS*

Entomological Society of America

Panhellenic Union of Biologists

Hellenic Society of Biological Sciences

Entomological Society of Greece

*OTHER SCIENTIFIC ACTIVITIES*

- Reviewer of: *Chemosphere*  
*Journal of Agricultural and Food chemistry*  
*Pest Management Science*  
*Journal of Chromatography B*  
*PLoS ONE*  
*Entomologia Experimentalis et Applicata*  
*Journal of Pest Science*  
*Bulletin of Insectology*  
*Journal of Applied Entomology*  
*Crop Protection*  
*Insect Science*  
*Bulletin of Entomological Research*  
*Fruits*  
*Psyche: A Journal of Entomology*  
*Journal of Entomology and Nematology*  
*Entomologia Hellenica*  
*Agronomy for Sustainable Development*

*Journal of Entomology and Nematology*

*Journal of Chemistry*

*Journal of Medicinal Plant Research*

*Research in Veterinary science*

*African journal of agricultural research*

*Journal of essential oil bearing plants*

*Insects*

Topic Editor of Open Access Journal *Insects*

Review Editor for Chemical Ecology in *Frontiers in Ecology and Evolution*

Special Issue Editor of *Special Issue of Agronomy: "Medicinal and Aromatic Plants (MAPs): The Connection between Cultivation Practices and Biological Properties"*

Member of the committee for evaluation of candidates for TWAS (The Academy of Science for developing world) awards 2010 in the field of Agrobiotechnology.

#### *OTHER ACTIVITIES*

Union of Greek Researcher representative in National Council for Research and Innovation (NCRI)

Member of the Attica Region Research and Innovation Council (PSEK) 2017-2021.

Researcher and Specialist Functional Scientist representative in NCSR "Demokritos" Board of Directors.

President of the Scientific Advisory Board (ESI) of the Institute (06/2019-06/2020) and member (07/2020- now).

President of the Union of Greek Researcher

Reviewer of research proposals for General Secretary Research and Technology

Reviewer and member of the committee of proposals for the Research, Innovation and Excellence Call of the University of Thessaly PhD candidates' scholarships

Member of the committee for reasoned opinion of Institute of Biosciences & Applications researchers regarding the election of the Institute Director 2017.

Member of the committee for reasoned opinion of NCSR "Demokritos" researchers regarding the election of the Institute Director 2016.

Member of the Administrative and Personnel Management Committee of the Board of NCSR "Demokritos" 2011- 2016.

Member of the Cultural and Environmental Committee of the Board of NCSR "Demokritos" 2011-2016.

Member of the evaluation committee for recruitment of 17 external co-workers for the Institute of Informatics and Telecommunication in the framework of international projects funded by the European Commission, 2017.

Member of the evaluation committee for the open electronic tender to procurement, installation and full operation of one (1) Time of Flight Aerosol Chemical Speciation Monitors (ToF ACSM) at the Institute of Institute of Nuclear & Radiological Sciences & Technology, Energy & Safety of the NCSR "Demokritos", 2015.

Member of the evaluation committee for the open tender for "Supply, and installation a (1) two-language translation system for the NCSR conference center "Demokritos" of NCSR "D", 2014.

Member of the acceptance committee for the contract on the "Daily cleaning of the building facilities (laboratories) of the NCSR "D" ', 2014.

Member of the evaluation committee for recruitment of three external co-workers for the Institute of Nuclear and Particle Physics in the framework of an international project funded by the European Commission 2012.

Member of the evaluation committee for the open public tender, to award the most financially advantageous offer for the procurement of a customized Ultra High Vacuum Scanning Probe Microscope (SPM)," at the Institute for Advanced Materials, Physicochemical Processes, Nanotechnology & Microsystems of the NCSR "Demokritos" 2012.

Member of the acceptance committee for the contract on the «Supply of licensing of electromagnetic simulation software CST STUDIO SUITE» at the Institute for Informatics and Telecommunications of the NCSR “Demokritos” 2012.

Member of the evaluation committee for recruitment of two external co-workers for the Institute of Informatics and Telecommunication in the framework of an international project funded by the European Commission 2010.

Member of the committee for reasoned opinion of IB researchers regarding the election of the Institute Director 2010.

Member of the evaluation and examination Committee of the postgraduate students’ exams in IB 2010.

General Secretary of the Board of the Association of Greek Researchers (2012-2015)

President of the Board of the Association of Researchers of NCSR “Demokritos” (2011-

General Secretary of the Board of the Association of Researchers of NCSR “Demokritos” (2009-2011).

President of the Board of the Association of Postgraduate Students of NCSR “Demokritos” (1995-1996).

Member of the Education Board of NCSR “Demokritos (1994-1995).

Member of the Board of the Association of Postgraduate Students of NCSR “Demokritos” (1992-1994).

### *PATENTS*

Iatrou, K., Guerin P.M., Kröber, T. and **Konstantopoulou, M.** (2017). Methods, compounds and compositions for repelling insects and/or arachnids. USA Patent No. **9615585** (from PCT/EP2014/055170), 11/04/2017.

Iatrou, K., Guerin P.M., Kröber, T. and **Konstantopoulou, M.** (2018). Methods, compounds and compositions for repelling insects and/or arachnids. European Patent Publication No. **20160029643** (from PCT/EP2014/055170) filed 27/02/2017.

**EP Patent Application Serial No. 14712237.8 (UEINS1-0008EP)**

### AWARDS

Award from Athens Chamber of Commerce and Industry and Region of Attica for innovative activity at the level of scientific research and at the business level, 13/11/2018.

### PUBLICATIONS

#### Thesis

1997. Artificial rearing and biochemical changes on *Bactrocera (Dacus) oleae* (Gmel).  
*Adh strains: Quality, Nutrition.*

#### Scientific publications

1. **Konstantopoulou, M.A.**, A.P. Economopoulos and A.G. Manoukas, 1996. Olive fruit fly (Diptera: Tephritidae) ADH-allele selected under artificial rearing produced bigger flies than the other ADH alleles. *Journal of Economic Entomology* 89(6): 1387-1391.
2. **Konstantopoulou M.A.** and A.P. Economopoulos 1997. Flight away from emergence site of wild and artificially reared olive fruit flies: effect of incoming light direction and intensity. *Journal of Applied Entomology* 121: 517-520.
3. Hungerford, N., B.E. Mazomenos, **M. Konstantopoulou**, F. Krokos, G.E. Haniotakis, A. Hubener, M.T. Fletcher, C.J. Moore, J.J. De Voss, and W. Kitching 1998. Biogenesis of sex pheromones in the female olive-fly. *Chemical Communications* 8: 863-866.
4. **M. A. Konstantopoulou**, A. P. Economopoulos, and D. G. Raptopoulos, 1999. Artificial rearing antimicrobials as selecting factors of *Adh* alleles in *Bactrocera (Dacus) oleae* (Diptera: Tephritidae). *Journal of Economic Entomology* 92(3): 563-568.
5. Krokos F.D., **M A Konstantopoulou** and B.E Mazomenos 2001. Alkadienes and alkenes, sex pheromone components of the almond seed wasp *Eurytoma amygdali*. *Journal of Chemical Ecology* 27(11): 2169-2181.
6. **M A Konstantopoulou**, Krokos F.D., and B.E Mazomenos 2002. Chemical stimuli from corn plants affect host selection and oviposition behavior of *Sesamia*

- nonagrioides* (Lepidoptera: Noctuidae). *Journal of Economic Entomology* 95(6): 1289-1293.
7. R. Albajes, **M. Konstantopoulou**, O. Etchepare, M. Eizaguirre, B. Frérot, A. Sans, F. Krokos, A. Améline, B. Mazomenos, 2002. Mating disruption of the corn borer *Sesamia nonagrioides* (Lepidoptera: Noctuidae) using sprayable formulations of pheromone. *Crop Protection*. 21: 217-225.
  8. F. Krokos, A. Ameline, J. Bau, A. Sans, **M. Konstantopoulou**, B. Frerot, A. Guerrero, M. Eizaguirre, C. Malosse, O. Etchepare, R. Albajes, & B.E. Mazomenos, 2002. Comparative studies of female sex pheromone components and male response of the corn stalk borer *Sesamia nonagrioides* in three populations. *Journal of Chemical Ecology* 28(7): 1463-1472.
  9. M.T. Fletcher, B.E. Mazomenos, J.H. Georgakopoulos, **M.A. Konstantopoulou**, B.J. Wood, J. De Voss, and W. Kitching, 2002. Sex pheromone biosynthesis in the female olive fruit-fly. Double labelling from [<sup>18</sup>O<sub>2</sub>]-dioxygen into 1,7-dioxaspiro[5.5]undecane. *Chemical Communications* 12: 1302-1303.
  10. **Konstantopoulou M.** and D. Raptopoulos, 2003. Alcohol dehydrogenase allele frequencies in *Bactrocera oleae* (Dipt., Tephritidae): effect of ethanol addition in larval diet. *Journal of Applied Entomology* 127: 243-247.
  11. **M. A. Konstantopoulou**, Krokos F.D., and B.E. Mazomenos 2004. Chemical composition of corn leaf essential oils and their role in the oviposition behavior of *Sesamia nonagrioides* females. *Journal of Chemical Ecology* 30(11): 2243-2256.
  12. Brett D. Schwartz, Christopher S. P. McErlean, Mary T. Fletcher, Basilis E. Mazomenos, **Maria A. Konstantopoulou**, William Kitching, and James J. De Voss, 2005. Spiroacetal Biosynthesis: (±)-1,7-Dioxaspiro[5.5]undecane in *Bactrocera cacuminata* and *Bactrocera oleae* (Olive Fruit Fly). *Organic Letters* 7(6): 1173-1176.
  13. **Konstantopoulou M.** and B. Mazomenos, 2005. Evaluation of *Beauveria bassiana* and *B. brongniartii* strains and four wild-type fungal species against adults of *Bactrocera oleae* and *Ceratitis capitata*. *Biocontrol* 50: 293-305.
  14. Annette Herz, Sherif A. Hassan, Esmat Hegazi, Feeby N. Nasr, Ali A. Youssef, W. E. Khafagi, Essam Agamy, Mohieddine Ksantini, Taieb Jardak, Basilis E. Mazomenos, **Maria A. Konstantopoulou**, Laura Torres, Fátima Gonçalves, Albino Bento and José A. Pereira, 2005. Towards sustainable control of lepidopterous pests in olive cultivation. *Gesunde Pflanzen* 57: 117-128.

15. **Konstantopoulou M. A.**, D. G. Raptopoulos, N. G. Stavrakis and B. E. Mazomenos, 2005. Microflora Species and Their Volatile Compounds Affecting the Development of an Alcohol Dehydrogenase Homozygous Strain (*Adh-I*) of *Bactrocera (Dacus) oleae* (Diptera:Tephritidae). *Journal of Economic Entomology* 98(6): 1943-1949.
16. **Konstantopoulou M.**, H. Pratsinis, D. Kletsas and Mazomenos B., 2006. Pheromone binding protein and general odorant binding protein of *Sesamia nonagrioides* (Lepidoptera: Noctuidae): Sex and diel dependent expression. *Entomologia Experimentalis et Applicata* 119(2): 129-136.
17. **M. Konstantopoulou**, P. Milonas and B.E. Mazomenos, 2006. Partial Purification and Insecticidal Activity of Toxic Metabolites Secreted by a *Mucor hiemalis* Strain (SMU-21) against Adults of *Bactrocera oleae* and *Ceratitidis capitata* (Diptera: Tephritidae) *Journal of Economic Entomology* 99(5): 1657-1664.
18. E.M. Hegazi, **M. Konstantopoulou**, P. Milonas, A. Herz, W.E. Khafagi, A. Zaitun, S. Mostafa, I. Helal and S. El-Kemny, B.E. Mazomenos, 2006. Mating disruption of the jasmine moth *Palpita unionalis* (Lepidoptera: Pyralidae) using the two pheromone components blend: A case study over three consecutive olive growing seasons in Egypt. *Crop Protection* 26: 837-844.
19. Siskos E.P., **M.A. Konstantopoulou**, B.E. Mazomenos and M. Jervis, 2007. Insecticidal activity of *Citrus aurantium* fruit, leaf and shoot extracts against adult olive fruit flies (Diptera: Tephritidae). *Journal of Economic Entomology* 100(4): 1215-1220.
20. Siskos E.P., B.E. Mazomenos and **M.A. Konstantopoulou**, 2008. Isolation and Identification of insecticidal components from *Citrus aurantium* fruit peel extract. *Journal of Agricultural and Food Chemistry* 56(14): 5577-5581.
21. Hegazi E.M., **M.A. Konstantopoulou**, A. Herz, B.E. Mazomenos, W.E. Khafagi, E. Agamy, A. Zaitun, G.M. Abd El-Aziz, S. Showiel, S.M. Abdel-Rahman, 2009. Is mating disruption effective in controlling the olive moth, *Prays oleae*? *Crop Protection* 28: 181-189. DOI: 10.1016/j.cropro.2008.10.005
22. Siskos E.P., **M.A. Konstantopoulou** and B.E. Mazomenos, 2009. Insecticidal activity of *Citrus aurantium* peel extract against of *Bactrocera oleae* and *Ceratitidis capitata* adults (Diptera: Tephritidae). *Journal of Applied Entomology* 133: 108-116, doi: 10.1111/j.1439-0418.2008.01312.x.

23. Milonas P., B.E. Mazomenos, and **M. Konstantopoulou**, 2009. Kairomonal effect of sex pheromone components of two Lepidopteran olive pests on *Trichogramma* wasps. *Insect Science* 16: 131-136.
24. Hegazi, E., Khafagi, W. E., **Konstantopoulou, M.**, Raptopoulos, D., Tawfik, H., Abd El-Aziz, G. M., Abd El-Rahman, S. M., Atwa, A., Agamy, E., Showeil, S. 2009. Efficient Mass-Trapping Method as an Alternative Tactic for Suppressing Populations of the Leopard Moth, (Lepidoptera: Cossidae). *Annals of Entomological Society of America* 102(5): 809-818.
25. Milonas P. G., A.F. Martinou, D. Ch. Kontodimas, F. Karamaouna, and **M. A. Konstantopoulou**, 2009. Attraction of Different *Trichogramma* Species to Olive Moth Sex Pheromone. *Annals of Entomological Society of America* 102(6): 1145-1150.
26. Hegazi, E. M., W. E. Khafagi, **M. A Konstantopoulou**, D. Raptopoulos, S. Shweilb, S. Abd El-Rahman, A. Atwa , S.E. Ali and H. Tawfik, 2010. Suppression of Leopard Moth, *Zeuzera pyrina* L. (Lepidoptera: Cossidae) Populations in Olive Trees in Egypt Through Mating Disruption. *Journal of Economic Entomology*, 103(5): 1621-1627.
27. Milonas Panagiotis G., Dimitris, Ch. Kontodimas, Antonios Michaelakis, Dimitris G. Raptopoulos, **Maria A. Konstantopoulou**, 2010. Optimization of pheromone trapping method for click beetles, (*Agriotes* sp.) in Greece. *Phytoparasitica* 38: 429-434.
28. Hegazi M. Esmat, **Maria A. Konstantopoulou**, Annette Herz, Wedad E. Khafagi, Essam Agamy, Sania Showiel, Atwa Atwa, Gehan M., Abd El-Aziz and Safaa M. Abdel-Rahman, 2011. Seasonality in the occurrence of two lepidopterous olive pests in Egypt. *Insect Science* 18: 565-574.
29. Hegazi E., W. Khafagi, A. Herz, **M. Konstantopoulou**, S. Hassan, E. Agamy, G. Abd El-Aziz, S. Ali, S. Showeil, 2012. Dispersal and field progeny production of *Trichogramma* species released in olive orchard in Egypt. *Biocontrol* 57: 481-492.
30. Hegazi E.M., **M.A. Konstantopoulou**, W.E. Khafagi A. Herz, D.G. Raptopoulos , E. Agamy, G. Abd El-Aziz, S. E. Ali, S. Abdel-Rahman, 2012. The population trend of *Palpita unionalis* in different olive varieties in Egypt. *Phytoparasitica* 40:451-459.

31. Kimbaris A.C., G Koliopoulos, A. Michaelakis, and **M.A. Konstantopoulou**, 2012. Bioactivity of *Dianthus caryophyllus*, *Lepidium sativum*, *Pimpinella anisum*, and *Illicium verum* essential oils and their 6 major components against the West Nile vector *Culex pipiens*. *Parasitology Research* 111:2403-2410.
32. Hegazi E, Shlyter F., Khafagic W., and Atwad A., Agamy E, **Konstantopoulou M.** (2015). Population dynamics and economic losses caused by *Zeuzera pyrina*, a cryptic wood-borer moth, in an olive orchard, Egypt. *Agricultural and Forest Entomology* 17: 9-19.
33. Hegazi E, Schlyter F., Khafagi W., **Konstantopoulou M.**, Agamy E., Atwa A. and Gadelhak G. (2016). Interaction between the leopard moth borer and olive varieties: Associational Resistance at work. *International Research Journal of Agricultural Science and Soil Science* 6(1): 8-19.
34. Kikionis Stefanos, Efstathia Ioannou, **Maria Konstantopoulou**, Vassilios Roussis (2017). Electrospun micro/nanofibers as controlled release systems for pheromones of *Bactrocera oleae* and *Prays oleae*. *Journal of Chemical Ecology* 43: 254-262 (DOI 10.1007/s10886-017-0831-2).
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